**The Mixed Procedure**

### Model Information

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The Mixed Procedure

Convergence criteria met.

### Covariance Parameter Estimates

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### Solution for Fixed Effects

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| Intercept | 99.8518  | 1.9610         | 129| 50.92   | <.0001|
| visc    | -0.8551  | 0.6727         | 127| -1.27   | 0.2061|
## Solution for Random Effects

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### Solution for Random Effects

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|--------|-----------------------|----------|--------------|----|---------|------|---|
| visc   | 223635                | 1.7365   | 3.2774       | 233| 0.53    | 0.5967|
| Intercept | 224502              | -10.5019 | 7.9425       | 233| -1.32   | 0.1874|
| visc   | 224502                | 3.1200   | 3.4739       | 233| 0.90    | 0.3700|
| Intercept | 226640              | -4.2333  | 8.0815       | 233| -0.52   | 0.6009|
| visc   | 226640                | 0.1431   | 3.4661       | 233| 0.04    | 0.9671|
| Intercept | 229428              | 2.5477   | 8.0695       | 233| 0.32    | 0.7525|
| visc   | 229428                | -3.9634  | 3.4860       | 233| -1.14   | 0.2567|
| Intercept | 229733              | -23.1236 | 8.0754       | 233| -2.86   | 0.0046|
| visc   | 229733                | -1.5825  | 3.3804       | 233| -0.47   | 0.6401|
| Intercept | 232174              | 18.2360  | 8.3386       | 233| 2.19    | 0.0297|
| visc   | 232174                | 2.1556   | 3.8642       | 233| 0.56    | 0.5775|
| Intercept | 234053              | 24.3129  | 8.0558       | 233| 3.02    | 0.0028|
| visc   | 234053                | -1.4999  | 3.4836       | 233| 0.43    | 0.6672|
| Intercept | 234650              | 12.3188  | 8.0143       | 233| 1.54    | 0.1256|
| visc   | 234650                | 0.1804   | 3.4818       | 233| 0.05    | 0.9587|
| Intercept | 234795              | 21.4886  | 9.7041       | 233| 2.21    | 0.0278|
| visc   | 234795                | 2.3056   | 3.5407       | 233| 0.65    | 0.5156|
| Intercept | 235752              | 1.4559   | 8.2721       | 233| 0.18    | 0.8604|
| visc   | 235752                | 0.5475   | 3.5044       | 233| 0.16    | 0.8760|
| Intercept | 236202              | -6.5499  | 8.0695       | 233| -0.81   | 0.4178|
| visc   | 236202                | -2.0773  | 3.4323       | 233| -0.61   | 0.5456|
| Intercept | 237192              | -3.7821  | 8.1000       | 233| -0.47   | 0.6410|
| visc   | 237192                | 1.2850   | 3.4322       | 233| 0.37    | 0.7084|
| Intercept | 239960              | -20.6987 | 8.1370       | 233| -2.54   | 0.0116|
| visc   | 239960                | -1.6688  | 3.3732       | 233| -0.49   | 0.6213|
| Intercept | 241501              | 16.5069  | 8.2124       | 233| 2.01    | 0.0456|
| visc   | 241501                | 0.5914   | 3.1425       | 233| 0.19    | 0.8509|
| Intercept | 242715              | 3.5277   | 8.1482       | 233| 0.43    | 0.6655|
| visc   | 242715                | 0.8046   | 3.4256       | 233| 0.23    | 0.8145|
| Intercept | 243560              | -1.6101  | 8.1012       | 233| -0.20   | 0.8426|
| visc   | 243560                | 2.1378   | 3.4562       | 233| 0.62    | 0.5368|
| Intercept | 243738              | -14.7003 | 8.0592       | 233| -1.82   | 0.0694|
| visc   | 243738                | -1.1704  | 3.4833       | 233| -0.34   | 0.7372|
| Intercept | 244111              | 18.4773  | 8.1593       | 233| 2.26    | 0.0245|
| visc   | 244111                | -0.6456  | 3.3343       | 233| 0.19    | 0.8466|
## Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|-------|---|
| Intercept | 244831 | 12.0548 | 8.1678 | 233 | 1.48 | 0.1413 |
| visc | 244831 | 2.4964 | 3.4806 | 233 | 0.72 | 0.4740 |
| Intercept | 245990 | 22.9750 | 8.1117 | 233 | 2.83 | 0.0050 |
| visc | 245990 | 9.0587 | 3.2941 | 233 | 2.75 | 0.0064 |
| Intercept | 246620 | 7.3146 | 8.1832 | 233 | 0.89 | 0.3723 |
| visc | 246620 | 1.2637 | 3.4229 | 233 | 0.37 | 0.7123 |
| Intercept | 247880 | 20.9017 | 8.1612 | 233 | 2.56 | 0.0111 |
| visc | 247880 | -1.0985 | 3.3378 | 233 | -0.33 | 0.7424 |
| Intercept | 248712 | 13.8855 | 8.2001 | 233 | 2.83 | 0.0050 |
| visc | 248712 | 9.0587 | 3.2941 | 233 | 2.75 | 0.0064 |
| Intercept | 246620 | 7.3146 | 8.1832 | 233 | 0.89 | 0.3723 |
| visc | 246620 | 1.2637 | 3.4229 | 233 | 0.37 | 0.7123 |
| Intercept | 247880 | 20.9017 | 8.1612 | 233 | 2.56 | 0.0111 |
| visc | 247880 | -1.0985 | 3.3378 | 233 | -0.33 | 0.7424 |
| Intercept | 248712 | 13.8855 | 8.2001 | 233 | 2.83 | 0.0050 |
| visc | 248712 | 9.0587 | 3.2941 | 233 | 2.75 | 0.0064 |
| Intercept | 246620 | 7.3146 | 8.1832 | 233 | 0.89 | 0.3723 |
| visc | 246620 | 1.2637 | 3.4229 | 233 | 0.37 | 0.7123 |
| Intercept | 247880 | 20.9017 | 8.1612 | 233 | 2.56 | 0.0111 |
| visc | 247880 | -1.0985 | 3.3378 | 233 | -0.33 | 0.7424 |
| Intercept | 248712 | 13.8855 | 8.2001 | 233 | 2.83 | 0.0050 |
| visc | 248712 | 9.0587 | 3.2941 | 233 | 2.75 | 0.0064 |
| Intercept | 246620 | 7.3146 | 8.1832 | 233 | 0.89 | 0.3723 |
| visc | 246620 | 1.2637 | 3.4229 | 233 | 0.37 | 0.7123 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
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| visc   | 271662                 | -0.4796  | 4.3088  | 233     | -0.11   | 0.9115 |
| Intercept | 271664            | 15.3280  | 8.1629  | 233     | 1.88    | 0.0617 |
| visc   | 271684                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | 18.9258  | 7.9278  | 233     | 2.39    | 0.0178 |
| visc   | 273214                 | 0.000391 | 3.5427  | 233     | 0.00    | 0.9999 |
| Intercept | 273225            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509  | 233     | -0.75   | 0.4532 |
| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509  | 233     | -0.75   | 0.4532 |
| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509  | 233     | -0.75   | 0.4532 |
| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509  | 233     | -0.75   | 0.4532 |
| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509  | 233     | -0.75   | 0.4532 |
| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509  | 233     | -0.75   | 0.4532 |
| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
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| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509  | 233     | -0.75   | 0.4532 |
| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
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| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
| Intercept | 273214            | -25.8435 | 9.0021  | 233     | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509  | 233     | -0.75   | 0.4532 |
| Intercept | 277490            | -15.9012 | 8.1186  | 233     | -1.96   | 0.0514 |
| visc   | 273214                 | 0.1401   | 3.4130  | 233     | 0.04    | 0.9673 |
## Solution for Random Effects

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### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|------|----|
| visc   | 320182                 | -2.8654  | 3.4397  | 233     | -0.83   | 0.4057|
| Intercept | 320957             | 18.5730  | 8.0585  | 233     | 2.30    | 0.0221|
| visc   | 320957                 | 3.3264   | 3.4700  | 233     | 0.96    | 0.3387|
| Intercept | 321611             | 0        | 19.1291 | 233     | 0.00    | 1.0000|
| visc   | 321611                 | 0        | 4.4286  | 233     | 0.00    | 1.0000|
| Intercept | 323837             | 28.4015  | 8.1529  | 233     | 3.48    | 0.0006|
| visc   | 323837                 | -11.3558 | 8.0497  | 233     | -1.41   | 0.1597|
| Intercept | 325290             | 1.3248   | 3.4709  | 233     | 0.38    | 0.7030|
| Intercept | 327055             | -15.7985 | 8.0634  | 233     | -1.96   | 0.0513|
| visc   | 327055                 | 1.8930   | 8.0350  | 233     | 0.24    | 0.8140|
| Intercept | 327325             | 11.8450  | 8.1134  | 233     | 1.46    | 0.1457|
| visc   | 327325                 | 5.4414   | 3.4610  | 233     | 1.57    | 0.1173|
| Intercept | 327933             | -15.7985 | 8.0634  | 233     | -1.96   | 0.0513|
| visc   | 327933                 | 2.1601   | 3.4703  | 233     | 0.62    | 0.5343|
| Intercept | 331318             | 2.7174   | 8.0876  | 233     | 0.34    | 0.7372|
| visc   | 331318                 | 1.5695   | 3.4677  | 233     | 0.45    | 0.6513|
| Intercept | 333524             | -19.7928 | 8.0696  | 233     | -2.45   | 0.0149|
| visc   | 333524                 | -2.8167  | 3.4675  | 233     | -0.81   | 0.4174|
| Intercept | 334672             | -9.3318  | 8.1449  | 233     | -1.15   | 0.2531|
| visc   | 334672                 | -0.2781  | 3.3323  | 233     | -0.08   | 0.9336|
| Intercept | 336167             | 14.8738  | 7.9113  | 233     | 1.88    | 0.0613|
| visc   | 336167                 | 1.5025   | 3.6127  | 233     | 0.42    | 0.6779|
| Intercept | 336843             | -5.0848  | 8.0713  | 233     | -0.63   | 0.5293|
| visc   | 336843                 | 2.1019   | 3.4667  | 233     | 0.61    | 0.5449|
| Intercept | 337315             | 25.8868  | 8.0583  | 233     | 3.21    | 0.0015|
| visc   | 337315                 | 0.8288   | 3.4775  | 233     | 0.24    | 0.8118|
| Intercept | 342131             | 25.3350  | 8.0740  | 233     | 3.14    | 0.0019|
| visc   | 342131                 | -3.8521  | 3.4396  | 233     | -1.12   | 0.2639|
| Intercept | 343097             | -31.4949 | 8.0884  | 233     | -3.89   | 0.0001|
| visc   | 343097                 | -3.3096  | 3.4580  | 233     | -0.96   | 0.3395|
| Intercept | 343233             | 15.6678  | 8.0496  | 233     | 1.95    | 0.0528|
| visc   | 343233                 | 2.3635   | 3.5038  | 233     | 0.67    | 0.5006|
| Intercept | 354494             | -4.5916  | 8.9587  | 233     | -0.51   | 0.6088|
| visc   | 354494                 | 0.1748   | 3.4779  | 233     | 0.05    | 0.9600|
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
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| Intercept | 358230 | -14.4145 | 8.0950 | 233 | -1.78 | 0.0763 |
| visc | 358230 | -0.03356 | 3.4757 | 233 | -0.01 | 0.9923 |
| Intercept | 359308 | -5.0957 | 8.1997 | 233 | -0.62 | 0.5349 |
| visc | 359308 | -1.6555 | 3.9395 | 233 | -0.42 | 0.6747 |
| Intercept | 364664 | -13.4061 | 8.0684 | 233 | -1.66 | 0.0979 |
| visc | 364664 | -1.6177 | 3.4582 | 233 | -0.47 | 0.6404 |
| Intercept | 367836 | -34.1645 | 8.0160 | 233 | -4.26 | <.0001 |
| visc | 367836 | -2.7668 | 3.4778 | 233 | -0.80 | 0.4271 |
| Intercept | 368973 | -2.2896 | 8.1935 | 233 | 0.28 | 0.7802 |
| visc | 368973 | 1.6484 | 3.9467 | 233 | 0.42 | 0.6766 |
| Intercept | 369941 | 12.6535 | 8.4890 | 233 | 1.49 | 0.1374 |
| visc | 369941 | 1.3538 | 3.5256 | 233 | 0.38 | 0.7013 |
| Intercept | 370942 | 9.8806 | 8.1686 | 233 | 1.21 | 0.2277 |
| visc | 370942 | 2.4606 | 3.9652 | 233 | 0.62 | 0.5355 |
| Intercept | 371021 | 10.8710 | 8.0735 | 233 | 1.35 | 0.1794 |
| visc | 371021 | 0.2867 | 3.4648 | 233 | 0.08 | 0.9341 |
| Intercept | 374068 | 24.1489 | 8.0545 | 233 | 2.47 | 0.0144 |
| visc | 374068 | 0.4478 | 3.4446 | 233 | 0.13 | 0.8967 |
| Intercept | 374687 | 7.3244 | 8.0545 | 233 | 0.91 | 0.3641 |
| visc | 374687 | -1.4046 | 3.4945 | 233 | -0.40 | 0.6881 |
| Intercept | 376004 | -23.1848 | 8.0579 | 233 | -2.88 | 0.0044 |
| visc | 376004 | -1.9599 | 3.4785 | 233 | -0.56 | 0.5737 |
| Intercept | 376252 | -2.1936 | 8.0439 | 233 | -0.27 | 0.7853 |
| visc | 376252 | 2.9699 | 3.5057 | 233 | 0.85 | 0.3978 |
| Intercept | 380166 | 6.6885 | 8.0181 | 233 | 0.83 | 0.4050 |
| visc | 380166 | 2.1226 | 3.4966 | 233 | 0.61 | 0.5444 |
| Intercept | 380998 | -10.1333 | 8.0698 | 233 | -1.26 | 0.2105 |
| visc | 380998 | -4.8899 | 3.4617 | 233 | -1.41 | 0.1591 |
| Intercept | 383193 | -3.1909 | 8.0574 | 233 | -0.40 | 0.6925 |
| visc | 383193 | 0.6861 | 3.4608 | 233 | 0.20 | 0.8430 |
| Intercept | 383744 | -20.0394 | 8.1369 | 233 | -2.46 | 0.0145 |
| visc | 383744 | 1.0100 | 3.4234 | 233 | 0.30 | 0.7682 |
| Intercept | 385151 | 10.4512 | 8.1850 | 233 | 1.28 | 0.2029 |
| visc | 385151 | 2.1018 | 3.9476 | 233 | 0.53 | 0.5949 |
| Intercept | 386040 | -30.5801 | 8.1267 | 233 | -3.76 | 0.0002 |
The Mixed Procedure

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|----|---------|------|-----|
| visc   | 386040                | -6.0407  | 3.3891       | 233| -1.78   | 0.0760 |
| Intercept | 386488            | -8.7943  | 8.0799       | 233| -1.09   | 0.2775 |
| visc   | 386488                | -3.9075  | 3.4779       | 233| -1.12   | 0.2624 |
| Intercept | 386758            | 9.8192   | 8.1056       | 233| 1.21    | 0.2270 |
| visc   | 386758                | -0.7116  | 3.4273       | 233| -0.21   | 0.8357 |
| Intercept | 387658            | -12.2296 | 8.0984       | 233| -1.51   | 0.1324 |
| visc   | 387658                | 4.0702   | 3.4421       | 233| 1.18    | 0.2382 |
| Intercept | 392316            | -11.3545 | 8.0796       | 233| -1.41   | 0.1613 |
| visc   | 392316                | 1.4799   | 3.4498       | 233| 0.43    | 0.6683 |
| Intercept | 393936            | -18.6853 | 8.0766       | 233| -2.31   | 0.0216 |
| visc   | 393936                | 0.3369   | 3.4643       | 233| 0.10    | 0.9226 |
| Intercept | 394588            | -40.3634 | 8.1444       | 233| -4.96   | <.0001 |
| visc   | 394588                | -2.1937  | 3.9667       | 233| -0.55   | 0.5808 |
| Intercept | 397661            | -34.9027 | 8.0717       | 233| -4.32   | <.0001 |
| visc   | 397661                | -1.2971  | 3.4656       | 233| -0.37   | 0.7085 |
| Intercept | 397931            | -20.4450 | 9.7041       | 233| -2.11   | 0.0362 |
| visc   | 397931                | -1.2698  | 3.5407       | 233| -0.36   | 0.7202 |

Type 3 Tests of Fixed Effects

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The GLM Procedure

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Number of observations 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
**The GLM Procedure**

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**Dependent Variable: slope**

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| surice_ca  | 0.049592054  | 0.31285341     | 0.16    | 0.8744 |

**NOTE:** The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### The GLM Procedure

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### The GLM Procedure

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### The Mixed Procedure

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The Mixed Procedure

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BIC (smaller is better) 4322.0

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### Table: Solution for Random Procedure

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| Intercept| 200922                | 9.8709   | 7.9538   | 233| 1.24    | 0.2158|
| visc     | 200922                | 7.7120   | 3.5031   | 233| 2.20    | 0.0287|
| Intercept| 201800                | -21.5006 | 8.1266   | 233| -2.65   | 0.0087|
| visc     | 201800                | -3.7482  | 3.4580   | 233| -1.08   | 0.2795|
| Intercept| 201877                | -18.8041 | 8.0775   | 233| -3.33   | 0.0208|
| visc     | 201877                | -2.3821  | 3.4639   | 233| -0.69   | 0.4923|
| Intercept| 203328                | -1.8301  | 8.2349   | 233| -0.22   | 0.8243|
| visc     | 203328                | -0.7067  | 3.4168   | 233| -0.21   | 0.8363|
| Intercept| 204555                | -9.6016  | 8.0821   | 233| -1.19   | 0.2360|
| visc     | 204555                | 0.1819   | 3.4470   | 233| 0.05    | 0.9580|
| Intercept| 205758                | -11.9125 | 8.0769   | 233| -1.47   | 0.1416|
| visc     | 205758                | 0.4168   | 3.4282   | 233| 0.12    | 0.9033|
| Intercept| 206816                | 10.9525  | 8.0726   | 233| 1.36    | 0.1762|
| visc     | 206816                | 1.5533   | 3.4822   | 233| 0.45    | 0.6560|
| Intercept| 208280                | -2.2785  | 8.0860   | 233| -0.28   | 0.7784|
| visc     | 208280                | 2.6477   | 3.4703   | 233| 0.76    | 0.4463|
| Intercept| 208324                | 8.0864   | 8.0723   | 233| 1.00    | 0.3175|
| visc     | 208324                | 8.0064   | 3.4710   | 233| 2.31    | 0.0220|
| Intercept| 209281                | 21.0191  | 8.1145   | 233| 2.59    | 0.0102|
| visc     | 209281                | 0.1630   | 3.5007   | 233| 0.05    | 0.9629|
| Intercept| 213454                | 11.2299  | 8.1381   | 233| 1.38    | 0.1689|
| visc     | 213454                | 2.1166   | 3.4074   | 233| 0.62    | 0.5351|
| Intercept| 214376                | 11.7746  | 8.0938   | 233| 1.45    | 0.1471|
| visc     | 214376                | -1.8706  | 3.4834   | 233| -0.54   | 0.5918|
| Intercept| 215052                | 25.8528  | 8.5918   | 233| 3.01    | 0.0029|
| visc     | 215052                | 1.4588   | 3.3789   | 233| 0.43    | 0.6663|
| Intercept| 216086                | -22.0739 | 8.0995   | 233| -2.73   | 0.0069|
| visc     | 216086                | -4.8805  | 3.4800   | 233| -1.40   | 0.1621|
| Intercept| 220068                | -26.8827 | 8.1142   | 233| -3.31   | 0.0011|
| visc     | 220068                | -4.1805  | 3.4366   | 233| -1.22   | 0.2250|
| Intercept| 223343                | 11.8419  | 8.0914   | 233| 1.46    | 0.1447|
| visc     | 223343                | -3.6671  | 3.4287   | 233| -1.07   | 0.2859|
| Intercept| 223534                | 2.5869   | 8.2222   | 233| 0.31    | 0.7533|
| visc     | 223534                | -2.5712  | 3.9385   | 233| -0.65   | 0.5145|
| Intercept| 223635                | 29.4010  | 8.2412   | 233| 3.57    | 0.0004|
### Solution for Random Procedure Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t|
|--------|-----------------------|----------|--------------|-----|---------|------|
| visc   | 223635                | 1.7365   | 3.2774       | 233 | 0.53    | 0.5967 |
| Intercept | 224502            | -10.5019 | 7.9425       | 233 | -1.32   | 0.1874 |
| visc   | 224502                | 3.1200   | 3.4739       | 233 | 0.90    | 0.3700 |
| Intercept | 226640            | -4.2333  | 8.0815       | 233 | -0.52   | 0.6009 |
| visc   | 226640                | 0.1431   | 3.4661       | 233 | 0.04    | 0.9671 |
| Intercept | 229428            | 2.5477   | 8.0695       | 233 | 0.32    | 0.7525 |
| visc   | 229428                | -3.9634  | 3.4860       | 233 | -1.14   | 0.2567 |
| Intercept | 229733            | -23.1236 | 8.0754       | 233 | -2.86   | 0.0046 |
| visc   | 229733                | -1.5825  | 3.3804       | 233 | -0.47   | 0.6401 |
| Intercept | 232174            | 18.2360  | 8.3386       | 233 | 2.19    | 0.0297 |
| visc   | 232174                | 2.1556   | 3.8642       | 233 | 0.56    | 0.5775 |
| Intercept | 234053            | 24.3129  | 8.0558       | 233 | 3.02    | 0.0028 |
| visc   | 234053                | -1.4999  | 3.4836       | 233 | -0.43   | 0.6672 |
| Intercept | 234650            | 12.3188  | 8.0143       | 233 | 1.54    | 0.1256 |
| visc   | 234650                | 0.1804   | 3.4818       | 233 | 0.05    | 0.9587 |
| Intercept | 234795            | 21.4886  | 9.7041       | 233 | 2.21    | 0.0278 |
| visc   | 234795                | 2.3056   | 3.5407       | 233 | 0.65    | 0.5156 |
| Intercept | 235752            | 1.4559   | 8.2721       | 233 | 0.18    | 0.8604 |
| visc   | 235752                | 0.5475   | 3.5044       | 233 | 0.16    | 0.8760 |
| Intercept | 236202            | -6.5499  | 8.0695       | 233 | -0.81   | 0.4178 |
| visc   | 236202                | -2.0773  | 3.4323       | 233 | -0.61   | 0.5456 |
| Intercept | 237192            | -3.7821  | 8.1000       | 233 | -0.47   | 0.6410 |
| visc   | 237192                | 1.2850   | 3.4322       | 233 | 0.37    | 0.7084 |
| Intercept | 239960            | -20.6987 | 8.1370       | 233 | -2.54   | 0.0116 |
| visc   | 239960                | -1.6688  | 3.3732       | 233 | -0.49   | 0.6213 |
| Intercept | 241501            | 16.5069  | 8.2124       | 233 | 2.01    | 0.0456 |
| visc   | 241501                | 0.5914   | 3.1425       | 233 | 0.19    | 0.8509 |
| Intercept | 242715            | 3.5277   | 8.1482       | 233 | 0.43    | 0.6655 |
| visc   | 242715                | 0.8046   | 3.4256       | 233 | 0.23    | 0.8145 |
| Intercept | 243560            | -1.6101  | 8.1012       | 233 | -0.20   | 0.8426 |
| visc   | 243560                | 2.1378   | 3.4562       | 233 | 0.62    | 0.5368 |
| Intercept | 243738            | -14.7003 | 8.0592       | 233 | -1.82   | 0.0694 |
| visc   | 243738                | -1.1704  | 3.4833       | 233 | -0.34   | 0.7372 |
| Intercept | 244111            | 18.4773  | 8.1593       | 233 | 2.26    | 0.0245 |
| visc   | 244111                | -0.6456  | 3.3343       | 233 | -0.19   | 0.8466 |
# The Mixed Procedure

## Solution for Random Effects

| Effect   | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|----------|-----------------------|----------|--------------|-----|---------|------|---|
| Intercept| 244831                | 12.0548  | 8.1678       | 233 | 1.48    | 0.1413 |
| visc     | 244831                | 2.4964   | 3.4806       | 233 | 0.72    | 0.4740 |
| Intercept| 245990                | 22.9750  | 8.1117       | 233 | 2.83    | 0.0050 |
| visc     | 245990                | 9.0587   | 3.2941       | 233 | 2.75    | 0.0064 |
| Intercept| 246620                | 7.3146   | 8.1832       | 233 | 0.89    | 0.3723 |
| visc     | 246620                | 1.2637   | 3.4229       | 233 | 0.37    | 0.7123 |
| Intercept| 247880                | 20.9017  | 8.1612       | 233 | 2.56    | 0.0111 |
| visc     | 247880                | -1.0985  | 3.3378       | 233 | -0.33   | 0.7424 |
| Intercept| 248712                | 13.8855  | 8.2001       | 233 | 1.69    | 0.0917 |
| visc     | 248712                | -0.6944  | 3.4201       | 233 | -0.20   | 0.8393 |
| Intercept| 250286                | -20.9511 | 8.1647       | 233 | -2.57   | 0.0109 |
| visc     | 250286                | -1.0345  | 3.4354       | 233 | -0.30   | 0.7636 |
| Intercept| 255765                | 12.5276  | 8.0826       | 233 | 1.55    | 0.1225 |
| visc     | 255765                | 2.1923   | 3.4720       | 233 | 0.63    | 0.5284 |
| Intercept| 256171                | 21.5266  | 7.9345       | 233 | 2.71    | 0.0072 |
| visc     | 256171                | -0.1267  | 3.5389       | 233 | -0.04   | 0.9715 |
| Intercept| 258950                | -9.8355  | 11.1928      | 233 | -0.88   | 0.3805 |
| visc     | 258950                | 0        | 4.4286       | 233 | 0.00    | 1.0000 |
| Intercept| 259940                | 17.3165  | 11.1928      | 233 | 1.55    | 0.1232 |
| visc     | 259940                | 0        | 4.4286       | 233 | 0.00    | 1.0000 |
| Intercept| 263617                | 0.3051   | 8.1201       | 233 | 0.04    | 0.9701 |
| visc     | 263617                | 1.3769   | 3.4574       | 233 | 0.40    | 0.6908 |
| Intercept| 264225                | 36.2499  | 8.1059       | 233 | 4.47    | <.0001 |
| visc     | 264225                | -0.09531 | 3.4187       | 233 | -0.03   | 0.9778 |
| Intercept| 264348                | 19.8760  | 8.0494       | 233 | 2.47    | 0.0143 |
| visc     | 264348                | 0.6794   | 3.4767       | 233 | 0.20    | 0.8452 |
| Intercept| 265171                | 18.4988  | 8.1021       | 233 | 2.28    | 0.0233 |
| visc     | 265171                | 2.6773   | 3.4558       | 233 | 0.77    | 0.4393 |
| Intercept| 268455                | -32.8406 | 8.2004       | 233 | -4.00   | <.0001 |
| visc     | 268455                | -4.0286  | 3.4247       | 233 | -1.18   | 0.2407 |
| Intercept| 271043                | 7.0382   | 8.0479       | 233 | 0.87    | 0.3827 |
| visc     | 271043                | -0.7683  | 3.3200       | 233 | -0.23   | 0.8172 |
| Intercept| 271460                | -5.9326  | 8.0629       | 233 | -0.74   | 0.4626 |
| visc     | 271460                | -2.4111  | 3.4664       | 233 | -0.70   | 0.4874 |
| Intercept| 271662                | -3.7617  | 8.8992       | 233 | -0.42   | 0.6729 |
### The Mixed Procedure

#### Solution for Random Procedure Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|------|---|
| visc   | 271662                 | -0.4796  | 4.3088       | 233| -0.11   | 0.9115|
| Intercept| 271684              | 15.3280  | 8.1629       | 233| 1.88    | 0.0617|
| visc   | 271684                 | 0.1401   | 3.4130       | 233| 0.04    | 0.9673|
| Intercept| 273214              | 18.9258  | 7.9278       | 233| 2.39    | 0.0178|
| visc   | 273214                 | 0.000391 | 3.5427       | 233| 0.00    | 0.9999|
| Intercept| 273225              | -25.8435 | 9.0021       | 233| -2.87   | 0.0045|
| visc   | 273225                 | -2.5929  | 3.4509       | 233| -0.75   | 0.4532|
| Intercept| 277490              | -15.9012 | 8.1186       | 233| -1.96   | 0.0514|
| visc   | 277490                 | -0.3818  | 3.4258       | 233| -0.11   | 0.9114|
| Intercept| 281000              | 6.9506   | 8.0366       | 233| 0.86    | 0.3880|
| visc   | 281000                 | -0.6208  | 3.4801       | 233| -0.18   | 0.8586|
| Intercept| 281977              | 14.4575  | 8.1048       | 233| 1.78    | 0.0758|
| visc   | 281977                 | -1.0360  | 3.4517       | 233| -0.30   | 0.7643|
| Intercept| 283722              | 47.9924  | 8.0319       | 233| 5.98    | <.0001|
| visc   | 283722                 | -0.2924  | 3.4505       | 233| -0.08   | 0.9325|
| Intercept| 283935              | -29.6781 | 8.3021       | 233| -3.57   | 0.0004|
| visc   | 283935                 | -1.6659  | 3.8749       | 233| -0.43   | 0.6676|
| Intercept| 285601              | 30.3623  | 8.1266       | 233| 3.74    | 0.0002|
| visc   | 285601                 | -2.1085  | 3.4521       | 233| -0.61   | 0.5419|
| Intercept| 286095              | 19.1998  | 8.0833       | 233| 2.38    | 0.0183|
| visc   | 286095                 | 1.3486   | 3.4561       | 233| 0.39    | 0.6967|
| Intercept| 290336              | 18.7523  | 8.1987       | 233| 2.29    | 0.0231|
| visc   | 290336                 | 2.4173   | 3.4199       | 233| 0.71    | 0.4804|
| Intercept| 292362              | -9.1241  | 8.2722       | 233| -1.10   | 0.2712|
| visc   | 292362                 | -1.8884  | 3.3819       | 233| -0.56   | 0.5771|
| Intercept| 293317              | -27.0966 | 7.9906       | 233| -3.39   | 0.0008|
| visc   | 293317                 | -3.7393  | 3.4246       | 233| -1.09   | 0.2760|
| Intercept| 293598              | -31.9300 | 8.2472       | 233| -3.87   | 0.0001|
| visc   | 293598                 | -6.8431  | 3.2210       | 233| -2.12   | 0.0347|
| Intercept| 294105              | -13.3069 | 8.5759       | 233| -1.55   | 0.1221|
| visc   | 294105                 | 0.4249   | 3.4898       | 233| 0.12    | 0.9032|
| Intercept| 294511              | 5.5247   | 8.1421       | 233| 0.68    | 0.4981|
| visc   | 294511                 | -2.2343  | 3.4356       | 233| -0.65   | 0.5161|
| Intercept| 295106              | 2.3658   | 8.1079       | 233| 0.29    | 0.7707|
| visc   | 295106                 | 1.6415   | 3.3905       | 233| 0.48    | 0.6287|
### The Mixed Procedure

#### Solution for Random Procedure Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|----------------|---------|
| Intercept | 295940 | -11.0429 | 8.0303 | 233 | -1.38 | 0.1704 |
| Intercept | 295940 | -1.2493 | 3.4390 | 233 | -0.36 | 0.7167 |
| Intercept | 298515 | -16.6225 | 8.0492 | 233 | -2.07 | 0.0400 |
| Intercept | 298515 | -6.0768 | 3.4702 | 233 | -1.75 | 0.0812 |
| Intercept | 299663 | -17.6211 | 8.1477 | 233 | -2.16 | 0.0316 |
| Intercept | 299663 | -3.8204 | 3.3649 | 233 | -1.14 | 0.2574 |
| Intercept | 300641 | 6.7530 | 8.0520 | 233 | 0.84 | 0.4025 |
| Intercept | 300641 | 1.5445 | 3.4615 | 233 | 0.45 | 0.6559 |
| Intercept | 300696 | -3.2218 | 8.0883 | 233 | -0.40 | 0.6908 |
| Intercept | 300696 | 0.2205 | 3.4473 | 233 | 0.06 | 0.9491 |
| Intercept | 300911 | -8.5433 | 8.1830 | 233 | -1.04 | 0.2976 |
| Intercept | 300911 | -0.9976 | 3.9562 | 233 | -0.25 | 0.8011 |
| Intercept | 301157 | -15.3103 | 8.0656 | 233 | -1.90 | 0.0589 |
| Intercept | 301157 | 0.6296 | 3.4685 | 233 | 0.18 | 0.8561 |
| Intercept | 301372 | -1.1176 | 8.0461 | 233 | -0.14 | 0.8897 |
| Intercept | 301372 | -2.9140 | 3.4912 | 233 | -0.83 | 0.4047 |
| Intercept | 303868 | 8.2291 | 8.1087 | 233 | 1.01 | 0.3112 |
| Intercept | 303868 | 2.8688 | 3.4253 | 233 | 0.84 | 0.4031 |
| Intercept | 304860 | -10.4506 | 8.0485 | 233 | -1.30 | 0.1954 |
| Intercept | 304860 | -2.8796 | 3.4771 | 233 | -0.83 | 0.4084 |
| Intercept | 306546 | -12.7140 | 8.1159 | 233 | -1.57 | 0.1186 |
| Intercept | 306546 | 4.8926 | 3.4462 | 233 | 1.42 | 0.1570 |
| Intercept | 312317 | -3.3277 | 8.0421 | 233 | -0.41 | 0.6794 |
| Intercept | 312317 | -0.0577 | 3.4970 | 233 | -0.02 | 0.9868 |
| Intercept | 313195 | 1.8383 | 8.1056 | 233 | 0.23 | 0.8208 |
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| Intercept | 313307 | -16.9423 | 8.0713 | 233 | -2.10 | 0.0369 |
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| Intercept | 313893 | 8.2232 | 8.0725 | 233 | 1.02 | 0.3094 |
| Intercept | 313893 | 3.7648 | 3.4790 | 233 | 1.08 | 0.2803 |
| Intercept | 316110 | 7.2520 | 8.1923 | 233 | 0.89 | 0.3769 |
| Intercept | 316110 | 4.1490 | 3.9468 | 233 | 1.05 | 0.2942 |
| Intercept | 318562 | 16.0459 | 8.0678 | 233 | 1.99 | 0.0479 |
| Intercept | 318562 | -2.6328 | 3.5073 | 233 | -0.75 | 0.4536 |
| Intercept | 320182 | 4.3478 | 8.1155 | 233 | 0.54 | 0.5926 |
### Solution for Random Procedure Effects

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| Intercept | 359308 | -5.0957 | 8.1997 | 233 | -0.62 | 0.5349 |
| visc | 359308 | -1.6555 | 3.9395 | 233 | -0.42 | 0.6747 |
| Intercept | 364664 | -13.4061 | 8.0684 | 233 | -1.66 | 0.0979 |
| visc | 364664 | -1.6177 | 3.4582 | 233 | -0.47 | 0.6404 |
| Intercept | 367836 | -34.1645 | 8.0160 | 233 | -4.26 | <.0001 |
| visc | 367836 | -2.7668 | 3.4778 | 233 | -0.80 | 0.4271 |
| Intercept | 368973 | 2.2896 | 8.1935 | 233 | 0.28 | 0.7802 |
| visc | 368973 | 1.6484 | 3.9467 | 233 | 0.42 | 0.6766 |
| Intercept | 369941 | 12.6535 | 8.4890 | 233 | 1.49 | 0.1374 |
| visc | 369941 | 1.3538 | 3.5256 | 233 | 0.38 | 0.7013 |
| Intercept | 370942 | 9.8806 | 8.1686 | 233 | 1.21 | 0.2277 |
| visc | 370942 | 2.4606 | 3.9652 | 233 | 0.62 | 0.5355 |
| Intercept | 371021 | 10.8710 | 8.0735 | 233 | 1.35 | 0.1794 |
| visc | 371021 | 0.2867 | 3.4648 | 233 | 0.08 | 0.9341 |
| Intercept | 374068 | 24.1489 | 9.7907 | 233 | 2.47 | 0.0144 |
| visc | 374068 | 0.4478 | 3.4446 | 233 | 0.13 | 0.8967 |
| Intercept | 374687 | 7.3244 | 8.0545 | 233 | 0.91 | 0.3641 |
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| Intercept | 376004 | -23.1848 | 8.0579 | 233 | -2.88 | 0.0044 |
| visc | 376004 | -1.9599 | 3.4785 | 233 | -0.56 | 0.5737 |
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| visc | 383193 | 0.6861 | 3.4608 | 233 | 0.20 | 0.8430 |
| Intercept | 383744 | -20.0394 | 8.1369 | 233 | -2.46 | 0.0145 |
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| Intercept | 385151 | 10.4512 | 8.1850 | 233 | 1.28 | 0.2029 |
| visc | 385151 | 2.1018 | 3.9476 | 233 | 0.53 | 0.5949 |
| Intercept | 386040 | -30.5801 | 8.1267 | 233 | -3.76 | 0.0002 |
### Solution for Random Effects

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**Number of observations**: 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
### The GLM Procedure

**Dependent Variable: slope**

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| lrbf           |    | 4.028763738 | 2.37829914 | 1.69  | 0.0936  |
| bmi_c          |    | -0.011091930 | 0.05651580 | -0.20  | 0.8448  |
| lmrrcvs        |    | -3.041268585 | 0.73599079 | -4.13  | <.0001  |
| urine24_c      |    | 0.002281848 | 0.00388382 | 0.59  | 0.5583  |
| esode_cc       |    | 0.527178321 | 0.67102877 | 0.79  | 0.4341  |
### The GLM Procedure

**Dependent Variable: slope**

| Parameter   | Estimate   | Standard Error | t Value | Pr > |t| |
|-------------|------------|----------------|---------|------|---|
| lpldle_ca   | -0.012204050 | 0.00752523     | -1.62  | 0.1082 |
| lphdle_ca   | 0.007219986  | 0.02597823     | 0.28   | 0.7817 |
| surice_ca   | 0.042436923  | 0.31661776     | 0.13   | 0.8937 |

NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### The GLM Procedure

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* Observation was not used in this analysis

| Sum of Residuals | -0.0000000 |
| Sum of Squared Residuals | 542.9077272 |
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| First Order Autocorrelation | 0.1298111 |
| Durbin-Watson D | 1.6587717 |
### The Mixed Procedure

#### Model Information

| Model Information       |       |
|-------------------------|--|---|
| Data Set                | WORK.PERSON |
| Dependent Variable      | cic |
| Covariance Structure    | Variance Components |
| Subject Effect          | pkdid |
| Estimation Method       | ML |
| Residual Variance Method| Profile |
| Fixed Effects SE Method  | Model-Based |
| Degrees of Freedom Method| Containment |

#### Class Level Information

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#### Dimensions

- **Covariance Parameters**: 3
- **Columns in X**: 2
- **Columns in Z Per Subject**: 2
- **Subjects**: 131
- **Max Obs Per Subject**: 4
- **Observations Used**: 491
- **Observations Not Used**: 33
- **Total Observations**: 524

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The Mixed Procedure

Convergence criteria met.

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### The Mixed Procedure

#### Solution for Random Effects

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| visc | 200922 | 7.7120 | 3.5031 | 233 | 2.20 | 0.0287 |
| Intercept | 201800 | -21.5006 | 8.1266 | 233 | -2.65 | 0.0087 |
| visc | 201800 | -3.7482 | 3.4580 | 233 | -1.08 | 0.2795 |
| Intercept | 201877 | -18.8041 | 8.0775 | 233 | -2.33 | 0.0208 |
| visc | 201877 | -2.3821 | 3.4639 | 233 | -0.69 | 0.4923 |
| Intercept | 203328 | -1.8301 | 8.2349 | 233 | -0.22 | 0.8243 |
| visc | 203328 | -0.7067 | 3.4168 | 233 | -0.21 | 0.8363 |
| Intercept | 204555 | -9.6016 | 8.0821 | 233 | -1.19 | 0.2360 |
| visc | 204555 | 0.1819 | 3.4470 | 233 | 0.05 | 0.9580 |
| Intercept | 205758 | -11.9125 | 8.0769 | 233 | -1.47 | 0.1416 |
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| visc | 208280 | 2.6477 | 3.4703 | 233 | 0.76 | 0.4463 |
| Intercept | 208324 | 8.0864 | 8.0726 | 233 | 1.00 | 0.3175 |
| visc | 208324 | 8.0064 | 3.4710 | 233 | 2.31 | 0.0220 |
| Intercept | 209281 | 21.0191 | 8.1145 | 233 | 2.59 | 0.0102 |
| visc | 209281 | 0.1630 | 3.5007 | 233 | 0.05 | 0.9629 |
| Intercept | 213454 | 11.2299 | 8.1381 | 233 | 1.38 | 0.1689 |
| visc | 213454 | 2.1166 | 3.4074 | 233 | 0.62 | 0.5351 |
| Intercept | 214376 | 11.7746 | 8.0938 | 233 | 1.45 | 0.1471 |
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| Intercept | 215052 | 25.8528 | 8.5918 | 233 | 3.01 | 0.0029 |
| visc | 215052 | 1.4588 | 3.3789 | 233 | 0.43 | 0.6663 |
| Intercept | 216086 | -22.0739 | 8.0995 | 233 | -2.73 | 0.0069 |
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| Intercept | 220068 | -26.8827 | 8.1142 | 233 | -3.31 | 0.0011 |
| visc | 220068 | -4.1805 | 3.4366 | 233 | -1.22 | 0.2250 |
| Intercept | 223343 | 11.8419 | 8.0914 | 233 | 1.46 | 0.1447 |
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| Intercept | 223534 | 2.5869 | 8.2222 | 233 | 0.31 | 0.7533 |
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### The Mixed Procedure

#### Solution for Random Effects

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### The Mixed Procedure

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### The Mixed Procedure

#### Solution for Random Procedure Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
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| visc   | 271662                 | -0.4796  | 4.3088       | 233 | -0.11   | 0.9115 |
| Intercept | 271684              | 15.3280  | 8.1629       | 233 | 1.88    | 0.0617 |
| visc   | 271684                 | 0.1401   | 3.4130       | 233 | 0.04    | 0.9673 |
| Intercept | 273214              | 18.9258  | 7.9278       | 233 | 2.39    | 0.0178 |
| visc   | 273214                 | 0.000391 | 3.5427       | 233 | 0.00    | 0.9999 |
| Intercept | 273225              | -25.8435 | 9.0021       | 233 | -2.87   | 0.0045 |
| visc   | 273225                 | -2.5929  | 3.4509       | 233 | -0.75   | 0.4532 |
| Intercept | 277490              | -15.9012 | 8.1186       | 233 | -1.96   | 0.0514 |
| visc   | 277490                 | -0.3818  | 3.4258       | 233 | -0.11   | 0.9114 |
| Intercept | 281000              | 6.9506   | 8.0366       | 233 | 0.86    | 0.3880 |
| visc   | 281000                 | -0.6208  | 3.4801       | 233 | -0.18   | 0.8586 |
| Intercept | 281977              | 14.4575  | 8.1048       | 233 | 1.78    | 0.0758 |
| visc   | 281977                 | -1.0360  | 3.4517       | 233 | -0.30   | 0.7643 |
| Intercept | 283722              | 47.9924  | 8.0319       | 233 | 5.98    | <.0001 |
| visc   | 283722                 | -0.2924  | 3.4505       | 233 | -0.08   | 0.9325 |
| Intercept | 283935              | -29.6781 | 8.3021       | 233 | -3.57   | 0.0004 |
| visc   | 283935                 | -1.6659  | 3.8749       | 233 | -0.43   | 0.6676 |
| Intercept | 285601              | 30.3623  | 8.1266       | 233 | 3.74    | 0.0002 |
| visc   | 285601                 | -2.1085  | 3.4521       | 233 | -0.61   | 0.5419 |
| Intercept | 286095              | 19.1998  | 8.0833       | 233 | 2.38    | 0.0183 |
| visc   | 286095                 | 1.3486   | 3.4561       | 233 | 0.39    | 0.6967 |
| Intercept | 290336              | 18.7523  | 8.1987       | 233 | 2.29    | 0.0231 |
| visc   | 290336                 | 2.4173   | 3.4199       | 233 | 0.71    | 0.4804 |
| Intercept | 292362              | -9.1241  | 8.2722       | 233 | -1.10   | 0.2712 |
| visc   | 292362                 | -1.8884  | 3.3819       | 233 | -0.56   | 0.5771 |
| Intercept | 293317              | -27.0966 | 7.9906       | 233 | -3.39   | 0.0008 |
| visc   | 293317                 | -3.7393  | 3.4246       | 233 | -1.09   | 0.2760 |
| Intercept | 293598              | -31.9300 | 8.2472       | 233 | -3.87   | 0.0001 |
| visc   | 293598                 | -6.8431  | 3.2210       | 233 | -2.12   | 0.0347 |
| Intercept | 294105              | -13.3069 | 8.5759       | 233 | -1.55   | 0.1221 |
| visc   | 294105                 | 0.4249   | 3.4898       | 233 | 0.12    | 0.9032 |
| Intercept | 294511              | 5.5247   | 8.1421       | 233 | 0.68    | 0.4981 |
| visc   | 294511                 | -2.2343  | 3.4356       | 233 | -0.65   | 0.5161 |
| Intercept | 295106              | 2.3658   | 8.1079       | 233 | 0.29    | 0.7707 |
| visc   | 295106                 | 1.6415   | 3.3905       | 233 | 0.48    | 0.6287 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect  | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|---------|------------------------|----------|--------------|-----|---------|------|---|
| Intercept | 295940                 | -11.0429 | 8.0303       | 233 | -1.38   | 0.1704 |
| visc     | 295940                 | -1.2493  | 3.4390       | 233 | -0.36   | 0.7167 |
| Intercept | 298515                 | -16.6225 | 8.0492       | 233 | -2.07   | 0.0400 |
| visc     | 298515                 | -6.0768  | 3.4702       | 233 | -1.75   | 0.0812 |
| Intercept | 299663                 | -17.6211 | 8.1477       | 233 | -2.16   | 0.0316 |
| visc     | 299663                 | -3.8204  | 3.3649       | 233 | -1.14   | 0.2574 |
| Intercept | 300641                 | 6.7530   | 8.0520       | 233 | 0.84    | 0.4025 |
| visc     | 300641                 | 1.5445   | 3.4615       | 233 | 0.45    | 0.6559 |
| Intercept | 300696                 | -3.2218  | 8.0883       | 233 | -0.40   | 0.6908 |
| visc     | 300696                 | 0.2205   | 3.4473       | 233 | 0.06    | 0.9491 |
| Intercept | 301157                 | -15.3103 | 8.0656       | 233 | -1.90   | 0.0589 |
| visc     | 301157                 | 0.6296   | 3.4685       | 233 | 0.18    | 0.8561 |
| Intercept | 301372                 | -1.1176  | 8.0461       | 233 | -0.14   | 0.8897 |
| visc     | 301372                 | -2.9140  | 3.4912       | 233 | -0.83   | 0.4047 |
| Intercept | 303868                 | 8.2291   | 8.1087       | 233 | 1.01    | 0.3112 |
| visc     | 303868                 | 2.8688   | 3.4253       | 233 | 0.84    | 0.4031 |
| Intercept | 304860                 | -10.4506 | 8.0485       | 233 | -1.30   | 0.1954 |
| visc     | 304860                 | -2.8796  | 3.4771       | 233 | -0.83   | 0.4084 |
| Intercept | 306546                 | -12.740  | 8.1159       | 233 | -1.57   | 0.1186 |
| visc     | 306546                 | 4.8926   | 3.4462       | 233 | 1.42    | 0.1570 |
| Intercept | 312317                 | -3.3277  | 8.0421       | 233 | -0.41   | 0.6794 |
| visc     | 312317                 | -0.05770 | 3.4970       | 233 | -0.02   | 0.9868 |
| Intercept | 313195                 | 1.8383   | 8.1056       | 233 | 0.23    | 0.8208 |
| visc     | 313195                 | -1.1975  | 3.4273       | 233 | -0.35   | 0.7271 |
| Intercept | 313307                 | -16.9423 | 8.0713       | 233 | -2.10   | 0.0369 |
| visc     | 313307                 | 0.1928   | 3.4667       | 233 | 0.06    | 0.9557 |
| Intercept | 313893                 | 8.2232   | 8.0725       | 233 | 1.02    | 0.3094 |
| visc     | 313893                 | 3.7648   | 3.4790       | 233 | 1.08    | 0.2803 |
| Intercept | 316110                 | 7.2520   | 8.1923       | 233 | 0.89    | 0.3769 |
| visc     | 316110                 | 4.1490   | 3.9468       | 233 | 1.05    | 0.2942 |
| Intercept | 318562                 | 16.0459  | 8.0678       | 233 | 1.99    | 0.0479 |
| visc     | 318562                 | -2.6328  | 3.5073       | 233 | -0.75   | 0.4536 |
| Intercept | 320182                 | 4.3478   | 8.1155       | 233 | 0.54    | 0.5926 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|----|---------|------|---|
| visc   | 320182                | -2.8654  | 3.4397       | 233| -0.83   | 0.4057|
| Intercept | 320957           | 18.5730  | 8.0585       | 233| 2.30    | 0.0221|
| visc   | 320957                | 3.3264   | 3.4700       | 233| 0.96    | 0.3387|
| Intercept | 321611           | 0        | 19.1291      | 233| 0.00    | 1.0000|
| visc   | 321611                | 0        | 4.4286       | 233| 0.00    | 1.0000|
| Intercept | 323837           | 28.4015  | 8.1533       | 233| 3.48    | 0.0006|
| visc   | 323837                | 4.1128   | 3.4288       | 233| 1.20    | 0.2316|
| Intercept | 325290           | -11.3558 | 8.0497       | 233| -1.41   | 0.1597|
| visc   | 325290                | 1.3248   | 3.4709       | 233| 0.38    | 0.7030|
| Intercept | 327055           | 1.8930   | 8.0350       | 233| 0.24    | 0.8140|
| visc   | 327055                | 4.9370   | 3.5001       | 233| 1.41    | 0.1597|
| Intercept | 327325           | 11.8450  | 8.1134       | 233| 1.46    | 0.1457|
| visc   | 327325                | 5.4414   | 3.4610       | 233| 1.57    | 0.1173|
| Intercept | 327933           | -15.7985 | 8.0634       | 233| -1.96   | 0.0513|
| visc   | 327933                | 2.1601   | 3.4703       | 233| 0.62    | 0.5343|
| Intercept | 331318           | 2.7174   | 8.0876       | 233| 0.34    | 0.7372|
| visc   | 331318                | 1.5695   | 3.4677       | 233| 0.45    | 0.6513|
| Intercept | 333524           | -19.7928 | 8.0696       | 233| -2.45   | 0.0149|
| visc   | 333524                | -2.8167  | 3.4675       | 233| -0.81   | 0.4174|
| Intercept | 334672           | -9.3318  | 8.1449       | 233| -1.15   | 0.2531|
| visc   | 334672                | -0.2781  | 3.3323       | 233| -0.08   | 0.9336|
| Intercept | 336167           | 14.8738  | 7.9113       | 233| 1.88    | 0.0613|
| visc   | 336167                | 1.5025   | 3.6127       | 233| 0.42    | 0.6779|
| Intercept | 336843           | -5.0848  | 8.0713       | 233| -0.63   | 0.5293|
| visc   | 336843                | 2.1019   | 3.4667       | 233| 0.61    | 0.5449|
| Intercept | 337315           | 25.8868  | 8.0583       | 233| 3.21    | 0.0015|
| visc   | 337315                | 0.8288   | 3.4775       | 233| 0.24    | 0.8118|
| Intercept | 342131           | 25.3350  | 8.0740       | 233| 3.14    | 0.0019|
| visc   | 342131                | -3.8521  | 3.4396       | 233| -1.12   | 0.2639|
| Intercept | 343097           | -31.4949 | 8.0884       | 233| -3.89   | 0.0001|
| visc   | 343097                | -3.3096  | 3.4580       | 233| -0.96   | 0.3395|
| Intercept | 343233           | 15.6678  | 8.0496       | 233| 1.95    | 0.0528|
| visc   | 343233                | 2.3635   | 3.5038       | 233| 0.67    | 0.5006|
| Intercept | 354494           | -4.5916  | 8.9587       | 233| -0.51   | 0.6088|
| visc   | 354494                | 0.1748   | 3.4779       | 233| 0.05    | 0.9600|
**The Mixed Procedure**

**Solution for Random Procedure Effects**

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|-----|---------|------|---|
| Intercept | 358230 | -14.4145 | 8.0950 | 233 | -1.78 | 0.0763 |
| visc | 358230 | -0.03356 | 3.4757 | 233 | -0.01 | 0.9923 |
| Intercept | 359308 | -5.0957 | 8.1997 | 233 | -0.62 | 0.5349 |
| visc | 359308 | -1.6555 | 3.9395 | 233 | -0.42 | 0.6747 |
| Intercept | 364664 | -13.4061 | 8.0684 | 233 | -1.66 | 0.0979 |
| visc | 364664 | -1.6177 | 3.4582 | 233 | -0.47 | 0.6404 |
| Intercept | 367836 | -34.1645 | 8.0160 | 233 | -4.26 | <.0001 |
| visc | 367836 | -2.7668 | 3.4778 | 233 | -0.80 | 0.4271 |
| Intercept | 368973 | 2.2896 | 8.1935 | 233 | 0.28 | 0.7802 |
| visc | 368973 | 1.6484 | 3.9467 | 233 | 0.42 | 0.6766 |
| Intercept | 369941 | 12.6535 | 8.4890 | 233 | 1.49 | 0.1374 |
| visc | 369941 | 1.3538 | 3.5256 | 233 | 0.38 | 0.7013 |
| Intercept | 370942 | 9.8806 | 8.1686 | 233 | 1.21 | 0.2277 |
| visc | 370942 | 2.4606 | 3.9652 | 233 | 0.62 | 0.5355 |
| Intercept | 371021 | 10.8710 | 8.0735 | 233 | 1.35 | 0.1794 |
| visc | 371021 | 0.2867 | 3.4648 | 233 | 0.08 | 0.9341 |
| Intercept | 374068 | 24.1489 | 8.0950 | 233 | 2.47 | 0.0144 |
| visc | 374068 | 0.4478 | 3.4446 | 233 | 0.13 | 0.8967 |
| Intercept | 374687 | 7.3244 | 8.0545 | 233 | 0.91 | 0.3641 |
| visc | 374687 | -1.4046 | 3.4945 | 233 | -0.40 | 0.6881 |
| Intercept | 376004 | -23.1848 | 8.0579 | 233 | -2.88 | 0.0044 |
| visc | 376004 | -1.9599 | 3.4785 | 233 | -0.56 | 0.5737 |
| Intercept | 376252 | -2.1936 | 8.0439 | 233 | -0.27 | 0.7853 |
| visc | 376252 | 2.9699 | 3.5057 | 233 | 0.85 | 0.3978 |
| Intercept | 380166 | 6.6885 | 8.0181 | 233 | 0.83 | 0.4050 |
| visc | 380166 | 2.1226 | 3.4966 | 233 | 0.61 | 0.5444 |
| Intercept | 380998 | -10.1333 | 8.0698 | 233 | -1.26 | 0.2105 |
| visc | 380998 | -4.8899 | 3.4617 | 233 | -1.41 | 0.1591 |
| Intercept | 383193 | -3.1909 | 8.0574 | 233 | -0.40 | 0.6925 |
| visc | 383193 | 0.6861 | 3.4608 | 233 | 0.20 | 0.8430 |
| Intercept | 383744 | -20.0394 | 8.1369 | 233 | -2.46 | 0.0145 |
| visc | 383744 | 1.0100 | 3.4234 | 233 | 0.30 | 0.7682 |
| Intercept | 385151 | 10.4512 | 8.1850 | 233 | 1.28 | 0.2029 |
| visc | 385151 | 2.1018 | 3.9476 | 233 | 0.53 | 0.5949 |
| Intercept | 386040 | -30.5801 | 8.1267 | 233 | -3.76 | 0.0002 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|--------|
| visc   | 386040                 | -6.0407  | 3.3891       | 233| -1.78   | 0.0760 |
| Intercept | 386488               | -8.7943  | 8.0799       | 233| -1.09   | 0.2775 |
| visc   | 386488                 | -3.9075  | 3.4779       | 233| -1.12   | 0.2624 |
| Intercept | 386758               | 9.8192   | 8.1056       | 233| 1.21    | 0.2270 |
| visc   | 386758                 | -0.7116  | 3.4273       | 233| -0.21   | 0.8357 |
| Intercept | 387568                | -12.2296 | 8.0984       | 233| -1.51   | 0.1324 |
| visc   | 387658                 | 4.0702   | 3.4421       | 233| 1.18    | 0.2382 |
| Intercept | 392316                | -11.3545 | 8.0796       | 233| -1.41   | 0.1613 |
| visc   | 392316                 | 1.4799   | 3.4498       | 233| 0.43    | 0.6683 |
| Intercept | 393936                | -18.6853 | 8.0766       | 233| -2.31   | 0.0216 |
| visc   | 393936                 | 0.3369   | 3.4643       | 233| 0.10    | 0.9226 |
| Intercept | 394588                | -40.3634 | 8.1444       | 233| -4.96   | <.0001 |
| visc   | 394588                 | -2.1937  | 3.9667       | 233| -0.55   | 0.5808 |
| Intercept | 397661                | -34.9027 | 8.0717       | 233| -4.32   | <.0001 |
| visc   | 397661                 | -1.2971  | 3.4656       | 233| -0.37   | 0.7085 |
| Intercept | 397931                | -20.4450 | 9.7041       | 233| -2.11   | 0.0362 |
| visc   | 397931                 | -1.2698  | 3.5407       | 233| -0.36   | 0.7202 |

### Type 3 Tests of Fixed Effects

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## The MEANS Procedure

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The GLM Procedure

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Number of observations 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
### The GLM Procedure

**Dependent Variable: slope**

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| sex Female | 0.026285508 | B | 0.77865958 | 0.03 | 0.9731 |
| sex Male | 0.000000000 | B | . | . | . |
| hdyn N | -0.203721748 | B | 0.60731018 | -0.34 | 0.7380 |
| hdyn Y | 0.000000000 | B | . | . | . |
| age | 0.025201295 | B | 0.03438341 | 0.73 | 0.4654 |
| lrbf | 3.276386588 | B | 2.44907267 | 1.34 | 0.1842 |
| bmi_c | -0.040023241 | B | 0.05695086 | -0.70 | 0.4839 |
| mrcpts | -0.079328547 | B | 0.01951199 | -4.07 | <.0001 |
| urine24_c | -0.000022540 | B | 0.00391339 | 0.09 | 0.9315 |
| esode_cc | 0.002646497 | B | 0.00391339 | 0.68 | 0.5005 |
| lalbe_ca | 0.225293718 | B | 0.64737239 | 0.35 | 0.7286 |
### The GLM Procedure

**Dependent Variable: slope**

| Parameter | Estimate   | Standard Error | t Value | Pr > |t| |
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| lpldle_ca | -0.011248949 | 0.00753290     | -1.49   | 0.1387 |
| lphdle_ca | 0.001703319   | 0.02622655     | 0.06    | 0.9484 |
| surice_ca | -0.004185311  | 0.31743775     | -0.01   | 0.9895 |

**NOTE:** The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### The GLM Procedure

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### The GLM Procedure

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* * Observation was not used in this analysis *

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The Mixed Procedure

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Dimensions

| Covariance Parameters | 3 |
| Columns in X | 2 |
| Columns in Z Per Subject | 2 |
| Subjects | 131 |
| Max Obs Per Subject | 4 |
| Observations Used | 495 |
| Observations Not Used | 29 |
| Total Observations | 524 |

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The Mixed Procedure

Convergence criteria met.

Covariance Parameter Estimates

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Fit Statistics

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Solution for Fixed Effects

| Effect | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------|----------|----------------|----|---------|------|---|
| Intercept | 86.9557  | 2.1135         | 130| 41.14   | <.0001|
| visc    | -1.7914  | 0.4364         | 128| -4.11   | <.0001|
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|-----------------------|----------|---------|---------|---------|-------|--------|
| Intercept | 200922 | -6.0475 | 5.7868 | 235 | -1.05 | 0.2971 |
| \( v \text{isc} \) | 200922 | -0.1094 | 1.5317 | 235 | -0.07 | 0.9431 |
| Intercept | 201800 | -4.9679 | 5.8476 | 235 | -0.85 | 0.3964 |
| \( v \text{isc} \) | 201800 | 0.02658 | 1.5265 | 235 | 0.02 | 0.9861 |
| Intercept | 201877 | -6.7385 | 5.8311 | 235 | -1.16 | 0.2490 |
| \( v \text{isc} \) | 201877 | -0.3978 | 1.5270 | 235 | -0.26 | 0.7947 |
| Intercept | 203328 | -11.9428 | 5.8897 | 235 | -2.03 | 0.0437 |
| \( v \text{isc} \) | 203328 | 0.08468 | 1.5213 | 235 | 0.06 | 0.9557 |
| Intercept | 204555 | 2.8420 | 5.8353 | 235 | 0.49 | 0.6267 |
| \( v \text{isc} \) | 204555 | -0.05198 | 1.5246 | 235 | -0.03 | 0.9728 |
| Intercept | 205758 | -11.9026 | 5.8367 | 235 | -2.04 | 0.0425 |
| \( v \text{isc} \) | 205758 | -0.2255 | 1.5218 | 235 | -0.15 | 0.8823 |
| Intercept | 206816 | 0.7140 | 5.8266 | 235 | 0.12 | 0.9220 |
| \( v \text{isc} \) | 206816 | 0.1499 | 1.5296 | 235 | 0.10 | 0.9274 |
| Intercept | 208280 | 0.9011 | 5.8328 | 235 | 0.15 | 0.8774 |
| \( v \text{isc} \) | 208280 | 0.5644 | 1.5280 | 235 | 0.37 | 0.7122 |
| Intercept | 208324 | 41.4385 | 5.8367 | 235 | 7.11 | <.0001 |
| \( v \text{isc} \) | 208324 | 0.7140 | 5.8266 | 235 | 0.12 | 0.9026 |
| Intercept | 213454 | 14.3513 | 5.8599 | 235 | 2.45 | 0.0151 |
| \( v \text{isc} \) | 213454 | 0.5526 | 1.5192 | 235 | 0.36 | 0.7164 |
| Intercept | 214376 | 4.7091 | 5.8331 | 235 | 0.81 | 0.4203 |
| \( v \text{isc} \) | 214376 | -0.1402 | 1.5299 | 235 | -0.09 | 0.9271 |
| Intercept | 215052 | 12.6025 | 6.4387 | 235 | 1.96 | 0.0515 |
| \( v \text{isc} \) | 215052 | 0.1997 | 1.5132 | 235 | 0.13 | 0.8951 |
| Intercept | 216086 | 14.0923 | 5.8354 | 235 | -2.41 | 0.0165 |
| \( v \text{isc} \) | 216086 | -0.9344 | 1.5295 | 235 | -0.61 | 0.5418 |
| Intercept | 220068 | -32.6156 | 5.8473 | 235 | -5.58 | <.0001 |
| \( v \text{isc} \) | 220068 | -0.5759 | 1.5233 | 235 | -0.38 | 0.7057 |
| Intercept | 223343 | -1.2435 | 5.8413 | 235 | -0.21 | 0.8316 |
| \( v \text{isc} \) | 223343 | -0.2199 | 1.5220 | 235 | -0.14 | 0.8852 |
| Intercept | 223534 | 12.2549 | 6.2776 | 235 | 1.95 | 0.0521 |
| \( v \text{isc} \) | 223534 | 0.1047 | 1.5834 | 235 | 0.07 | 0.9473 |
| Intercept | 223635 | 73.3910 | 5.9185 | 235 | 12.40 | <.0001 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|-----|---------|------|---|
| visc   | 223635                | 0.8189   | 1.4997       | 235 | 0.55    | 0.5856 |
| Intercept | 224502             | 8.1608   | 5.7875       | 235 | 1.41    | 0.1598 |
| visc   | 224502                | -0.2182  | 1.5275       | 235 | -0.14   | 0.8865 |
| Intercept | 226640             | -3.3779  | 5.8320       | 235 | -0.58   | 0.5630 |
| visc   | 226640                | 0.1239   | 1.5273       | 235 | 0.08    | 0.9354 |
| Intercept | 229428             | 12.3837  | 5.8251       | 235 | 2.13    | 0.0346 |
| visc   | 229428                | -0.6848  | 1.5301       | 235 | -0.45   | 0.6549 |
| Intercept | 229733             | -17.0435 | 5.8442       | 235 | -2.92   | 0.0039 |
| visc   | 229733                | -0.3965  | 1.5146       | 235 | -0.26   | 0.7937 |
| Intercept | 232174             | 14.3338  | 6.3128       | 235 | 2.27    | 0.0241 |
| visc   | 232174                | 0.5059   | 1.5758       | 235 | 0.32    | 0.7484 |
| Intercept | 234053             | 13.7783  | 5.8212       | 235 | 2.37    | 0.0187 |
| visc   | 234053                | 0.08323  | 1.5297       | 235 | 0.05    | 0.9567 |
| Intercept | 234650             | -7.6621  | 5.8086       | 235 | -1.32   | 0.1884 |
| visc   | 234650                | 0.3768   | 1.5291       | 235 | 0.25    | 0.8056 |
| Intercept | 234795             | 30.9234  | 7.5025       | 235 | 4.12    | <.0001 |
| visc   | 234795                | -0.3889  | 1.5368       | 235 | -0.25   | 0.8004 |
| Intercept | 235752             | 12.3648  | 5.8855       | 235 | 2.10    | 0.0367 |
| visc   | 235752                | 0.05376  | 1.5342       | 235 | 0.04    | 0.9721 |
| Intercept | 236202             | -27.2088 | 5.8337       | 235 | -4.66   | <.0001 |
| visc   | 236202                | -0.1421  | 1.5223       | 235 | -0.09   | 0.9257 |
| Intercept | 237192             | 4.2641   | 5.8435       | 235 | 0.73    | 0.4663 |
| visc   | 237192                | 0.7701   | 1.5225       | 235 | 0.51    | 0.6135 |
| Intercept | 239960             | -12.1890 | 5.8656       | 235 | -2.08   | 0.0388 |
| visc   | 239960                | -0.6469  | 1.5140       | 235 | -0.43   | 0.6696 |
| Intercept | 241501             | 1.7368   | 5.9359       | 235 | 0.29    | 0.7701 |
| visc   | 241501                | 1.2469   | 1.4769       | 235 | 0.84    | 0.3994 |
| Intercept | 242715             | 13.8159  | 5.8600       | 235 | 2.36    | 0.0192 |
| visc   | 242715                | -1.1631  | 1.5219       | 235 | -0.76   | 0.4455 |
| Intercept | 243560             | 11.1695  | 5.8399       | 235 | 1.91    | 0.0570 |
| visc   | 243560                | -0.4435  | 1.5261       | 235 | -0.29   | 0.7716 |
| Intercept | 243738             | -12.9280 | 5.8223       | 235 | -2.22   | 0.0273 |
| visc   | 243738                | -0.4577  | 1.5297       | 235 | -0.30   | 0.7650 |
| Intercept | 244111             | 33.5006  | 5.8800       | 235 | 5.70    | <.0001 |
| visc   | 244111                | -0.2294  | 1.5081       | 235 | -0.15   | 0.8792 |
### The Mixed Procedure

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|-----|---------|------|---|
| Intercept | 244831 | 61.4392 | 5.8568 | 235 | 10.49 | <.0001 |
| visc | 244831 | -1.5355 | 1.5301 | 235 | -1.00 | 0.3166 |
| Intercept | 245990 | 37.0284 | 5.8713 | 235 | 6.31 | <.0001 |
| visc | 245990 | 0.4352 | 1.5014 | 235 | 0.29 | 0.7722 |
| Intercept | 246620 | 17.9268 | 5.8718 | 235 | 3.05 | 0.0025 |
| visc | 246620 | 0.7847 | 1.5218 | 235 | 0.52 | 0.6066 |
| Intercept | 247880 | 18.0823 | 5.8799 | 235 | 3.08 | 0.0024 |
| visc | 247880 | -0.7522 | 1.5087 | 235 | -0.50 | 0.6185 |
| Intercept | 248712 | -15.6888 | 5.8778 | 235 | -2.67 | 0.0081 |
| visc | 248712 | 0.1024 | 1.5015 | 235 | 0.07 | 0.9464 |
| Intercept | 252086 | -22.3067 | 5.8636 | 235 | -3.80 | 0.0002 |
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| Intercept | 255765 | 5.1880 | 5.8314 | 235 | 0.89 | 0.3746 |
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| Intercept | 256171 | -8.0270 | 5.7758 | 235 | -1.39 | 0.1659 |
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| Intercept | 258950 | -15.3260 | 7.2558 | 235 | -2.11 | 0.0357 |
| visc | 258950 | -0.02323 | 1.6155 | 235 | -0.01 | 0.9885 |
| Intercept | 259940 | 22.8925 | 9.5792 | 235 | 2.39 | 0.0176 |
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### Solution for Random Effects

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| Intercept | 295940 | -22.8923 | 5.8212 | 235 | -3.93 | 0.0001 |
| Intercept | 298515 | -0.7119 | 1.5230 | 235 | -0.47 | 0.6406 |
| Intercept | 298515 | -22.8923 | 5.8212 | 235 | -3.93 | 0.0001 |
| Intercept | 299663 | -22.8923 | 5.8212 | 235 | -3.93 | 0.0001 |
| Intercept | 300641 | -0.7119 | 1.5230 | 235 | -0.47 | 0.6406 |
| Intercept | 300641 | -22.8923 | 5.8212 | 235 | -3.93 | 0.0001 |
| Intercept | 300696 | -22.8923 | 5.8212 | 235 | -3.93 | 0.0001 |
| Intercept | 300911 | -22.8923 | 5.8212 | 235 | -3.93 | 0.0001 |
| Intercept | 301157 | -22.8923 | 5.8212 | 235 | -3.93 | 0.0001 |
| Intercept | 303868 | 15.9180 | 5.8474 | 235 | 2.72 | 0.0070 |
| Intercept | 304860 | -16.5444 | 5.8199 | 235 | -2.84 | 0.0049 |
| Intercept | 306546 | -18.0535 | 5.8462 | 235 | -3.09 | 0.0023 |
| Intercept | 312317 | 25.6267 | 5.8148 | 235 | 4.41 | <.0001 |
| Intercept | 313195 | 25.6267 | 5.8148 | 235 | 4.41 | <.0001 |
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| Intercept | 313893 | -0.1882 | 1.5216 | 235 | -0.12 | 0.9017 |
| Intercept | 316110 | 0.1063 | 1.5274 | 235 | 0.07 | 0.9446 |
| Intercept | 316110 | 0.5196 | 1.5287 | 235 | 0.34 | 0.7342 |
| Intercept | 318562 | 1.3923 | 5.8283 | 235 | 0.24 | 0.8114 |
| Intercept | 318562 | -16.9908 | 5.8283 | 235 | -2.92 | 0.0039 |
| Intercept | 320182 | -7.0751 | 5.8471 | 235 | -1.21 | 0.2275 |
### Solution for Random Effects

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### Solution for Random Effects

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| visc | 358230 | -0.2265 | 1.5288 | 235 | -0.15 | 0.8823 |
| Intercept | 359308 | 4.1433 | 5.8352 | 235 | 0.71 | 0.4784 |
| visc | 359308 | 0.1808 | 1.5264 | 235 | 0.12 | 0.9058 |
| Intercept | 364664 | -13.0826 | 5.8292 | 235 | -2.24 | 0.0257 |
| visc | 364664 | 0.1460 | 1.5261 | 235 | 0.10 | 0.9238 |
| Intercept | 367836 | -23.9513 | 5.8097 | 235 | -4.12 | <0.0001 |
| visc | 367836 | -0.7090 | 1.5286 | 235 | -0.46 | 0.6432 |
| Intercept | 369973 | 2.0594 | 6.2699 | 235 | 0.33 | 0.7429 |
| visc | 369973 | 0.06143 | 1.5841 | 235 | 0.04 | 0.9691 |
| Intercept | 370942 | -4.4796 | 5.8191 | 235 | -0.77 | 0.4422 |
| visc | 370942 | -0.2094 | 1.5312 | 235 | -0.14 | 0.8913 |
| Intercept | 371021 | 2.7687 | 6.4056 | 235 | 0.43 | 0.6660 |
| visc | 371021 | 0.1536 | 1.5214 | 235 | 0.10 | 0.9197 |
| Intercept | 374687 | -4.4796 | 5.8191 | 235 | -0.77 | 0.4422 |
| visc | 374687 | -0.2094 | 1.5312 | 235 | -0.14 | 0.8913 |
| Intercept | 376004 | -32.1270 | 5.8226 | 235 | -5.52 | <0.0001 |
| visc | 376004 | -0.2132 | 1.5290 | 235 | -0.14 | 0.8892 |
| Intercept | 376252 | -5.7751 | 5.8140 | 235 | -0.99 | 0.3216 |
| visc | 376252 | 0.1666 | 1.5327 | 235 | 0.11 | 0.9136 |
| Intercept | 380166 | 0.3440 | 5.8075 | 235 | 0.06 | 0.9528 |
| visc | 380166 | 0.03028 | 1.5313 | 235 | 0.02 | 0.9842 |
| Intercept | 380998 | -3.4476 | 5.8291 | 235 | -0.59 | 0.5548 |
| visc | 380998 | 0.01660 | 1.5266 | 235 | 0.01 | 0.9913 |
| Intercept | 383193 | -3.1516 | 5.8253 | 235 | -0.54 | 0.5890 |
| visc | 383193 | 0.5288 | 1.5264 | 235 | 0.35 | 0.7293 |
| Intercept | 383744 | -10.6776 | 5.8568 | 235 | -1.82 | 0.0696 |
| visc | 383744 | -0.04165 | 1.5215 | 235 | -0.03 | 0.9782 |
| Intercept | 385151 | 7.0469 | 6.2678 | 235 | 1.12 | 0.2620 |
| visc | 385151 | 0.09182 | 1.5842 | 235 | 0.06 | 0.9538 |
| Intercept | 386040 | -39.1883 | 5.8594 | 235 | -6.69 | <0.0001 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|-------|---------|
| visc   | 386040                 | -0.6816  | 1.5163  | 235     | -0.45   | 0.6535 |
| Intercept | 386488              | -15.7972 | 5.8296  | 235     | -2.71   | 0.0072 |
| visc   | 386488                 | 0.1853   | 1.5290  | 235     | 0.12    | 0.9036 |
| Intercept | 386758              | -5.6267  | 5.8461  | 235     | -0.96   | 0.3368 |
| visc   | 386758                 | 0.3320   | 1.5219  | 235     | 0.22    | 0.8275 |
| Intercept | 387658              | -7.2596  | 5.8413  | 235     | -1.24   | 0.2152 |
| visc   | 387658                 | 0.1829   | 1.5240  | 235     | 0.12    | 0.9046 |
| Intercept | 392316              | -6.2026  | 5.8341  | 235     | -1.06   | 0.2888 |
| visc   | 392316                 | -0.03217 | 1.5250  | 235     | -0.02   | 0.9832 |
| Intercept | 393936              | -21.7340 | 5.8308  | 235     | -3.73   | 0.0002 |
| visc   | 393936                 | 0.2773   | 1.5270  | 235     | 0.18    | 0.8560 |
| Intercept | 394588              | -34.2754 | 5.7974  | 235     | -5.91   | <.0001 |
| visc   | 394588                 | -0.07416 | 1.5355  | 235     | -0.05   | 0.9615 |
| Intercept | 397661              | -37.1794 | 5.8290  | 235     | -6.38   | <.0001 |
| visc   | 397661                 | -0.2142  | 1.5272  | 235     | -0.14   | 0.8886 |
| Intercept | 397931              | -13.7865 | 7.5025  | 235     | -1.84   | 0.0674 |
| visc   | 397931                 | 0.5729   | 1.5368  | 235     | 0.37    | 0.7097 |

### Type 3 Tests of Fixed Effects

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*The Mixed Procedure*
### The MEANS Procedure

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The GLM Procedure

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Number of observations 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
**The GLM Procedure**

**Dependent Variable: slope**

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| Intercept | -2.558168456 | B | 2.37854521 | -1.08 | 0.2849 |
| sex Female | 0.204864190 | B | 0.18203568 | 1.13 | 0.2633 |
| sex Male | 0.000000000 | B | . | . | . |
| hdyn N | 0.047857865 | B | 0.14003524 | 0.34 | 0.7333 |
| hdyn Y | 0.000000000 | B | . | . | . |
| age | 0.016635075 | B | 0.00829934 | 2.00 | 0.0479 |
| lrbf | 0.987185331 | B | 0.56540151 | 1.75 | 0.0841 |
| bmi_c | 0.011495102 | B | 0.01363177 | 0.84 | 0.4012 |
| lmrskvs | -0.534008445 | B | 0.34108326 | -1.57 | 0.1208 |
| urine24_c | -0.000063937 | B | 0.00006260 | -1.02 | 0.3097 |
| esode_cc | 0.000577588 | B | 0.00093366 | 0.62 | 0.5377 |
| lalbe_ca | 0.078131353 | B | 0.16323548 | 0.48 | 0.6333 |
Dependent Variable: slope

The GLM Procedure

| Parameter   | Estimate      | Standard Error | t Value | Pr > |t| |
|-------------|---------------|----------------|---------|------|---|
| lpldle_ca   | 0.000828905   | 0.00180577     | 0.46    | 0.6473 |   |
| lphdle_ca   | -0.003078029  | 0.00622062     | -0.49   | 0.6219 |   |
| surice_ca   | 0.077269594   | 0.07613082     | 1.01    | 0.3127 |   |

NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### The GLM Procedure

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### The GLM Procedure

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### The Mixed Procedure

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The Mixed Procedure

Convergence criteria met.

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Solution for Fixed Effects

| Effect | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------|----------|----------------|----|---------|------|----|
| Intercept | 86.9557 | 2.1135 | 130 | 41.14 | <.0001 |
| visc | -1.7914 | 0.4364 | 128 | -4.11 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|----------------|----------|---------|---------|---------|-------|-----|
| Intercept | 200922 | -6.0475 | 5.7868 | 235 | -1.05 | 0.2971 |
| visc | 200922 | -0.1094 | 1.5317 | 235 | -0.07 | 0.9431 |
| Intercept | 201800 | -4.9679 | 5.8476 | 235 | -0.85 | 0.3964 |
| visc | 201800 | 0.0265 | 1.5265 | 235 | 0.02 | 0.9861 |
| Intercept | 201877 | -6.7385 | 5.8311 | 235 | -1.16 | 0.2490 |
| visc | 201877 | -0.3978 | 1.5270 | 235 | -0.26 | 0.7947 |
| Intercept | 203328 | -11.9428 | 5.8897 | 235 | -2.03 | 0.0437 |
| visc | 203328 | 0.0847 | 1.5213 | 235 | 0.06 | 0.9557 |
| Intercept | 204555 | 2.8420 | 5.8353 | 235 | 0.49 | 0.6267 |
| visc | 204555 | -0.0519 | 1.5246 | 235 | -0.03 | 0.9728 |
| Intercept | 205758 | -11.9026 | 5.8367 | 235 | -2.04 | 0.0425 |
| visc | 205758 | -0.2255 | 1.5218 | 235 | -0.15 | 0.8823 |
| Intercept | 206816 | 0.7140 | 5.8266 | 235 | 0.12 | 0.9026 |
| visc | 206816 | 0.1499 | 1.5296 | 235 | 0.10 | 0.9220 |
| Intercept | 208280 | 0.9011 | 5.8328 | 235 | 0.15 | 0.8774 |
| visc | 208280 | 0.5644 | 1.5280 | 235 | 0.37 | 0.7122 |
| Intercept | 208324 | 41.4385 | 5.8897 | 235 | 7.11 | <.0001 |
| visc | 208324 | 1.1510 | 1.5280 | 235 | 0.75 | 0.4520 |
| Intercept | 209281 | 17.8187 | 5.8367 | 235 | 3.05 | 0.0025 |
| visc | 209281 | 0.0624 | 1.5325 | 235 | 0.04 | 0.9675 |
| Intercept | 213454 | 14.3513 | 5.8599 | 235 | 2.45 | 0.0151 |
| visc | 213454 | 0.5526 | 1.5192 | 235 | 0.36 | 0.7164 |
| Intercept | 214376 | 4.7091 | 5.8331 | 235 | 0.81 | 0.4203 |
| visc | 214376 | -0.1402 | 1.5299 | 235 | -0.09 | 0.9271 |
| Intercept | 215052 | 12.6025 | 6.4387 | 235 | 1.96 | 0.0515 |
| visc | 215052 | 0.1997 | 1.5132 | 235 | 0.13 | 0.8951 |
| Intercept | 216086 | -14.0923 | 5.8354 | 235 | -2.41 | 0.0165 |
| visc | 216086 | -0.9344 | 1.5295 | 235 | -0.61 | 0.5418 |
| Intercept | 220068 | -32.6156 | 5.8473 | 235 | -5.58 | <.0001 |
| visc | 220068 | -0.5759 | 1.5233 | 235 | -0.38 | 0.7057 |
| Intercept | 223343 | -1.2435 | 5.8413 | 235 | -0.21 | 0.8316 |
| visc | 223343 | -0.2199 | 1.5220 | 235 | -0.14 | 0.8852 |
| Intercept | 223534 | 12.2549 | 6.2776 | 235 | 1.95 | 0.0521 |
| visc | 223534 | 0.1047 | 1.5834 | 235 | 0.07 | 0.9473 |
| Intercept | 223635 | 73.3910 | 5.9185 | 235 | 12.40 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|----------------------|----------|--------------|----|---------|------|---|
| visc 223635 | 0.8189 | 1.4997 | 235 | 0.55 | 0.5856 |
| Intercept 224502 | 8.1608 | 5.7875 | 235 | 1.41 | 0.1598 |
| visc 226640 | -3.3779 | 5.8320 | 235 | -0.58 | 0.5630 |
| Intercept 229428 | -0.6848 | 1.5301 | 235 | -0.45 | 0.6549 |
| Intercept 229733 | -17.0435 | 5.8442 | 235 | -2.92 | 0.0039 |
| visc 229733 | -0.3965 | 1.5146 | 235 | -0.26 | 0.7937 |
| Intercept 232174 | 14.3338 | 6.3128 | 235 | 2.27 | 0.0241 |
| visc 232174 | 0.5059 | 1.5758 | 235 | 0.32 | 0.7484 |
| Intercept 234053 | 13.7783 | 5.8212 | 235 | 2.37 | 0.0187 |
| visc 234053 | 0.08323 | 1.5273 | 235 | -0.05 | 0.9567 |
| Intercept 234650 | -7.6621 | 5.8086 | 235 | -1.32 | 0.1884 |
| visc 234650 | 0.3768 | 1.5291 | 235 | 0.25 | 0.8056 |
| Intercept 234795 | 30.9234 | 7.5025 | 235 | 4.12 | <.0001 |
| visc 234795 | -0.3889 | 1.5368 | 235 | -0.25 | 0.8004 |
| Intercept 235752 | 12.3648 | 5.8855 | 235 | 2.10 | 0.0367 |
| visc 235752 | 0.05376 | 1.5342 | 235 | 0.04 | 0.9721 |
| Intercept 236202 | -27.2088 | 5.8337 | 235 | -4.66 | <.0001 |
| visc 236202 | -0.1421 | 1.5223 | 235 | -0.09 | 0.9257 |
| Intercept 237192 | 4.2641 | 5.8435 | 235 | 0.73 | 0.4663 |
| visc 237192 | 0.7701 | 1.5225 | 235 | 0.51 | 0.6135 |
| Intercept 239960 | -12.1890 | 5.8656 | 235 | -2.08 | 0.0388 |
| visc 239960 | -0.6469 | 1.5140 | 235 | -0.43 | 0.6696 |
| Intercept 241501 | 1.7368 | 5.9359 | 235 | 0.29 | 0.7701 |
| visc 241501 | 1.2469 | 1.4769 | 235 | 0.84 | 0.3994 |
| Intercept 242715 | 13.8159 | 5.8600 | 235 | 2.36 | 0.0192 |
| visc 242715 | -1.1631 | 1.5219 | 235 | -0.76 | 0.4455 |
| Intercept 243560 | 11.1695 | 5.8399 | 235 | 1.91 | 0.0570 |
| visc 243560 | -0.4435 | 1.5261 | 235 | -0.29 | 0.7716 |
| Intercept 243738 | 12.9280 | 5.8223 | 235 | -2.22 | 0.0273 |
| visc 243738 | -0.4577 | 1.5297 | 235 | -0.30 | 0.7650 |
| Intercept 244111 | 33.5006 | 5.8800 | 235 | 5.70 | <.0001 |
| visc 244111 | -0.2294 | 1.5081 | 235 | -0.15 | 0.8792 |
The Mixed Procedure

Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|--------|------|---|
| Intercept | 244831 | 61.4392 | 5.8568 | 235 | 10.49 | <.0001 |
| visc | 244831 | -1.5355 | 1.5301 | 235 | -1.00 | 0.3166 |
| Intercept | 245990 | 37.0284 | 5.8713 | 235 | 6.31 | <.0001 |
| visc | 245990 | 0.4352 | 1.5014 | 235 | 0.29 | 0.7722 |
| Intercept | 246620 | 17.9268 | 5.8718 | 235 | 3.05 | 0.0025 |
| visc | 246620 | 0.7847 | 1.5218 | 235 | 0.52 | 0.6066 |
| Intercept | 247880 | 18.0823 | 5.8799 | 235 | 3.08 | 0.0024 |
| visc | 247880 | -0.7522 | 1.5087 | 235 | -0.50 | 0.6185 |
| Intercept | 248712 | -15.6888 | 5.8778 | 235 | -2.67 | 0.0081 |
| visc | 248712 | 0.1024 | 1.5015 | 235 | 0.07 | 0.9464 |
| Intercept | 252086 | -22.3067 | 5.8636 | 235 | -3.80 | 0.0002 |
| visc | 252086 | 0.001035 | 1.5235 | 235 | 0.00 | 0.9995 |
| Intercept | 255765 | 5.1880 | 5.8314 | 235 | 0.89 | 0.3746 |
| visc | 255765 | 0.7947 | 1.5282 | 235 | 0.52 | 0.6035 |
| Intercept | 256171 | -8.0270 | 5.7758 | 235 | -1.39 | 0.1659 |
| visc | 256171 | -0.03103 | 1.5366 | 235 | -0.02 | 0.9839 |
| Intercept | 258950 | -15.3260 | 7.2558 | 235 | -2.11 | 0.0357 |
| visc | 258950 | -0.02323 | 1.6155 | 235 | -0.01 | 0.9885 |
| Intercept | 259940 | 22.8925 | 9.5792 | 235 | 2.39 | 0.0176 |
| visc | 259940 | 0 | 1.6270 | 235 | 0.00 | 1.0000 |
| Intercept | 263617 | -6.1235 | 5.8456 | 235 | -1.05 | 0.2959 |
| visc | 263617 | 0.09256 | 1.5264 | 235 | 0.06 | 0.9517 |
| Intercept | 264225 | 57.4979 | 5.8476 | 235 | 9.83 | <.0001 |
| visc | 264225 | 0.7858 | 1.5206 | 235 | 0.52 | 0.6058 |
| Intercept | 264348 | 88.0580 | 5.8203 | 235 | 15.13 | <.0001 |
| visc | 264348 | -2.8030 | 1.5286 | 235 | -1.83 | 0.0680 |
| Intercept | 265171 | 16.1658 | 5.8402 | 235 | 2.77 | 0.0061 |
| visc | 265171 | 0.08478 | 1.5260 | 235 | 0.06 | 0.9557 |
| Intercept | 268455 | -19.4019 | 5.8770 | 235 | -3.30 | 0.0011 |
| visc | 268455 | -0.3995 | 1.5222 | 235 | -0.26 | 0.7932 |
| Intercept | 271043 | 38.7552 | 5.8454 | 235 | 6.63 | <.0001 |
| visc | 271043 | 0.8412 | 1.5051 | 235 | 0.56 | 0.5768 |
| Intercept | 271460 | -1.3058 | 5.8261 | 235 | -0.22 | 0.8228 |
| visc | 271460 | -0.1628 | 1.5273 | 235 | -0.11 | 0.9152 |
| Intercept | 271662 | 0.5242 | 7.2505 | 235 | 0.07 | 0.9424 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Pred | DF  | t Value | Pr > |t| |
|--------|-----------------------|----------|----------|-----|---------|------|---|
| visc   | 271662                | 0.1484   | 1.6173   | 235 | 0.09    | 0.9270 |
| Intercept | 271684          | 49.0311  | 5.8670   | 235 | 8.36    | <.0001 |
| visc   | 271684                | -0.5730  | 1.5202   | 235 | -0.38   | 0.7066 |
| Intercept | 273214          | 5.3112   | 5.7733   | 235 | 0.92    | 0.3585 |
| visc   | 273214                | 0.1603   | 1.5371   | 235 | 0.10    | 0.9170 |
| Intercept | 273225          | -10.4263 | 7.3637   | 235 | -1.42   | 0.1581 |
| visc   | 273225                | -0.2037  | 1.5809   | 235 | -0.13   | 0.8976 |
| Intercept | 277490          | 16.4729  | 5.8505   | 235 | 2.82    | 0.0053 |
| visc   | 277490                | -0.8982  | 1.5217   | 235 | -0.59   | 0.5556 |
| Intercept | 281000          | 15.1206  | 5.8157   | 235 | 2.60    | 0.0099 |
| visc   | 281000                | 0.05498  | 1.5290   | 235 | 0.04    | 0.9713 |
| Intercept | 281977          | 0.1460   | 5.8417   | 235 | 0.03    | 0.9801 |
| visc   | 281977                | -0.8402  | 1.5254   | 235 | 0.55    | 0.5823 |
| Intercept | 283722          | 44.2205  | 5.8189   | 235 | 7.60    | <.0001 |
| visc   | 283722                | -0.6934  | 1.5247   | 235 | -0.45   | 0.6497 |
| Intercept | 283935          | -17.1939 | 6.3025   | 235 | -2.73   | 0.0069 |
| visc   | 283935                | -0.2957  | 1.5768   | 235 | -0.19   | 0.8514 |
| Intercept | 285601          | -3.7377  | 5.8486   | 235 | -0.64   | 0.5234 |
| visc   | 285601                | -0.2614  | 1.5256   | 235 | -0.17   | 0.8641 |
| Intercept | 286095          | 7.5609   | 5.8342   | 235 | 1.30    | 0.1963 |
| visc   | 286095                | 0.000653 | 1.5259   | 235 | 0.00    | 0.9997 |
| Intercept | 290336          | 26.7934  | 5.8773   | 235 | 4.56    | <.0001 |
| visc   | 290336                | 1.0170   | 1.5214   | 235 | 0.67    | 0.5045 |
| Intercept | 292362          | -16.4076 | 5.9085   | 235 | -2.78   | 0.0059 |
| visc   | 292362                | -0.8873  | 1.5163   | 235 | -0.59   | 0.5590 |
| Intercept | 293317          | -20.0057 | 5.8099   | 235 | -3.44   | 0.0007 |
| visc   | 293317                | -0.2115  | 1.5206   | 235 | -0.14   | 0.8895 |
| Intercept | 293598          | -34.2377 | 6.2931   | 235 | -5.44   | <.0001 |
| visc   | 293598                | -0.6537  | 1.5819   | 235 | -0.41   | 0.6798 |
| Intercept | 294105          | -23.8736 | 6.4190   | 235 | -3.72   | 0.0002 |
| visc   | 294105                | -0.3945  | 1.5294   | 235 | -0.26   | 0.7967 |
| Intercept | 294511          | 44.2341  | 5.8563   | 235 | 7.55    | <.0001 |
| visc   | 294511                | 0.1156   | 1.5234   | 235 | 0.08    | 0.9396 |
| Intercept | 295106          | 18.5181  | 5.8530   | 235 | 3.16    | 0.0018 |
| visc   | 295106                | 0.06591  | 1.5164   | 235 | 0.04    | 0.9654 |
## Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|-----------------------|----------|---------|--------|---------|------|---|
| Intercept | 295940 | -10.3429 | 5.8202 | 235 | -1.78 | 0.0768 |
| visc | 295940 | -0.7119 | 1.5230 | 235 | -0.47 | 0.6406 |
| Intercept | 298515 | -22.8923 | 5.8212 | 235 | -3.93 | 0.0001 |
| visc | 298515 | 0.3048 | 1.5277 | 235 | 0.20 | 0.8420 |
| Intercept | 299663 | -16.3977 | 5.8706 | 235 | -2.79 | 0.0056 |
| visc | 299663 | -1.0118 | 1.5128 | 235 | -0.67 | 0.5043 |
| Intercept | 300641 | -7.0306 | 5.8235 | 235 | -1.21 | 0.2285 |
| visc | 300641 | 0.0987 | 1.5265 | 235 | 0.06 | 0.9485 |
| Intercept | 300696 | -22.4713 | 5.8372 | 235 | -3.85 | 0.0002 |
| visc | 300696 | 0.4215 | 1.5247 | 235 | 0.28 | 0.7824 |
| Intercept | 300911 | -6.9477 | 6.2667 | 235 | -1.11 | 0.2687 |
| visc | 300911 | -0.1933 | 1.5851 | 235 | -0.12 | 0.9030 |
| Intercept | 301157 | -28.6612 | 5.8266 | 235 | -4.92 | <.0001 |
| visc | 301157 | 0.3024 | 1.5276 | 235 | 0.20 | 0.8432 |
| Intercept | 301372 | -4.5728 | 5.8170 | 235 | -0.79 | 0.4326 |
| visc | 301372 | 0.7551 | 1.5307 | 235 | 0.49 | 0.6223 |
| Intercept | 303868 | 15.9180 | 5.8474 | 235 | 2.72 | 0.0070 |
| visc | 303868 | -0.1882 | 1.5216 | 235 | -0.12 | 0.9017 |
| Intercept | 304860 | -16.5444 | 5.8199 | 235 | -2.84 | 0.0049 |
| visc | 304860 | 0.2690 | 1.5287 | 235 | 0.18 | 0.8605 |
| Intercept | 306546 | -18.0535 | 5.8462 | 235 | -3.09 | 0.0023 |
| visc | 306546 | 0.1891 | 1.5247 | 235 | 0.12 | 0.9014 |
| Intercept | 312317 | 25.6267 | 5.8148 | 235 | 4.41 | <.0001 |
| visc | 312317 | -0.5415 | 1.5315 | 235 | -0.35 | 0.7240 |
| Intercept | 313195 | -0.6581 | 5.8461 | 235 | -0.11 | 0.9105 |
| visc | 313195 | -0.4444 | 1.5219 | 235 | -0.29 | 0.7705 |
| Intercept | 313307 | -17.0098 | 5.8287 | 235 | -2.92 | 0.0039 |
| visc | 313307 | 0.1063 | 1.5274 | 235 | 0.07 | 0.9446 |
| Intercept | 313893 | -4.1483 | 5.8271 | 235 | -0.71 | 0.4772 |
| visc | 313893 | 0.2231 | 1.5291 | 235 | 0.15 | 0.8841 |
| Intercept | 316110 | 1.3923 | 5.8283 | 235 | 0.24 | 0.8114 |
| visc | 316110 | 0.5196 | 1.5287 | 235 | 0.34 | 0.7342 |
| Intercept | 318562 | -10.8196 | 5.8212 | 235 | -1.86 | 0.0643 |
| visc | 318562 | -0.0365 | 1.5331 | 235 | -0.02 | 0.9810 |
| Intercept | 320182 | -7.0751 | 5.8471 | 235 | -1.21 | 0.2275 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred | DF  | t Value | Pr > |t| |
|--------|------------------------|----------|---------|------|-----|---------|-------|---|
| visc   | 320182                 | -0.5517  | 1.5238  | 235  | -0.36| 0.7176  |
| Intercept | 320957              | 10.7324  | 5.8242  | 235  | 1.84 | 0.0666  |
| visc   | 320957                 | 0.6814   | 1.5277  | 235  | 0.45 | 0.6560  |
| Intercept | 321611             | -28.6912 | 9.5792  | 235  | -3.00| 0.0030  |
| visc   | 323837                 | 0.4854   | 1.5224  | 235  | 0.32 | 0.7501  |
| Intercept | 325290             | -27.1775 | 5.8213  | 235  | -4.67| <0.0001 |
| visc   | 325290                 | -0.0220  | 1.5278  | 235  | -0.01| 0.9885  |
| Intercept | 327055             | -5.6136  | 5.8121  | 235  | -0.97| 0.3351  |
| visc   | 327055                 | 0.7757   | 1.5319  | 235  | 0.51 | 0.6131  |
| Intercept | 327325             | -9.0526  | 5.8429  | 235  | -1.55| 0.1226  |
| visc   | 327325                 | 0.4323   | 1.5268  | 235  | 0.28 | 0.7773  |
| Intercept | 327933             | -18.4197 | 5.8257  | 235  | -3.16| 0.0018  |
| visc   | 327933                 | -0.0958  | 1.5278  | 235  | -0.06| 0.9500  |
| Intercept | 331318             | 7.0802   | 5.8337  | 235  | 1.21 | 0.2261  |
| visc   | 331318                 | 0.3724   | 1.5276  | 235  | 0.24 | 0.8076  |
| Intercept | 333524             | -26.1140 | 5.8281  | 235  | -4.48| <0.0001 |
| visc   | 333524                 | 0.1695   | 1.5275  | 235  | 0.11 | 0.9111  |
| Intercept | 334672             | -8.8319  | 5.8755  | 235  | -1.50| 0.1341  |
| visc   | 334672                 | -0.3215  | 1.5077  | 235  | -0.21| 0.8313  |
| Intercept | 336167             | 4.0129   | 5.7590  | 235  | 0.70 | 0.4866  |
| visc   | 336167                 | 0.1335   | 1.5465  | 235  | 0.09 | 0.9313  |
| Intercept | 336843             | -12.1319 | 5.8287  | 235  | -2.08| 0.0385  |
| visc   | 336843                 | 0.1882   | 1.5274  | 235  | 0.12 | 0.9020  |
| Intercept | 337315             | 11.0303  | 5.8229  | 235  | 1.89 | 0.0594  |
| visc   | 337315                 | 0.5248   | 1.5288  | 235  | 0.34 | 0.7317  |
| Intercept | 342131             | 1.2054   | 5.8340  | 235  | 0.21 | 0.8365  |
| visc   | 342131                 | -0.3937  | 1.5234  | 235  | -0.26| 0.7963  |
| Intercept | 343097             | -30.1102 | 5.8355  | 235  | -5.16| <0.0001 |
| visc   | 343097                 | -0.6349  | 1.5262  | 235  | -0.42| 0.6778  |
| Intercept | 343233             | 21.1005  | 5.8161  | 235  | 3.63 | 0.0004  |
| visc   | 343233                 | 1.3251   | 1.5325  | 235  | 0.86 | 0.3881  |
| Intercept | 354494             | -10.7608 | 6.5425  | 235  | -1.64| 0.1014  |
| visc   | 354494                 | 0.3158   | 1.5307  | 235  | 0.21 | 0.8367  |
### Solution for Random Effects

| Effect   | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|----------|-----------------------|----------|--------------|-----|---------|------|---|
| Intercept| 358230                | -19.5687 | 5.8347       | 235 | -3.35   | 0.0009 |
|          |                       | -0.2265  | 1.5288       | 235 | -0.15   | 0.8823 |
| Intercept| 359308                | 4.1433   | 5.8352       | 235 | 0.71    | 0.4784 |
|          |                       | 0.1808   | 1.5264       | 235 | 0.12    | 0.9058 |
| Intercept| 364664                | -13.0826 | 5.8292       | 235 | -2.24   | 0.0257 |
|          |                       | 0.1460   | 1.5261       | 235 | 0.10    | 0.9238 |
| Intercept| 367836                | -23.9513 | 5.8097       | 235 | -4.12   | <0.0001 |
|          |                       | -0.7090  | 1.5286       | 235 | -0.46   | 0.6432 |
| Intercept| 368973                | 2.0594   | 6.2699       | 235 | 0.33    | 0.7429 |
|          |                       | 0.06143  | 1.5841       | 235 | 0.04    | 0.9691 |
| Intercept| 369941                | -2.4963  | 6.3880       | 235 | -0.39   | 0.6963 |
|          |                       | 0.03767  | 1.5338       | 235 | 0.02    | 0.9804 |
| Intercept| 370942                | 7.5146   | 6.2626       | 235 | 1.20    | 0.2314 |
|          |                       | 0.3188   | 1.5860       | 235 | 0.20    | 0.8409 |
| Intercept| 371021                | 0.7394   | 5.8297       | 235 | 0.13    | 0.8992 |
|          |                       | 0.6777   | 1.5271       | 235 | 0.44    | 0.6576 |
| Intercept| 374068                | 2.7687   | 6.4056       | 235 | 0.43    | 0.6660 |
|          |                       | 0.1536   | 1.5214       | 235 | 0.10    | 0.9197 |
| Intercept| 374687                | -4.4796  | 5.8191       | 235 | -0.77   | 0.4422 |
|          |                       | -0.2094  | 1.5312       | 235 | -0.14   | 0.8913 |
| Intercept| 376004                | -32.1270 | 5.8226       | 235 | -5.52   | <0.0001 |
|          |                       | -0.2132  | 1.5290       | 235 | -0.14   | 0.8892 |
| Intercept| 376252                | -5.7751  | 5.8140       | 235 | -0.99   | 0.3216 |
|          |                       | 0.1666   | 1.5327       | 235 | 0.11    | 0.9136 |
| Intercept| 380166                | 0.3440   | 5.8075       | 235 | 0.06    | 0.9528 |
|          |                       | 0.03028  | 1.5313       | 235 | 0.02    | 0.9842 |
| Intercept| 380998                | -3.4476  | 5.8291       | 235 | -0.59   | 0.5548 |
|          |                       | 0.01660  | 1.5266       | 235 | 0.01    | 0.9913 |
| Intercept| 383193                | -3.1516  | 5.8253       | 235 | -0.54   | 0.5890 |
|          |                       | 0.5288   | 1.5264       | 235 | 0.35    | 0.7293 |
| Intercept| 383744                | -10.6776 | 5.8568       | 235 | -1.82   | 0.0696 |
|          |                       | -0.04165 | 1.5215       | 235 | -0.03   | 0.9782 |
| Intercept| 385151                | 7.0469   | 6.2678       | 235 | 1.12    | 0.2620 |
|          |                       | 0.09182  | 1.5842       | 235 | 0.06    | 0.9538 |
| Intercept| 386040                | -39.1883 | 5.8594       | 235 | -6.69   | <0.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|-----|---------|-------|---|
| visc   | 386040                 | -0.6816  | 1.5163       | 235 | -0.45   | 0.6535 |
| Intercept | 386488            | -15.7972 | 5.8296       | 235 | -2.71   | 0.0072 |
| visc   | 386488                 | 0.1853   | 1.5290       | 235 | 0.12    | 0.9036 |
| Intercept | 386758            | -5.6267  | 5.8461       | 235 | -0.96   | 0.3368 |
| visc   | 386758                 | 0.3320   | 1.5219       | 235 | 0.22    | 0.8275 |
| Intercept | 387658            | -7.2596  | 5.8413       | 235 | -1.24   | 0.2152 |
| visc   | 387658                 | 0.1829   | 1.5240       | 235 | 0.12    | 0.9046 |
| Intercept | 392316            | -6.2026  | 5.8341       | 235 | -1.06   | 0.2888 |
| visc   | 392316                 | -0.03217 | 1.5250       | 235 | -0.02   | 0.9832 |
| Intercept | 393936            | -21.7340 | 5.8308       | 235 | -3.73   | 0.0002 |
| visc   | 393936                 | 0.2773   | 1.5270       | 235 | 0.18    | 0.8560 |
| Intercept | 394588            | -34.2754 | 5.7974       | 235 | -5.91   | <.0001 |
| visc   | 394588                 | -0.07416 | 1.5355       | 235 | -0.05   | 0.9615 |
| Intercept | 397661            | -37.1794 | 5.8290       | 235 | -6.38   | <.0001 |
| visc   | 397661                 | -0.2142  | 1.5272       | 235 | -0.14   | 0.8886 |
| Intercept | 397931            | -13.7865 | 7.5025       | 235 | -1.84   | 0.0674 |
| visc   | 397931                 | 0.5729   | 1.5368       | 235 | 0.37    | 0.7097 |

#### Type 3 Tests of Fixed Effects

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**Number of observations**: 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
The GLM Procedure

Dependent Variable: slope

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| sex Female      | 0.243379076 | 0.18158467 | 1.34  | 0.1834 |
| sex Male        | 0.000000000 |          |       |      |   |
| hdyn N          | -0.000983460 | 0.14382231 | -0.01 | 0.9946 |
| hdyn Y          | 0.000000000 |          |       |      |   |
| age             | 0.017339989 | 0.00817859 | 2.12  | 0.0366 |
| lrbf            | 0.873745510 | 0.56683043 | 1.54  | 0.1266 |
| bmi_c           | 0.010308431 | 0.01346966 | 0.77  | 0.4460 |
| lmrrcvs         | -0.357657505 | 0.17541190 | -2.04 | 0.0443 |
| urine24_c       | -0.000063576 | 0.00006206 | -1.02 | 0.3082 |
| esode_cc        | 0.000658660 | 0.00092565 | 0.71  | 0.4785 |
| lalbe_ca        | 0.100745417 | 0.15992922 | 0.63  | 0.5303 |
The GLM Procedure

Dependent Variable: slope

| Parameter   | Estimate   | Standard Error | t Value | Pr > |t| |
|-------------|------------|----------------|---------|------|---|
| lpldle_ca   | 0.000614148| 0.00179352     | 0.34    | 0.7328 |
| lphdle_ca   | -0.003871627| 0.00619151    | -0.63   | 0.5333 |
| surice_ca   | 0.077263640| 0.07546090     | 1.02    | 0.3085 |

NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### The GLM Procedure

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The GLM Procedure

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### The GLM Procedure

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| Sum of Squared Residuals - Error SS | -0.0000000 |
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The Mixed Procedure

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**The Mixed Procedure**

Convergence criteria met.

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### Solution for Random Effects

| Effect    | Participant/ID Number | Estimate | Std Err | DF | t Value | Pr > |t| |
|-----------|------------------------|----------|---------|----|---------|------|---|
| Intercept | 200922                 | -6.0475  | 5.7868  | 235| -1.05   | 0.2971 |
| visc      | 200922                 | -0.1094  | 1.5317  | 235| -0.07   | 0.9431 |
| Intercept | 201800                 | -4.9679  | 5.8476  | 235| -0.85   | 0.3964 |
| visc      | 201800                 | 0.02658  | 1.5265  | 235| 0.02    | 0.9861 |
| Intercept | 201877                 | -6.7385  | 5.8311  | 235| -1.16   | 0.2490 |
| visc      | 201877                 | -0.3978  | 1.5270  | 235| -0.26   | 0.7947 |
| Intercept | 203328                 | -11.9428 | 5.8897  | 235| -2.03   | 0.0437 |
| visc      | 203328                 | 0.08468  | 1.5213  | 235| 0.06    | 0.9557 |
| Intercept | 204555                 | 2.8420   | 5.8353  | 235| 0.49    | 0.6267 |
| visc      | 204555                 | -0.05198 | 1.5246  | 235| -0.03   | 0.9728 |
| Intercept | 205758                 | -11.9026 | 5.8367  | 235| -2.04   | 0.0425 |
| visc      | 205758                 | -0.2255  | 1.5218  | 235| -0.15   | 0.8823 |
| Intercept | 206816                 | 0.7140   | 5.8266  | 235| 0.12    | 0.9026 |
| visc      | 206816                 | 0.1499   | 1.5296  | 235| 0.10    | 0.9220 |
| Intercept | 208280                 | 0.9011   | 5.8328  | 235| 0.15    | 0.8774 |
| visc      | 208280                 | 0.5644   | 1.5280  | 235| 0.37    | 0.7122 |
| Intercept | 208324                 | 41.4385  | 5.8283  | 235| 7.11    | <.0001 |
| visc      | 208324                 | 1.1510   | 1.5280  | 235| 0.75    | 0.4520 |
| Intercept | 209281                 | 17.8187  | 5.8367  | 235| 3.05    | 0.0025 |
| visc      | 209281                 | 0.06243  | 1.5325  | 235| 0.04    | 0.9675 |
| Intercept | 213454                 | 14.3513  | 5.8599  | 235| 2.45    | 0.0151 |
| visc      | 213454                 | 0.5526   | 1.5192  | 235| 0.36    | 0.7164 |
| Intercept | 214376                 | 4.7091   | 5.8331  | 235| 0.81    | 0.4203 |
| visc      | 214376                 | -0.1402  | 1.5299  | 235| -0.09   | 0.9271 |
| Intercept | 215052                 | 12.6025  | 6.4387  | 235| 1.96    | 0.0515 |
| visc      | 215052                 | 0.1997   | 1.5132  | 235| 0.13    | 0.8951 |
| Intercept | 216086                 | -14.9923 | 5.8354  | 235| -2.41   | 0.0165 |
| visc      | 216086                 | -0.9344  | 1.5295  | 235| -0.61   | 0.5418 |
| Intercept | 220068                 | -32.6156 | 5.8473  | 235| -5.58   | <.0001 |
| visc      | 220068                 | -0.5759  | 1.5233  | 235| -0.38   | 0.7057 |
| Intercept | 223343                 | -1.2435  | 5.8413  | 235| -0.21   | 0.8316 |
| visc      | 223343                 | -0.2199  | 1.5220  | 235| -0.14   | 0.8852 |
| Intercept | 223534                 | 12.2549  | 6.2776  | 235| 1.95    | 0.0521 |
| visc      | 223534                 | 0.1047   | 1.5834  | 235| 0.07    | 0.9473 |
| Intercept | 223635                 | 73.3910  | 5.9185  | 235| 12.40   | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|------|---|
| visc   | 223635                 | 0.8189   | 1.4997       | 235| 0.55    | 0.5856 |
| Intercept | 224502              | 8.1608   | 5.7875       | 235| 1.41    | 0.1598 |
| visc   | 224502                 | -0.2182  | 1.5275       | 235| -0.14   | 0.8865 |
| Intercept | 226640              | -3.3779  | 5.8320       | 235| -0.58   | 0.5630 |
| visc   | 226640                 | 0.1239   | 1.5273       | 235| 0.08    | 0.9354 |
| Intercept | 229428              | 12.3837  | 5.8251       | 235| 2.13    | 0.0346 |
| visc   | 229428                 | -0.6848  | 1.5301       | 235| -0.45   | 0.6549 |
| Intercept | 229733              | -17.0435 | 5.8442       | 235| -2.92   | 0.0039 |
| visc   | 229733                 | -0.3965  | 1.5146       | 235| -0.26   | 0.7937 |
| Intercept | 232174              | 14.3338  | 6.3128       | 235| 2.27    | 0.0241 |
| visc   | 232174                 | 0.5059   | 1.5758       | 235| 0.32    | 0.7484 |
| Intercept | 234053              | 13.7783  | 5.8212       | 235| 2.37    | 0.0187 |
| visc   | 234053                 | 0.08323  | 1.5297       | 235| 0.05    | 0.9567 |
| Intercept | 234650              | -7.6621  | 5.8086       | 235| -1.32   | 0.1884 |
| visc   | 234650                 | 0.3768   | 1.5291       | 235| 0.25    | 0.8056 |
| Intercept | 234795              | 30.9234  | 7.5025       | 235| 4.12    | <.0001 |
| visc   | 234795                 | -0.3889  | 1.5368       | 235| -0.25   | 0.8004 |
| Intercept | 235752              | 12.3648  | 5.8855       | 235| 2.10    | 0.0367 |
| visc   | 235752                 | 0.05376  | 1.5342       | 235| 0.04    | 0.9721 |
| Intercept | 236202              | -27.2088 | 5.8337       | 235| -4.66   | <.0001 |
| visc   | 236202                 | -0.1421  | 1.5223       | 235| -0.09   | 0.9257 |
| Intercept | 237192              | 4.2641   | 5.8435       | 235| 0.73    | 0.4663 |
| visc   | 237192                 | 0.7701   | 1.5225       | 235| 0.51    | 0.6135 |
| Intercept | 239960              | -12.1890 | 5.8656       | 235| -2.08   | 0.0388 |
| visc   | 239960                 | -0.6469  | 1.5140       | 235| -0.43   | 0.6696 |
| Intercept | 241501              | 1.7368   | 5.9359       | 235| 0.29    | 0.7701 |
| visc   | 241501                 | 1.2469   | 1.4769       | 235| 0.84    | 0.3994 |
| Intercept | 242715              | 13.8159  | 5.8600       | 235| 2.36    | 0.0192 |
| visc   | 242715                 | -1.1631  | 1.5219       | 235| -0.76   | 0.4455 |
| Intercept | 243560              | 11.1695  | 5.8399       | 235| 1.91    | 0.0570 |
| visc   | 243560                 | -0.4435  | 1.5261       | 235| -0.29   | 0.7716 |
| Intercept | 243738              | -12.9280 | 5.8223       | 235| -2.22   | 0.0273 |
| visc   | 243738                 | -0.4577  | 1.5297       | 235| -0.30   | 0.7650 |
| Intercept | 244111              | 33.5006  | 5.8800       | 235| 5.70    | <.0001 |
| visc   | 244111                 | -0.2294  | 1.5081       | 235| -0.15   | 0.8792 |
The Mixed Procedure

Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|-----|---------|------|------|
| Intercept | 244831                   | 61.4392  | 5.8568       | 235 | 10.49   | <.0001 |
| visc    | 244831                   | -1.5355  | 1.5310       | 235 | -1.00   | 0.3166 |
| Intercept | 245990                   | 37.0284  | 5.8713       | 235 | 6.31    | <.0001 |
| visc    | 245990                   | 0.4352   | 1.5014       | 235 | 0.29    | 0.7722 |
| Intercept | 246620                   | 17.9268  | 5.8718       | 235 | 3.05    | 0.0025 |
| visc    | 246620                   | 0.7847   | 1.5218       | 235 | 0.52    | 0.6066 |
| Intercept | 247880                   | 18.0823  | 5.8799       | 235 | 3.08    | 0.0024 |
| visc    | 247880                   | -0.7522  | 1.5087       | 235 | -0.50   | 0.6185 |
| Intercept | 248712                   | -15.6888 | 5.8778       | 235 | -2.67   | 0.0081 |
| visc    | 248712                   | 0.1024   | 1.5215       | 235 | 0.07    | 0.9464 |
| Intercept | 250286                   | -22.3067 | 5.8636       | 235 | -3.80   | 0.0002 |
| visc    | 250286                   | 0.001035 | 1.5235       | 235 | 0.00    | 0.9995 |
| Intercept | 255765                   | 5.1880   | 5.8314       | 235 | 0.89    | 0.3746 |
| visc    | 255765                   | 0.7947   | 1.5282       | 235 | 0.52    | 0.6035 |
| Intercept | 256171                   | -8.0270  | 5.7758       | 235 | -1.39   | 0.1659 |
| visc    | 256171                   | -0.03103 | 1.5366       | 235 | -0.02   | 0.9839 |
| Intercept | 258950                   | -15.3260 | 7.2558       | 235 | -2.11   | 0.0357 |
| visc    | 258950                   | -0.02323 | 1.6155       | 235 | -0.01   | 0.9885 |
| Intercept | 259940                   | 22.8925  | 9.5792       | 235 | 2.39    | 0.0176 |
| visc    | 259940                   | 0        | 1.6270       | 235 | 0.00    | 1.0000 |
| Intercept | 263617                   | -6.1235  | 5.8456       | 235 | -1.05   | 0.2959 |
| visc    | 263617                   | 0.09256  | 1.5264       | 235 | 0.06    | 0.9517 |
| Intercept | 264225                   | 57.4979  | 5.8476       | 235 | 9.83    | <.0001 |
| visc    | 264225                   | 0.7858   | 1.5206       | 235 | 0.52    | 0.6058 |
| Intercept | 264348                   | 88.0580  | 5.8203       | 235 | 15.13   | <.0001 |
| visc    | 264348                   | -2.8030  | 1.5286       | 235 | -1.83   | 0.0680 |
| Intercept | 265171                   | 16.1658  | 5.8402       | 235 | 2.77    | 0.0061 |
| visc    | 265171                   | 0.08478  | 1.5260       | 235 | 0.06    | 0.9557 |
| Intercept | 268455                   | -19.4019 | 5.8770       | 235 | -3.30   | 0.0011 |
| visc    | 268455                   | -0.3995  | 1.5222       | 235 | -0.26   | 0.7932 |
| Intercept | 271043                   | 38.7552  | 5.8454       | 235 | 6.63    | <.0001 |
| visc    | 271043                   | 0.8412   | 1.5051       | 235 | 0.56    | 0.5768 |
| Intercept | 271460                   | -1.3058  | 5.8261       | 235 | -0.22   | 0.8228 |
| visc    | 271460                   | -0.1628  | 1.5273       | 235 | -0.11   | 0.9152 |
| Intercept | 271662                   | 0.5242   | 7.2505       | 235 | 0.07    | 0.9424 |
## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|-------|
| visc   | 271662                 | 0.1484   | 1.6173  | 235     | 0.09    | 0.9270 |
| Intercept | 271684             | 49.0311  | 5.8670  | 235     | 8.36    | <.0001 |
| visc   | 271684                 | -0.5730  | 1.5202  | 235     | -0.38   | 0.7066 |
| Intercept | 273214            | 5.3112   | 5.7733  | 235     | 0.92    | 0.3585 |
| visc   | 273214                 | 0.1603   | 1.5371  | 235     | 0.10    | 0.9170 |
| Intercept | 273225            | -10.4263 | 7.3637  | 235     | -1.42   | 0.1581 |
| visc   | 273225                 | -0.2037  | 1.5809  | 235     | -0.13   | 0.8976 |
| Intercept | 277490            | 16.4729  | 5.8505  | 235     | 2.82    | 0.0053 |
| visc   | 277490                 | -0.8982  | 1.5217  | 235     | -0.59   | 0.5556 |
| Intercept | 281000             | 15.1206  | 5.8157  | 235     | 2.60    | 0.0099 |
| visc   | 281000                 | 0.05498  | 1.5290  | 235     | 0.04    | 0.9713 |
| Intercept | 281977            | 0.1460   | 5.8417  | 235     | 0.03    | 0.9801 |
| visc   | 281977                 | -0.8402  | 1.5254  | 235     | -0.55   | 0.5823 |
| Intercept | 283722            | 44.2205  | 5.8189  | 235     | 7.60    | <.0001 |
| visc   | 283722                 | -0.6934  | 1.5247  | 235     | -0.45   | 0.6497 |
| Intercept | 283935            | -17.1939 | 6.3025  | 235     | -2.73   | 0.0069 |
| visc   | 283935                 | -0.2957  | 1.5768  | 235     | -0.19   | 0.8514 |
| Intercept | 285601            | -3.7377  | 5.8486  | 235     | -0.64   | 0.5234 |
| visc   | 285601                 | -0.2614  | 1.5256  | 235     | -0.17   | 0.8641 |
| Intercept | 286095            | 7.5609   | 5.8342  | 235     | 1.30    | 0.1963 |
| visc   | 286095                 | 0.000653 | 1.5259  | 235     | 0.00    | 0.9997 |
| Intercept | 290336            | 26.7934  | 5.8773  | 235     | 4.56    | <.0001 |
| visc   | 290336                 | 1.0170   | 1.5214  | 235     | 0.67    | 0.5045 |
| Intercept | 292362            | -16.4076 | 5.9085  | 235     | -2.78   | 0.0059 |
| visc   | 292362                 | -0.8873  | 1.5163  | 235     | -0.59   | 0.5590 |
| Intercept | 293317            | -20.0057 | 5.8099  | 235     | -3.44   | 0.0007 |
| visc   | 293317                 | -0.2115  | 1.5206  | 235     | -0.14   | 0.8895 |
| Intercept | 293598            | 34.2377  | 6.2931  | 235     | -5.44   | <.0001 |
| visc   | 293598                 | -0.6537  | 1.5819  | 235     | -0.41   | 0.6798 |
| Intercept | 294105            | -23.8736 | 6.4190  | 235     | -3.72   | 0.0002 |
| visc   | 294105                 | -0.3945  | 1.5294  | 235     | -0.26   | 0.7967 |
| Intercept | 294511            | 44.2341  | 5.8563  | 235     | 7.55    | <.0001 |
| visc   | 294511                 | 0.1156   | 1.5234  | 235     | 0.08    | 0.9396 |
| Intercept | 295106            | 18.5181  | 5.8530  | 235     | 3.16    | 0.0018 |
| visc   | 295106                 | 0.06591  | 1.5164  | 235     | 0.04    | 0.9654 |
### Solution for Random Effects

| Effect  | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|---------|-----------------------|----------|--------------|-----|---------|------|---|
| Intercept | 295940                | -10.3429 | 5.8202       | 235 | -1.78   | 0.0768 |
| visc    | 295940                | -0.7119  | 1.5230       | 235 | -0.47   | 0.6406 |
| Intercept | 298515                | -22.8923 | 5.8212       | 235 | -3.93   | 0.0001 |
| visc    | 298515                | 0.3048   | 1.5277       | 235 | 0.20    | 0.8420 |
| Intercept | 299663                | -16.3977 | 5.8706       | 235 | -2.79   | 0.0056 |
| visc    | 299663                | -1.0118  | 1.5128       | 235 | -0.67   | 0.5043 |
| Intercept | 300641                | -7.0306  | 5.8235       | 235 | -1.21   | 0.2285 |
| visc    | 300641                | 0.09867  | 1.5265       | 235 | 0.06    | 0.9485 |
| Intercept | 300696                | -22.4713 | 5.8372       | 235 | -3.85   | 0.0002 |
| visc    | 300696                | 0.4215   | 1.5247       | 235 | 0.28    | 0.7824 |
| Intercept | 301157                | -28.6612 | 5.8266       | 235 | -4.92   | <.0001 |
| visc    | 301157                | 0.3024   | 1.5276       | 235 | 0.20    | 0.8432 |
| Intercept | 301372                | -4.5728  | 5.8170       | 235 | -0.79   | 0.4326 |
| visc    | 301372                | 0.7551   | 1.5307       | 235 | 0.49    | 0.6223 |
| Intercept | 303868                | 15.9180  | 5.8474       | 235 | 2.72    | 0.0070 |
| visc    | 303868                | -0.1882  | 1.5216       | 235 | -0.12   | 0.9017 |
| Intercept | 304860                | -16.5444 | 5.8199       | 235 | -2.84   | 0.0049 |
| visc    | 304860                | 0.2690   | 1.5287       | 235 | 0.18    | 0.8605 |
| Intercept | 306546                | -18.0535 | 5.8462       | 235 | -3.09   | 0.0023 |
| visc    | 306546                | 0.1891   | 1.5247       | 235 | 0.12    | 0.9014 |
| Intercept | 312317                | 25.6267  | 5.8148       | 235 | 4.41    | <.0001 |
| visc    | 312317                | -0.5415  | 1.5315       | 235 | -0.35   | 0.7240 |
| Intercept | 313195                | -0.6581  | 5.8461       | 235 | -0.11   | 0.9105 |
| visc    | 313195                | -0.4444  | 1.5219       | 235 | -0.29   | 0.7705 |
| Intercept | 313307                | -17.0098 | 5.8287       | 235 | -2.92   | 0.0039 |
| visc    | 313307                | 0.1063   | 1.5274       | 235 | 0.07    | 0.9446 |
| Intercept | 313893                | -4.1483  | 5.8271       | 235 | -0.71   | 0.4772 |
| visc    | 313893                | 0.2231   | 1.5291       | 235 | 0.15    | 0.8841 |
| Intercept | 316110                | 1.3923   | 5.8283       | 235 | 0.24    | 0.8114 |
| visc    | 316110                | 0.5196   | 1.5287       | 235 | 0.34    | 0.7342 |
| Intercept | 318562                | -10.8196 | 5.8212       | 235 | -1.86   | 0.0643 |
| visc    | 318562                | -0.03651 | 1.5331       | 235 | -0.02   | 0.9810 |
| Intercept | 320182                | -7.0751  | 5.8471       | 235 | -1.21   | 0.2275 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|-------|
|        |                         |          |              |    |         |       |
| visc   | 320182                 | -0.5517  | 1.5238       | 235| -0.36   | 0.7176|
| Intercept | 320957              | 10.7324  | 5.8242       | 235| 1.84    | 0.0666|
| visc   | 320957                 | 0.6814   | 1.5277       | 235| 0.45    | 0.6560|
| Intercept | 321611              | -28.6912 | 9.5792       | 235| -3.00   | 0.0030|
| visc   | 321611                 | 0        | 1.6270       | 235| 0.00    | 1.0000|
| Intercept | 323837              | 0.6814   | 1.5277       | 235| 0.45    | 0.6560|
| Intercept | 323837              | -27.1775 | 5.8213       | 235| -4.67   | <.0001|
| visc   | 325290                 | -0.02201 | 1.5278       | 235| -0.01   | 0.9885|
| Intercept | 327055              | -5.6136  | 5.8121       | 235| -0.97   | 0.3351|
| visc   | 327055                 | 0.7757   | 1.5319       | 235| 0.51    | 0.6131|
| Intercept | 327325              | -9.0526  | 5.8429       | 235| -1.55   | 0.1226|
| visc   | 327325                 | 0.4323   | 1.5268       | 235| 0.28    | 0.7773|
| Intercept | 327933              | -18.4197 | 5.8257       | 235| -3.16   | 0.0018|
| visc   | 327933                 | -0.09585 | 1.5278       | 235| -0.06   | 0.9500|
| Intercept | 331318              | 7.0802   | 5.8337       | 235| 1.21    | 0.2261|
| visc   | 331318                 | 0.3724   | 1.5276       | 235| 0.24    | 0.8076|
| Intercept | 333524              | -26.1140 | 5.8281       | 235| -4.48   | <.0001|
| visc   | 333524                 | 0.1695   | 1.5275       | 235| 0.11    | 0.9117|
| Intercept | 334672              | -8.8319  | 5.8755       | 235| -1.50   | 0.1341|
| visc   | 334672                 | -0.3215  | 1.5077       | 235| -0.21   | 0.8313|
| Intercept | 336167              | 4.0129   | 5.7590       | 235| 0.70    | 0.4866|
| visc   | 336167                 | 0.1335   | 1.5465       | 235| 0.09    | 0.9313|
| Intercept | 336843              | -12.1319 | 5.8287       | 235| -2.08   | 0.0385|
| visc   | 336843                 | 0.1882   | 1.5274       | 235| 0.12    | 0.9020|
| Intercept | 337315              | 11.0303  | 5.8229       | 235| 1.89    | 0.0594|
| visc   | 337315                 | 0.5248   | 1.5288       | 235| 0.34    | 0.7317|
| Intercept | 342131              | 1.2054   | 5.8340       | 235| 0.21    | 0.8365|
| visc   | 342131                 | -0.3937  | 1.5234       | 235| -0.26   | 0.7963|
| Intercept | 343097              | -30.1102 | 5.8355       | 235| -5.16   | <.0001|
| visc   | 343097                 | -0.6349  | 1.5262       | 235| -0.42   | 0.6778|
| Intercept | 343233              | 21.1005  | 5.8161       | 235| 3.63    | 0.0004|
| visc   | 343233                 | 1.3251   | 1.5325       | 235| 0.86    | 0.3881|
| Intercept | 354494              | -10.7608 | 6.5425       | 235| -1.64   | 0.1014|
| visc   | 354494                 | 0.3158   | 1.5307       | 235| 0.21    | 0.8367|
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|------|-----|
| Intercept | 358230 | -19.5687 | 5.8347 | 235 | -3.35 | 0.0009 |
| visc | 358230 | -0.2265 | 1.5288 | 235 | -0.15 | 0.8823 |
| Intercept | 359308 | 4.1433 | 5.8352 | 235 | 0.71 | 0.4784 |
| visc | 359308 | 0.1808 | 1.5264 | 235 | 0.12 | 0.9058 |
| Intercept | 364664 | -13.0826 | 5.8292 | 235 | -2.24 | 0.0257 |
| visc | 364664 | 0.1460 | 1.5261 | 235 | 0.10 | 0.9238 |
| Intercept | 367836 | -23.9513 | 5.8097 | 235 | -4.12 | <.0001 |
| visc | 367836 | -0.7090 | 1.5286 | 235 | -0.46 | 0.6432 |
| Intercept | 368973 | 2.0594 | 6.2699 | 235 | 0.33 | 0.7429 |
| visc | 368973 | 0.06143 | 1.5264 | 235 | 0.12 | 0.9058 |
| Intercept | 369941 | -2.4963 | 6.3880 | 235 | -0.39 | 0.6963 |
| visc | 369941 | 0.03767 | 1.5332 | 235 | 0.10 | 0.9197 |
| Intercept | 370942 | 7.5146 | 6.2626 | 235 | 1.20 | 0.2314 |
| visc | 370942 | 0.3188 | 1.5860 | 235 | 0.20 | 0.8409 |
| Intercept | 371021 | 0.7394 | 5.8297 | 235 | 0.13 | 0.8992 |
| visc | 371021 | 0.6777 | 1.5271 | 235 | 0.44 | 0.6576 |
| Intercept | 374687 | -4.4796 | 5.8191 | 235 | -0.77 | 0.4422 |
| visc | 374687 | -0.2094 | 1.5312 | 235 | -0.14 | 0.8913 |
| Intercept | 376004 | -32.1270 | 5.8226 | 235 | -5.52 | <.0001 |
| visc | 376004 | -0.2132 | 1.5290 | 235 | -0.14 | 0.8892 |
| Intercept | 376252 | -5.7751 | 5.8140 | 235 | -0.99 | 0.3216 |
| visc | 376252 | 0.1666 | 1.5327 | 235 | 0.11 | 0.9136 |
| Intercept | 380166 | 0.3440 | 5.8075 | 235 | 0.06 | 0.9528 |
| visc | 380166 | 0.03028 | 1.5313 | 235 | 0.02 | 0.9842 |
| Intercept | 380998 | -3.4476 | 5.8291 | 235 | -0.59 | 0.5548 |
| visc | 380998 | 0.01660 | 1.5266 | 235 | 0.01 | 0.9913 |
| Intercept | 383193 | -3.1516 | 5.8253 | 235 | -0.54 | 0.5890 |
| visc | 383193 | 0.5288 | 1.5264 | 235 | 0.35 | 0.7293 |
| Intercept | 383744 | -10.6776 | 5.8568 | 235 | -1.82 | 0.0696 |
| visc | 383744 | -0.04165 | 1.5215 | 235 | -0.03 | 0.9782 |
| Intercept | 385151 | 7.0469 | 6.2678 | 235 | 1.12 | 0.2620 |
| visc | 385151 | 0.09182 | 1.5842 | 235 | 0.06 | 0.9538 |
| Intercept | 386040 | -39.1883 | 5.8594 | 235 | -6.69 | <.0001 |
## Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|-----|---------|-------|---|
| visc   | 386040                 | -0.6816  | 1.5163       | 235 | -0.45   | 0.6535 |
| Interception | 386488              | -15.7972 | 5.8296       | 235 | -2.71   | 0.0072 |
| visc   | 386488                | 0.1853   | 1.5290       | 235 | 0.12    | 0.9036 |
| Interception | 386758              | -5.6267  | 5.8461       | 235 | -0.96   | 0.3368 |
| visc   | 386758                | 0.3320   | 1.5219       | 235 | 0.22    | 0.8275 |
| Interception | 387658              | -7.2596  | 5.8413       | 235 | -1.24   | 0.2152 |
| visc   | 387658                | 0.1829   | 1.5240       | 235 | 0.12    | 0.9046 |
| Interception | 392316              | -6.2026  | 5.8341       | 235 | -1.06   | 0.2888 |
| visc   | 392316                | -0.03217 | 1.5250       | 235 | -0.02   | 0.9832 |
| Interception | 393936              | -21.7340 | 5.8308       | 235 | -3.73   | 0.0002 |
| visc   | 393936                | 0.2773   | 1.5270       | 235 | 0.18    | 0.8560 |
| Interception | 394588              | -34.2754 | 5.7974       | 235 | -5.91   | <.0001 |
| visc   | 394588                | -0.07416 | 1.5355       | 235 | -0.05   | 0.9615 |
| Interception | 397661              | -37.1794 | 5.8290       | 235 | -6.38   | <.0001 |
| visc   | 397661                | -0.2142  | 1.5272       | 235 | -0.14   | 0.8886 |
| Interception | 397931              | -13.7865 | 7.5025       | 235 | -1.84   | 0.0674 |
| visc   | 397931                | 0.5729   | 1.5368       | 235 | 0.37    | 0.7097 |

## Type 3 Tests of Fixed Effects

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The GLM Procedure

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Number of observations 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
### The GLM Procedure

Dependent Variable: slope

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| Intercept       | -3.058399397 | 2.14863559     | -1.42   | 0.1579    |
| sex Female      | 0.283437311 | 0.18538990     | 1.53    | 0.1297    |
| sex Male        | 0.000000000 | .              | .       | .     |
| hdyn N          | 0.000958085 | 0.14459358     | 0.01    | 0.9947    |
| hdyn Y          | 0.000000000 | .              | .       | .     |
| age             | 0.017165831 | 0.00818630     | 2.10    | 0.0387    |
| lrbf            | 0.793687651 | 0.58309607     | 1.36    | 0.1767    |
| bmi_c           | 0.006961285 | 0.01355935     | 0.51    | 0.6089    |
| mrcpts          | -0.009147022 | 0.00464558     | -1.97   | 0.0519    |
| urine24_c       | -0.000055403 | 0.00006230     | -0.89   | 0.3761    |
| esode_cc        | 0.000693781 | 0.00093173     | 0.74    | 0.4584    |
| lalbe_ca        | 0.063359605 | 0.15413193     | 0.41    | 0.6820    |
**The GLM Procedure**

**Dependent Variable: slope**

| Parameter  | Estimate    | Standard Error | t Value | Pr > |t| |
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| lpldle_ca  | 0.000728757 | 0.00179350     | 0.41    | 0.6854 |
| lphdle_ca  | -0.004481665| 0.00624424     | -0.72   | 0.4747  |
| surice_ca  | 0.071844207 | 0.07557828     | 0.95    | 0.3442  |

NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### The GLM Procedure

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### The GLM Procedure

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Log10 Kidney Volume

The Mixed Procedure

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Class Level Information

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Dimensions

| Covariance Parameters | 3 |
| Columns in X          | 2 |
| Columns in Z Per Subject | 2 |
| Subjects              | 131 |
| Max Obs Per Subject   | 491 |
| Observations Used     | 4 |
| Observations Not Used | 33 |
| Total Observations    | 524 |

Iteration History

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The Mixed Procedure

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Convergence criteria met.

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## Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|----|---------|------|---|
| Intercept | 200922 | -0.02673 | 0.02467 | 231 | -1.08 | 0.2799 | |
| Intercept | 201800 | 0.5160 | 0.02492 | 231 | 20.71 | <.0001 | |
| Intercept | 201877 | -0.05669 | 0.02484 | 231 | -2.28 | 0.0234 | |
| Intercept | 203328 | 0.08394 | 0.02505 | 231 | 3.35 | 0.0009 | |
| Intercept | 204555 | 0.1151 | 0.02482 | 231 | 4.64 | <.0001 | |
| Intercept | 205758 | 0.03994 | 0.02478 | 231 | 1.61 | 0.1085 | |
| Intercept | 206816 | -0.01152 | 0.02486 | 231 | -0.46 | 0.6436 | |
| Intercept | 208280 | -0.1565 | 0.02486 | 231 | -6.29 | <.0001 | |
| Intercept | 208324 | -0.04840 | 0.02484 | 231 | -1.95 | 0.0526 | |
| Intercept | 209281 | -0.1566 | 0.02497 | 231 | -6.27 | <.0001 | |
| Intercept | 213454 | -0.3052 | 0.02486 | 231 | -12.27 | <.0001 | |
| Intercept | 214376 | -0.05531 | 0.02490 | 231 | -2.22 | 0.0273 | |
| Intercept | 215052 | -0.2103 | 0.02502 | 231 | -8.40 | <.0001 | |
| Intercept | 216086 | 0.5045 | 0.02491 | 231 | 20.26 | <.0001 | |
| Intercept | 220068 | 0.5601 | 0.02486 | 231 | 22.53 | <.0001 | |
| Intercept | 223343 | 0.08219 | 0.02481 | 231 | 3.31 | 0.0011 | |
| Intercept | 223534 | 0.1343 | 0.02507 | 231 | 5.36 | <.0001 | |
| Intercept | 223635 | -0.09883 | 0.02486 | 231 | -3.98 | <.0001 | |
## The Mixed Procedure

**Solution for Random Effects**

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|-------|----------|
| visc   | 223635                 | -0.00735 | 0.006161| 233     | -1.19   | 0.2341 |
| Intercept | 224502            | -0.1396  | 0.02461 | 233     | -5.67   | <.0001 |
| visc   | 224502                 | 0.001627 | 0.006840| 233     | 0.24    | 0.8123 |
| Intercept | 226640            | 0.08752  | 0.02485 | 233     | 3.52    | 0.0005 |
| visc   | 226640                 | -0.00374 | 0.006860| 233     | -0.55   | 0.5859 |
| Intercept | 229428            | 0.007870 | 0.02486 | 233     | 0.32    | 0.7518 |
| visc   | 229428                 | -0.02038 | 0.006944| 233     | -2.94   | 0.0037 |
| Intercept | 229733            | 0.1192   | 0.02472 | 233     | 4.82    | <.0001 |
| visc   | 229733                 | -0.00430 | 0.006500| 233     | -0.66   | 0.5089 |
| Intercept | 232174            | -0.2237  | 0.02523 | 233     | -8.87   | <.0001 |
| visc   | 232174                 | -0.00256 | 0.008843| 233     | -0.29   | 0.7729 |
| Intercept | 234053            | 0.2531   | 0.02483 | 233     | 10.19   | <.0001 |
| visc   | 234053                 | 0.02180  | 0.006927| 233     | 3.15    | 0.0019 |
| Intercept | 234650            | -0.00224 | 0.02475 | 233     | -0.09   | 0.9279 |
| visc   | 234650                 | 0.01610  | 0.006903| 233     | 2.33    | 0.0206 |
| Intercept | 234795            | -0.3401  | 0.02640 | 233     | -12.88  | <.0001 |
| visc   | 234795                 | 0.000811 | 0.007157| 233     | 0.11    | 0.9098 |
| Intercept | 235752            | -0.08131 | 0.02528 | 233     | -3.22   | 0.0015 |
| visc   | 235752                 | -0.00001 | 0.007115| 233     | -0.00   | 0.9985 |
| Intercept | 236202            | 0.3863   | 0.02478 | 233     | 15.59   | <.0001 |
| visc   | 236202                 | -0.00833 | 0.006710| 233     | -1.24   | 0.2157 |
| Intercept | 237192            | 0.2643   | 0.02483 | 233     | 10.64   | <.0001 |
| visc   | 237192                 | 0.02610  | 0.006721| 233     | 3.88    | 0.0001 |
| Intercept | 239960            | 0.02847  | 0.02481 | 233     | 1.15    | 0.2524 |
| visc   | 239960                 | -0.00658 | 0.006493| 233     | -1.01   | 0.3122 |
| Intercept | 241501            | -0.3167  | 0.02465 | 233     | -12.85  | <.0001 |
| visc   | 241501                 | -0.01659 | 0.005688| 233     | -2.92   | 0.0039 |
| Intercept | 242715            | -0.1031  | 0.02491 | 233     | -4.14   | <.0001 |
| visc   | 242715                 | -0.01876 | 0.006712| 233     | -2.80   | 0.0056 |
| Intercept | 243560            | -0.3463  | 0.02504 | 233     | -13.83  | <.0001 |
| visc   | 243560                 | -0.00261 | 0.009287| 233     | -0.28   | 0.7787 |
| Intercept | 243738            | 0.2669   | 0.02498 | 233     | 10.69   | <.0001 |
| visc   | 243738                 | 0.01075  | 0.009324| 233     | 1.15    | 0.2500 |
| Intercept | 244111            | -0.1643  | 0.02480 | 233     | -6.63   | <.0001 |
| visc   | 244111                 | 0.01913  | 0.006348| 233     | 3.01    | 0.0029 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate  | Std Err | Pred DF | t Value | Pr > |t| |
|--------|-----------------------|-----------|---------|---------|---------|-------|-----|
| Intercept | 244831 | -0.2607 | 0.02503 | 231 | -10.41 | <.0001 |
| Intercept | 245990 | -0.2987 | 0.02467 | 231 | -12.11 | <.0001 |
| Intercept | 246620 | -0.3654 | 0.02497 | 231 | -14.64 | <.0001 |
| Intercept | 247880 | -0.2245 | 0.02480 | 231 | -9.05 | <.0001 |
| Intercept | 245990 | -0.00539 | 0.006960 | 231 | -0.77 | 0.4395 |
| Intercept | 247780 | -0.02124 | 0.006181 | 231 | -3.44 | 0.0007 |
| Intercept | 248712 | -0.00898 | 0.006954 | 231 | -1.29 | 0.1979 |
| Intercept | 249940 | -0.1574 | 0.02486 | 231 | -6.33 | <.0001 |
| Intercept | 250286 | 0.08531 | 0.02508 | 231 | 3.40 | 0.0008 |
| Intercept | 251171 | -0.1350 | 0.02469 | 231 | -5.47 | <.0001 |
| Intercept | 255765 | -0.1574 | 0.02486 | 231 | -6.33 | <.0001 |
| Intercept | 252086 | 0.08531 | 0.02508 | 231 | 3.40 | 0.0008 |
| Intercept | 252086 | -0.00539 | 0.006960 | 231 | -0.77 | 0.4395 |
| Intercept | 253765 | 0.008371 | 0.006887 | 231 | 1.22 | 0.2254 |
| Intercept | 255940 | -0.2146 | 0.02702 | 231 | -7.94 | <.0001 |
| Intercept | 259940 | -0.2084 | 0.02491 | 231 | -8.37 | <.0001 |
| Intercept | 263617 | -0.00190 | 0.007130 | 231 | -0.27 | 0.7904 |
| Intercept | 264225 | -0.03283 | 0.02482 | 231 | -1.32 | 0.1873 |
| Intercept | 264348 | -0.1176 | 0.02481 | 231 | -4.74 | <.0001 |
| Intercept | 265171 | -0.3899 | 0.02487 | 231 | -15.68 | <.0001 |
| Intercept | 268455 | 0.3496 | 0.02500 | 231 | 13.98 | <.0001 |
| Intercept | 271043 | -0.2131 | 0.02484 | 231 | -8.58 | <.0001 |
| Intercept | 271460 | -0.2407 | 0.02482 | 231 | -9.70 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|----|---------|-------|---|
| visc   | 271662                | 0.005814 | 0.01277      | 231| 0.46    | 0.6494 |
| Intercept | 271684           | -0.2608  | 0.02492      | 231| -10.47  | <.0001 |
| visc   | 271684                | 0.02401  | 0.006665     | 231| 3.60    | 0.0004 |
| Intercept | 273214           | 0.1034   | 0.02468      | 231| 4.19    | <.0001 |
| visc   | 273214                | 0.004299 | 0.007145     | 231| 0.60    | 0.5480 |
| Intercept | 273225           | 0.1840   | 0.02597      | 231| 7.08    | <.0001 |
| visc   | 273225                | 0.01359  | 0.006920     | 231| 1.96    | 0.0507 |
| Intercept | 277490           | -0.1518  | 0.02497      | 231| -6.08   | <.0001 |
| visc   | 277490                | 0.02738  | 0.006915     | 231| 3.96    | 0.0001 |
| Intercept | 281000           | 0.003341 | 0.02479      | 231| 0.13    | 0.8929 |
| visc   | 281000                | 0.005426 | 0.006904     | 231| 0.79    | 0.4327 |
| Intercept | 281977           | 0.08993  | 0.02487      | 231| 3.62    | 0.0004 |
| visc   | 281977                | 0.01912  | 0.006807     | 231| 2.81    | 0.0054 |
| Intercept | 283722           | 0.03461  | 0.02474      | 231| 1.40    | 0.1631 |
| visc   | 283722                | -0.01362 | 0.006774     | 231| -2.01   | 0.0455 |
| Intercept | 283935           | -0.01084 | 0.02516      | 231| -0.43   | 0.6669 |
| visc   | 283935                | 0.003812 | 0.008891     | 231| 0.43    | 0.6685 |
| Intercept | 285601           | 0.5115   | 0.02491      | 231| 20.53   | <.0001 |
| visc   | 285601                | -0.00366 | 0.006817     | 231| -0.54   | 0.5915 |
| Intercept | 286095           | -0.06651 | 0.02484      | 231| -2.68   | 0.0079 |
| visc   | 286095                | -0.00706 | 0.006817     | 231| -1.04   | 0.3016 |
| Intercept | 290336           | -0.1515  | 0.02499      | 231| -6.06   | <.0001 |
| visc   | 290336                | -0.01187 | 0.006707     | 231| -1.77   | 0.0781 |
| Intercept | 292362           | 0.2939   | 0.02506      | 231| 11.73   | <.0001 |
| visc   | 292362                | 0.02577  | 0.006577     | 231| 3.92    | 0.0001 |
| Intercept | 293317           | 0.4163   | 0.02463      | 231| 16.90   | <.0001 |
| visc   | 293317                | 0.01649  | 0.006649     | 231| 2.48    | 0.0139 |
| Intercept | 293598           | 0.4937   | 0.02520      | 231| 19.59   | <.0001 |
| visc   | 293598                | -0.00879 | 0.009221     | 231| -0.95   | 0.3414 |
| Intercept | 294105           | 0.03988  | 0.02513      | 231| 1.59    | 0.1139 |
| visc   | 294105                | -0.01120 | 0.006898     | 231| -1.62   | 0.1057 |
| Intercept | 294511           | -0.2563  | 0.02491      | 231| -10.29  | <.0001 |
| visc   | 294511                | 0.008826 | 0.006752     | 231| 1.31    | 0.1925 |
| Intercept | 295106           | -0.2298  | 0.02479      | 231| -9.27   | <.0001 |
| visc   | 295106                | -0.00621 | 0.006552     | 231| -0.95   | 0.3439 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|------|---|
| Intercept | 295940 | 0.2856 | 0.02472 | 231 | 11.56 | <.0001 |
| Visc  | 295940 | -0.00221 | 0.006724 | 231 | -0.33 | 0.7431 |
| Intercept | 298515 | 0.2359 | 0.02480 | 231 | 9.51 | <.0001 |
| Visc  | 298515 | 0.008885 | 0.006866 | 231 | 1.29 | 0.1969 |
| Intercept | 299663 | -0.3484 | 0.02482 | 231 | -14.04 | <.0001 |
| Visc  | 299663 | -0.03660 | 0.006463 | 231 | -5.66 | <.0001 |
| Intercept | 300641 | -0.2071 | 0.02479 | 231 | -8.35 | <.0001 |
| Visc  | 300641 | 0.005302 | 0.006829 | 231 | 0.78 | 0.4383 |
| Intercept | 300696 | 0.07763 | 0.02483 | 231 | 3.13 | 0.0020 |
| Visc  | 300696 | -0.00379 | 0.006463 | 231 | -0.56 | 0.5771 |
| Intercept | 300911 | 0.1377 | 0.02500 | 231 | 5.51 | <.0001 |
| Visc  | 300911 | 0.007269 | 0.006782 | 231 | 0.77 | 0.4408 |
| Intercept | 301157 | 0.2460 | 0.02482 | 231 | 9.91 | <.0001 |
| Visc  | 301157 | 0.005070 | 0.006865 | 231 | 0.74 | 0.4610 |
| Intercept | 301372 | 0.01366 | 0.02482 | 231 | 0.55 | 0.5827 |
| Visc  | 301372 | 0.02455 | 0.006957 | 231 | 3.53 | 0.0005 |
| Intercept | 303868 | -0.5037 | 0.02484 | 231 | -20.28 | <.0001 |
| Visc  | 303868 | 0.002772 | 0.006696 | 231 | 0.41 | 0.6793 |
| Intercept | 304860 | 0.2677 | 0.02481 | 231 | 10.79 | <.0001 |
| Visc  | 304860 | 0.002729 | 0.006896 | 231 | 0.40 | 0.6927 |
| Intercept | 306546 | -0.2132 | 0.02488 | 231 | -8.57 | <.0001 |
| Visc  | 306546 | 0.002239 | 0.006787 | 231 | 0.33 | 0.7418 |
| Intercept | 312317 | -0.2598 | 0.02483 | 231 | -10.47 | <.0001 |
| Visc  | 312317 | 0.01914 | 0.006982 | 231 | 2.74 | 0.0066 |
| Intercept | 313195 | 0.3278 | 0.02483 | 231 | 13.20 | <.0001 |
| Visc  | 313195 | 0.005580 | 0.006703 | 231 | 0.83 | 0.4060 |
| Intercept | 313307 | 0.01660 | 0.02483 | 231 | 0.67 | 0.5044 |
| Visc  | 313307 | 0.01788 | 0.006859 | 231 | 2.61 | 0.0097 |
| Intercept | 313893 | -0.2384 | 0.02485 | 231 | -9.59 | <.0001 |
| Visc  | 313893 | -0.01417 | 0.006914 | 231 | -2.05 | 0.0416 |
| Intercept | 316110 | -0.08164 | 0.02485 | 231 | -3.28 | 0.0012 |
| Visc  | 316110 | -0.01169 | 0.006900 | 231 | -1.69 | 0.0916 |
| Intercept | 318562 | -0.3113 | 0.02489 | 231 | -12.51 | <.0001 |
| Visc  | 318562 | -0.01489 | 0.007040 | 231 | -2.12 | 0.0355 |
| Intercept | 320182 | 0.1061 | 0.02487 | 231 | 4.27 | <.0001 |
## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|-----------------------|----------|---------|---------|---------|------|-----|
| visc   | 320182                | -0.03069 | 0.006760| 231     | -4.54   | <.0001|
| Intercept | 320957            | -0.3876  | 0.02481 | 231     | -15.62  | <.0001|
| visc   | 320957                | -0.01232 | 0.006868| 231     | -1.79   | 0.0741|
| Intercept | 321611            | 0.2871   | 0.02702 | 231     | 10.62   | <.0001|
| visc   | 321611                | 0        | 0.01473 | 231     | 0.00    | 1.0000|
| Intercept | 323837            | -0.03597 | 0.02492 | 231     | -1.44   | 0.1503|
| visc   | 323837                | -0.00223 | 0.006728| 231     | -0.33   | 0.7410|
| Intercept | 325290            | -0.1896  | 0.02480 | 231     | 7.64    | <.0001|
| visc   | 325290                | -0.00341 | 0.006993| 231     | -0.49   | 0.6262|
| Intercept | 327325            | -0.08131 | 0.02490 | 231     | -3.27   | 0.0013|
| visc   | 327325                | -0.00740 | 0.006851| 231     | -1.08   | 0.2810|
| Intercept | 327933            | -0.1896  | 0.02482 | 231     | -7.64   | <.0001|
| visc   | 327933                | 0.006680 | 0.006872| 231     | 0.97    | 0.3320|
| Intercept | 331318            | -0.3577  | 0.02486 | 231     | -14.39  | <.0001|
| visc   | 331318                | -0.01072 | 0.006870| 231     | -1.56   | 0.1199|
| Intercept | 333524            | 0.5390   | 0.02483 | 231     | 21.71   | <.0001|
| visc   | 333524                | 0.003983 | 0.006862| 231     | 0.58    | 0.5621|
| Intercept | 334672            | 0.2932   | 0.02477 | 231     | 11.84   | <.0001|
| visc   | 334672                | -0.00830 | 0.006335| 231     | -1.31   | 0.1913|
| Intercept | 336167            | -0.09955 | 0.02477 | 231     | -4.02   | <.0001|
| visc   | 336167                | 0.004283 | 0.007481| 231     | 0.57    | 0.5675|
| Intercept | 336843            | -0.09536 | 0.02483 | 231     | -3.84   | 0.0002|
| visc   | 336843                | 0.002510 | 0.006859| 231     | 0.37    | 0.7147|
| Intercept | 337315            | -0.00596 | 0.02483 | 231     | -0.24   | 0.8105|
| visc   | 337315                | -0.00237 | 0.006901| 231     | -0.34   | 0.7311|
| Intercept | 342131            | -0.00155 | 0.02480 | 231     | -0.06   | 0.9503|
| visc   | 342131                | 0.007208 | 0.006743| 231     | 1.07    | 0.2862|
| Intercept | 343097            | 0.2477   | 0.02485 | 231     | 9.97    | <.0001|
| visc   | 343097                | 0.02409  | 0.006828| 231     | 3.53    | 0.0005|
| Intercept | 343233            | 0.1801   | 0.02485 | 231     | 7.25    | <.0001|
| visc   | 343233                | 0.01271  | 0.007016| 231     | 1.81    | 0.0713|
| Intercept | 354494            | -0.1472  | 0.02593 | 231     | -5.68   | <.0001|
| visc   | 354494                | 0.01430  | 0.007022| 231     | 2.04    | 0.0429|
## Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|-----|---------|------|----|
| Intercept | 358230 | -0.03013 | 0.02489 | 231 | -1.21 | 0.2273 |
| visc | 358230 | 0.003541 | 0.006908 | 231 | 0.51 | 0.6087 |
| Intercept | 359308 | -0.00306 | 0.02485 | 231 | -0.12 | 0.9021 |
| visc | 359308 | -0.00105 | 0.006832 | 231 | -0.15 | 0.8780 |
| Intercept | 364664 | -0.3714 | 0.02481 | 231 | -14.97 | <.0001 |
| visc | 364664 | -0.01812 | 0.006821 | 231 | -2.66 | 0.0084 |
| Intercept | 367836 | 0.3464 | 0.02475 | 231 | 14.00 | <.0001 |
| visc | 367836 | 0.003541 | 0.006908 | 231 | 0.51 | 0.6087 |
| Intercept | 369308 | -0.00306 | 0.02485 | 231 | -0.12 | 0.9021 |
| visc | 369308 | -0.00105 | 0.006832 | 231 | -0.15 | 0.8780 |
| Intercept | 364664 | -0.3714 | 0.02481 | 231 | -14.97 | <.0001 |
| visc | 364664 | -0.01812 | 0.006821 | 231 | -2.66 | 0.0084 |
| Intercept | 367836 | 0.3464 | 0.02475 | 231 | 14.00 | <.0001 |
| visc | 367836 | 0.003541 | 0.006908 | 231 | 0.51 | 0.6087 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|-------|
| visc   | 386040                 | 0.009914 | 0.006553     | 231| 1.51    | 0.1317|
| Intercept | 386488            | 0.1109   | 0.02487      | 231| 4.46    | <.0001|
| visc   | 386488                 | 0.01522  | 0.006912     | 231| 2.20    | 0.0287|
| Intercept | 386758            | 0.2903   | 0.02483      | 231| 11.69   | <.0001|
| visc   | 386758                 | 0.01011  | 0.006703     | 231| 1.51    | 0.1330|
| Intercept | 387658            | 0.2974   | 0.02484      | 231| 11.97   | <.0001|
| visc   | 387658                 | -0.00077 | 0.006763     | 231| -0.11   | 0.9095|
| Intercept | 392316            | 0.1647   | 0.02482      | 231| 6.64    | <.0001|
| visc   | 392316                 | -0.01036 | 0.006789     | 231| -1.53   | 0.1285|
| Intercept | 393936            | 0.06019  | 0.02484      | 231| 2.42    | 0.0161|
| visc   | 393936                 | 0.000286 | 0.006850     | 231| 0.04    | 0.9667|
| Intercept | 394588            | 0.3816   | 0.02480      | 231| 15.39   | <.0001|
| visc   | 394588                 | 0.002553 | 0.007104     | 231| 0.36    | 0.7197|
| Intercept | 397661            | 0.3061   | 0.02483      | 231| 12.33   | <.0001|
| visc   | 397661                 | 0.000208 | 0.006855     | 231| 0.03    | 0.9758|
| Intercept | 397931            | -0.02920 | 0.02640      | 231| -1.11   | 0.2699|
| visc   | 397931                 | -0.01169 | 0.007157     | 231| -1.63   | 0.1038|

### Type 3 Tests of Fixed Effects

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### The MEANS Procedure

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Number of observations 131

NOTE: Due to missing values, only 106 observations can be used in this analysis.
The GLM Procedure

**Dependent Variable: slope**

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**Dependent Variable: slope**

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NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### Log10 Kidney Volume

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* Observation was not used in this analysis

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**The Mixed Procedure**

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### The Mixed Procedure

#### Iteration History

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Convergence criteria met.

#### Covariance Parameter Estimates

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#### Fit Statistics

- **-2 Log Likelihood**: -1543.7
- **AIC (smaller is better)**: -1533.7
- **AICC (smaller is better)**: -1533.5
- **BIC (smaller is better)**: -1519.3

#### Solution for Fixed Effects

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<th>Standard Error</th>
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### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|-----|-----|
| Intercept | 200922 | -0.02673 | 0.02467 | 231 | -1.08 | 0.2799 |
| visc | 200922 | -0.00055 | 0.006974 | 231 | -0.08 | 0.9374 |
| Intercept | 201800 | 0.5160 | 0.02492 | 231 | 20.71 | <.0001 |
| visc | 201800 | 0.002926 | 0.006843 | 231 | 0.43 | 0.6694 |
| Intercept | 201877 | -0.05669 | 0.02484 | 231 | -2.28 | 0.0234 |
| visc | 201877 | -0.01150 | 0.006849 | 231 | -1.68 | 0.0945 |
| Intercept | 203328 | 0.08394 | 0.02505 | 231 | 3.35 | 0.0009 |
| visc | 203328 | -0.00599 | 0.006708 | 231 | -0.89 | 0.3729 |
| Intercept | 204555 | 0.1151 | 0.02482 | 231 | 4.64 | <.0001 |
| visc | 204555 | -0.02571 | 0.006778 | 231 | -3.79 | 0.0002 |
| Intercept | 205758 | 0.3994 | 0.02478 | 231 | 1.61 | 0.1085 |
| visc | 205758 | 0.009990 | 0.006696 | 231 | 1.49 | 0.1371 |
| Intercept | 206816 | -0.01152 | 0.02486 | 231 | -0.46 | 0.6436 |
| visc | 206816 | 0.000563 | 0.006928 | 231 | 0.08 | 0.9353 |
| Intercept | 208280 | -0.1565 | 0.02486 | 231 | -6.29 | <.0001 |
| visc | 208280 | -0.00250 | 0.006881 | 231 | 0.04 | 0.9710 |
| Intercept | 208324 | -0.04840 | 0.02484 | 231 | -1.95 | 0.0526 |
| visc | 208324 | -0.00551 | 0.006878 | 231 | -0.80 | 0.4236 |
| Intercept | 209281 | -0.1566 | 0.02497 | 231 | -6.27 | <.0001 |
| visc | 209281 | 0.009229 | 0.007029 | 231 | 1.31 | 0.1905 |
| Intercept | 213454 | -0.3052 | 0.02486 | 231 | -12.27 | <.0001 |
| visc | 213454 | -0.00957 | 0.006632 | 231 | -1.44 | 0.1502 |
| Intercept | 214376 | -0.05531 | 0.02490 | 231 | -2.22 | 0.0273 |
| visc | 214376 | -0.00611 | 0.006942 | 231 | -0.88 | 0.3797 |
| Intercept | 215052 | -0.2103 | 0.02502 | 231 | -8.40 | <.0001 |
| visc | 215052 | 0.04084 | 0.006443 | 231 | 6.34 | <.0001 |
| Intercept | 216086 | 0.5045 | 0.02491 | 231 | 20.26 | <.0001 |
| visc | 216086 | 0.008140 | 0.006929 | 231 | 1.17 | 0.2413 |
| Intercept | 220068 | 0.5601 | 0.02486 | 231 | 22.53 | <.0001 |
| visc | 220068 | -0.01638 | 0.006746 | 231 | -2.43 | 0.0159 |
| Intercept | 223343 | 0.08219 | 0.02481 | 231 | 3.31 | 0.0011 |
| visc | 223343 | -0.00573 | 0.006704 | 231 | -0.85 | 0.3937 |
| Intercept | 223534 | 0.1343 | 0.02507 | 231 | 5.36 | <.0001 |
| visc | 223534 | -0.00815 | 0.009306 | 231 | -0.88 | 0.3824 |
| Intercept | 223635 | -0.09883 | 0.02486 | 231 | -3.98 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|----|---------|------|---|
| visc   | 223635                | -0.00735 | 0.006161     | 231| -1.19   | 0.2341 |
| Intercept | 224502            | -0.1396  | 0.02461      | 231| -5.67   | <.0001|
| visc   | 224502                | 0.001627 | 0.006840     | 231| 0.24    | 0.8123 |
| Intercept | 226640            | 0.08752  | 0.02485      | 231| 3.52    | 0.0005|
| visc   | 226640                | -0.00374 | 0.006860     | 231| -0.55   | 0.5859 |
| Intercept | 229428            | 0.007870 | 0.02486      | 231| 0.32    | 0.7518 |
| visc   | 229428                | -0.02038 | 0.006944     | 231| -2.94   | 0.0037|
| Intercept | 229733            | 0.1192   | 0.02472      | 231| 4.82    | <.0001|
| visc   | 229733                | -0.00430 | 0.006500     | 231| -0.66   | 0.5089 |
| Intercept | 232174            | -0.2237  | 0.02523      | 231| -8.87   | <.0001|
| visc   | 232174                | -0.00256 | 0.008843     | 231| -0.29   | 0.7729 |
| Intercept | 234053            | 0.2531   | 0.02483      | 231| 10.19   | <.0001|
| visc   | 234053                | 0.02180  | 0.006927     | 231| 3.15    | 0.0019|
| Intercept | 234650            | -0.00224 | 0.02475      | 231| -0.09   | 0.9279 |
| visc   | 234650                | 0.01610  | 0.006903     | 231| 2.33    | 0.0206|
| Intercept | 234795            | -0.3401  | 0.02640      | 231| -12.88  | <.0001|
| visc   | 234795                | 0.000811 | 0.007157     | 231| 0.11    | 0.9098|
| Intercept | 235752            | -0.08131 | 0.02528      | 231| -3.22   | 0.0015|
| visc   | 235752                | -0.00001 | 0.007115     | 231| -0.00   | 0.9985|
| Intercept | 236202            | 0.3863   | 0.02478      | 231| 15.59   | <.0001|
| visc   | 236202                | -0.00833 | 0.006710     | 231| -1.24   | 0.2157|
| Intercept | 237192            | 0.2643   | 0.02483      | 231| 10.64   | <.0001|
| visc   | 237192                | 0.02610  | 0.006721     | 231| 3.88    | 0.0001|
| Intercept | 239960            | 0.02847  | 0.02481      | 231| 1.15    | 0.2524|
| visc   | 239960                | -0.00658 | 0.006493     | 231| -1.01   | 0.3122|
| Intercept | 241501            | -0.3167  | 0.02465      | 231| -12.85  | <.0001|
| visc   | 241501                | -0.01659 | 0.005688     | 231| -2.92   | 0.0039|
| Intercept | 242715            | -0.1031  | 0.02491      | 231| -4.14   | <.0001|
| visc   | 242715                | -0.01876 | 0.006712     | 231| -2.80   | 0.0056|
| Intercept | 243560            | -0.3463  | 0.02504      | 231| -13.83  | <.0001|
| visc   | 243560                | -0.00261 | 0.009287     | 231| -0.28   | 0.7787|
| Intercept | 243738            | 0.2669   | 0.02498      | 231| 10.69   | <.0001|
| visc   | 243738                | 0.01075  | 0.009324     | 231| 1.15    | 0.2500|
| Intercept | 244111            | -0.1643  | 0.02480      | 231| -6.63   | <.0001|
| visc   | 244111                | 0.01913  | 0.006348     | 231| 3.01    | 0.0029|
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|-----|---------|------|---|
| Intercept | 244831 | -0.2607 | 0.02503 | 231 | -10.41 | <.0001 |
| visc | 244831 | -0.00539 | 0.006960 | 231 | -0.77 | 0.4395 |
| Intercept | 245990 | -0.2987 | 0.02467 | 231 | -12.11 | <.0001 |
| visc | 245990 | -0.02124 | 0.006181 | 231 | -3.44 | 0.0007 |
| Intercept | 246620 | -0.3654 | 0.02497 | 231 | -14.64 | <.0001 |
| visc | 246620 | -0.02234 | 0.006714 | 231 | -3.33 | 0.0010 |
| Intercept | 247880 | -0.2245 | 0.02480 | 231 | -9.05 | <.0001 |
| visc | 247880 | -0.01656 | 0.006362 | 231 | -2.60 | 0.0098 |
| Intercept | 248712 | -0.1132 | 0.02499 | 231 | -4.53 | <.0001 |
| visc | 248712 | -0.01310 | 0.006709 | 231 | -1.95 | 0.0520 |
| Intercept | 249569 | -0.2245 | 0.02480 | 231 | -9.05 | <.0001 |
| visc | 249569 | -0.01656 | 0.006362 | 231 | -2.60 | 0.0098 |
| Intercept | 252086 | 0.08531 | 0.02508 | 231 | 3.40 | 0.0008 |
| visc | 252086 | -0.00898 | 0.006954 | 231 | -1.29 | 0.1979 |
| Intercept | 255765 | -0.1574 | 0.02486 | 231 | -6.33 | <.0001 |
| visc | 255765 | 0.008371 | 0.006887 | 231 | 1.22 | 0.2254 |
| Intercept | 256171 | -0.1350 | 0.02469 | 231 | -5.47 | <.0001 |
| visc | 256171 | -0.00190 | 0.007130 | 231 | -0.27 | 0.7904 |
| Intercept | 258950 | 0.06695 | 0.02504 | 231 | 2.67 | 0.0080 |
| visc | 258950 | 0.008142 | 0.01249 | 231 | 0.65 | 0.5150 |
| Intercept | 259940 | -0.2146 | 0.02702 | 231 | -7.94 | <.0001 |
| visc | 259940 | 0 | 0.01473 | 231 | 0.00 | 1.0000 |
| Intercept | 263617 | -0.2084 | 0.02491 | 231 | -8.37 | <.0001 |
| visc | 263617 | 0.008541 | 0.006838 | 231 | 1.25 | 0.2129 |
| Intercept | 264225 | -0.03283 | 0.02482 | 231 | -1.32 | 0.1873 |
| visc | 264225 | -0.00183 | 0.006667 | 231 | -0.27 | 0.7844 |
| Intercept | 264348 | -0.1176 | 0.02481 | 231 | -4.74 | <.0001 |
| visc | 264348 | 0.01393 | 0.006894 | 231 | 2.02 | 0.0444 |
| Intercept | 265171 | -0.3899 | 0.02487 | 231 | -15.68 | <.0001 |
| visc | 265171 | -0.01744 | 0.006824 | 231 | -2.56 | 0.0112 |
| Intercept | 268455 | 0.3496 | 0.02500 | 231 | 13.98 | <.0001 |
| visc | 268455 | -0.00666 | 0.006729 | 231 | -0.99 | 0.3231 |
| Intercept | 277043 | -0.2131 | 0.02484 | 231 | -8.58 | <.0001 |
| visc | 277043 | -0.00479 | 0.009409 | 231 | -0.51 | 0.6114 |
| Intercept | 277146 | -0.2407 | 0.02482 | 231 | -9.70 | <.0001 |
| visc | 277146 | 0.005035 | 0.006855 | 231 | 0.73 | 0.4634 |
| Intercept | 271662 | 0.2233 | 0.02494 | 231 | 8.95 | <.0001 |
## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|---------|------|----|---------|------|---|
| visc   | 271662                | 0.005814 | 0.01277 | 231  | 0.46| 0.6494  |
| Intercept | 271684           | -0.2608  | 0.02492 | 231  | -10.47| <.0001 |
| visc   | 271684                | 0.02401  | 0.006665| 231  | 3.60| 0.0004  |
| Intercept | 273214           | 0.1034   | 0.02468 | 231  | 4.19| <.0001  |
| visc   | 273214                | 0.004299 | 0.007145| 231  | 0.60| 0.5480  |
| Intercept | 273225           | 0.1840   | 0.02597 | 231  | 7.08| <.0001  |
| visc   | 273225                | 0.01359  | 0.006920| 231  | 1.96| 0.0507  |
| Intercept | 277490           | -0.1518  | 0.02497 | 231  | -6.08| <.0001 |
| visc   | 277490                | 0.02738  | 0.006915| 231  | 3.96| 0.0001  |
| Intercept | 281000           | 0.003341 | 0.02479 | 231  | 0.13| 0.8929  |
| visc   | 281000                | 0.005426 | 0.006904| 231  | 0.79| 0.4327  |
| Intercept | 281977           | 0.08993  | 0.02487 | 231  | 3.62| 0.0004  |
| visc   | 281977                | 0.01912  | 0.006807| 231  | 2.81| 0.0054  |
| Intercept | 283722           | 0.03461  | 0.02474 | 231  | 1.40| 0.1631  |
| visc   | 283722                | -0.01362 | 0.006774| 231  | -2.01| 0.0455 |
| Intercept | 283935           | -0.01084 | 0.02516 | 231  | -0.43| 0.6669 |
| visc   | 283935                | 0.003812 | 0.008891| 231  | 0.43| 0.6685  |
| Intercept | 285601           | 0.5115   | 0.02491 | 231  | 20.53| <.0001 |
| visc   | 285601                | -0.00366 | 0.006817| 231  | -0.54| 0.5915 |
| Intercept | 286095           | -0.06651 | 0.02484 | 231  | -2.68| 0.0079 |
| visc   | 286095                | -0.00706 | 0.006817| 231  | -1.04| 0.3016 |
| Intercept | 290336           | -0.1515  | 0.02499 | 231  | -6.06| <.0001 |
| visc   | 290336                | -0.01187 | 0.006707| 231  | -1.77| 0.0781 |
| Intercept | 292362           | 0.2939   | 0.02506 | 231  | 11.73| <.0001 |
| visc   | 292362                | 0.02577  | 0.006577| 231  | 3.92| 0.0001  |
| Intercept | 293317           | 0.4163   | 0.02463 | 231  | 16.90| <.0001 |
| visc   | 293317                | 0.01649  | 0.006649| 231  | 2.48| 0.0139  |
| Intercept | 293598           | 0.4937   | 0.02520 | 231  | 19.59| <.0001 |
| visc   | 293598                | -0.00879 | 0.009221| 231  | -0.95| 0.3414 |
| Intercept | 294105           | 0.03988  | 0.02513 | 231  | 1.59| 0.1139 |
| visc   | 294105                | -0.01120 | 0.006898| 231  | -1.62| 0.1057 |
| Intercept | 294511           | -0.2563  | 0.02491 | 231  | -10.29| <.0001 |
| visc   | 294511                | 0.008826 | 0.006752| 231  | 1.31| 0.1925  |
| Intercept | 295106           | -0.2298  | 0.02479 | 231  | -9.27| <.0001 |
| visc   | 295106                | -0.00621 | 0.006552| 231  | -0.95| 0.3439 |
## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|-----|---------|------|---|
| Intercept | 295940 | 0.2856 | 0.02472 | 231 | 11.56 | <.0001 |
| visc | 295940 | -0.00221 | 0.006724 | 231 | -0.33 | 0.7431 |
| Intercept | 298515 | 0.2359 | 0.02480 | 231 | 9.51 | <.0001 |
| visc | 298515 | 0.008885 | 0.006866 | 231 | 1.29 | 0.1969 |
| Intercept | 299663 | -0.3484 | 0.02482 | 231 | -14.04 | <.0001 |
| visc | 299663 | -0.03660 | 0.006463 | 231 | -5.66 | <.0001 |
| Intercept | 300641 | -0.2071 | 0.02479 | 231 | -8.35 | <.0001 |
| visc | 300641 | 0.005302 | 0.006829 | 231 | 0.78 | 0.4383 |
| Intercept | 300696 | 0.07763 | 0.02483 | 231 | 3.13 | 0.0020 |
| visc | 300696 | -0.00379 | 0.006463 | 231 | -0.56 | 0.5771 |
| Intercept | 300911 | -0.3484 | 0.02482 | 231 | -14.04 | <.0001 |
| visc | 300911 | -0.00360 | 0.006463 | 231 | -5.66 | <.0001 |
| Intercept | 301157 | 0.2460 | 0.02482 | 231 | 9.91 | <.0001 |
| visc | 301157 | 0.005070 | 0.006829 | 231 | 0.78 | 0.4383 |
| Intercept | 301372 | 0.01366 | 0.02482 | 231 | 0.55 | 0.4610 |
| visc | 301372 | 0.02455 | 0.006463 | 231 | 3.53 | 0.0005 |
| Intercept | 303868 | -0.5037 | 0.02482 | 231 | -20.28 | <.0001 |
| visc | 303868 | 0.002772 | 0.006463 | 231 | 0.41 | 0.6793 |
| Intercept | 304860 | 0.2677 | 0.02482 | 231 | 10.79 | <.0001 |
| visc | 304860 | 0.002729 | 0.006463 | 231 | 0.40 | 0.6927 |
| Intercept | 306546 | -0.2132 | 0.02482 | 231 | -8.57 | <.0001 |
| visc | 306546 | 0.002239 | 0.006463 | 231 | 0.33 | 0.7418 |
| Intercept | 312317 | -0.2598 | 0.02482 | 231 | -10.47 | <.0001 |
| visc | 312317 | 0.01914 | 0.006463 | 231 | 2.74 | 0.0066 |
| Intercept | 313195 | 0.3278 | 0.02482 | 231 | 13.20 | <.0001 |
| visc | 313195 | 0.005580 | 0.006463 | 231 | 0.83 | 0.4060 |
| Intercept | 313307 | 0.01660 | 0.02482 | 231 | 0.67 | 0.5044 |
| visc | 313307 | 0.01788 | 0.006463 | 231 | 2.61 | 0.0097 |
| Intercept | 313893 | -0.2384 | 0.02482 | 231 | -9.59 | <.0001 |
| visc | 313893 | -0.01417 | 0.006463 | 231 | -2.05 | 0.0416 |
| Intercept | 316110 | -0.08164 | 0.02482 | 231 | -3.28 | 0.0012 |
| visc | 316110 | -0.01169 | 0.006463 | 231 | -1.69 | 0.0916 |
| Intercept | 318562 | -0.3113 | 0.02482 | 231 | -12.51 | <.0001 |
| visc | 318562 | -0.01489 | 0.006463 | 231 | -2.12 | 0.0355 |
| Intercept | 320182 | 0.1061 | 0.02482 | 231 | 4.27 | <.0001 |
## Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|-----|---------|------|-----|
| visc   | 320182                | -0.03069 | 0.006760     | 231 | -4.54   | <.0001 |
| Intercept | 320957            | -0.3876  | 0.02481      | 231 | -15.62  | <.0001 |
| visc   | 320957                | -0.01232 | 0.006868     | 231 | -1.79   | 0.0741 |
| Intercept | 321611            | 0.2871   | 0.02702      | 231 | 10.62   | <.0001 |
| visc   | 321611                | 0.0000   | 0.01473      | 231 | 0.00    | 1.0000 |
| Intercept | 323837            | -0.03597 | 0.02492      | 231 | -1.44   | 0.1503 |
| visc   | 323837                | -0.00223 | 0.006728     | 231 | -0.33   | 0.7410 |
| Intercept | 325290            | 0.1182   | 0.02480      | 231 | 4.77    | <.0001 |
| visc   | 325290                | 0.008086 | 0.006869     | 231 | 1.18    | 0.2403 |
| Intercept | 327055            | -0.2454  | 0.02482      | 231 | -9.89   | <.0001 |
| visc   | 327055                | -0.00341 | 0.006993     | 231 | -0.49   | 0.6262 |
| Intercept | 327325            | -0.08131 | 0.02490      | 231 | -3.27   | 0.0013 |
| visc   | 327325                | -0.00740 | 0.006851     | 231 | -1.08   | 0.2810 |
| Intercept | 327933            | -0.1896  | 0.02482      | 231 | -7.64   | <.0001 |
| visc   | 327933                | 0.006680 | 0.006872     | 231 | 0.97    | 0.3320 |
| Intercept | 331318            | -0.3577  | 0.02486      | 231 | -14.39  | <.0001 |
| visc   | 331318                | -0.01072 | 0.006870     | 231 | -1.56   | 0.1199 |
| Intercept | 333524            | 0.5390   | 0.02483      | 231 | 21.71   | <.0001 |
| visc   | 333524                | 0.003983 | 0.006862     | 231 | 0.58    | 0.5621 |
| Intercept | 334672            | 0.2932   | 0.02477      | 231 | 11.84   | <.0001 |
| visc   | 334672                | -0.00830 | 0.006335     | 231 | -1.31   | 0.1913 |
| Intercept | 336167            | -0.09955 | 0.02477      | 231 | -4.02   | <.0001 |
| visc   | 336167                | 0.004283 | 0.007481     | 231 | 0.57    | 0.5675 |
| Intercept | 336843            | -0.09536 | 0.02483      | 231 | -3.84   | 0.0002 |
| visc   | 336843                | 0.002510 | 0.006859     | 231 | 0.37    | 0.7147 |
| Intercept | 337315            | -0.00596 | 0.02483      | 231 | -0.24   | 0.8105 |
| visc   | 337315                | -0.00237 | 0.006901     | 231 | -0.34   | 0.7311 |
| Intercept | 342131            | -0.00155 | 0.02480      | 231 | -0.06   | 0.9503 |
| visc   | 342131                | 0.007208 | 0.006743     | 231 | 1.07    | 0.2862 |
| Intercept | 343097            | 0.2477   | 0.02485      | 231 | 9.97    | <.0001 |
| visc   | 343097                | 0.02409  | 0.006828     | 231 | 3.53    | 0.0005 |
| Intercept | 343233            | 0.1801   | 0.02485      | 231 | 7.25    | <.0001 |
| visc   | 343233                | 0.01271  | 0.007016     | 231 | 1.81    | 0.0713 |
| Intercept | 354494            | -0.1472  | 0.02593      | 231 | -5.68   | <.0001 |
| visc   | 354494                | 0.01430  | 0.007022     | 231 | 2.04    | 0.0429 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect  | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|---------|------------------------|----------|--------------|-----|---------|-------|
| Intercept | 358230 | -0.03013 | 0.02489 | 231 | -1.21 | 0.2273 |
| visc | 358230 | 0.003541 | 0.006908 | 231 | 0.51 | 0.6087 |
| Intercept | 359308 | -0.00306 | 0.02485 | 231 | -0.12 | 0.9021 |
| visc | 359308 | -0.00105 | 0.006832 | 231 | -0.15 | 0.8780 |
| Intercept | 364664 | -0.3714 | 0.02481 | 231 | -14.97 | <.0001 |
| visc | 364664 | -0.01812 | 0.006821 | 231 | -2.66 | 0.0084 |
| Intercept | 367836 | 0.3464 | 0.02475 | 231 | 14.00 | <.0001 |
| visc | 367836 | 0.003541 | 0.006908 | 231 | 0.51 | 0.6087 |
| Intercept | 364664 | -0.3714 | 0.02481 | 231 | -14.97 | <.0001 |
| visc | 364664 | -0.01812 | 0.006821 | 231 | -2.66 | 0.0084 |
| Intercept | 367836 | 0.3464 | 0.02475 | 231 | 14.00 | <.0001 |
| visc | 367836 | 0.003541 | 0.006908 | 231 | 0.51 | 0.6087 |
| Intercept | 364664 | -0.3714 | 0.02481 | 231 | -14.97 | <.0001 |
| visc | 364664 | -0.01812 | 0.006821 | 231 | -2.66 | 0.0084 |
| Intercept | 367836 | 0.3464 | 0.02475 | 231 | 14.00 | <.0001 |
| visc | 367836 | 0.003541 | 0.006908 | 231 | 0.51 | 0.6087 |
| Intercept | 364664 | -0.3714 | 0.02481 | 231 | -14.97 | <.0001 |
| visc | 364664 | -0.01812 | 0.006821 | 231 | -2.66 | 0.0084 |
| Intercept | 367836 | 0.3464 | 0.02475 | 231 | 14.00 | <.0001 |
| visc | 367836 | 0.003541 | 0.006908 | 231 | 0.51 | 0.6087 |
| Intercept | 364664 | -0.3714 | 0.02481 | 231 | -14.97 | <.0001 |
| visc | 364664 | -0.01812 | 0.006821 | 231 | -2.66 | 0.0084 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|-----|---------|-------|---|
| visc   | 386040                 | 0.009914 | 0.006553     | 231 | 1.51    | 0.1317 |
| Intercept | 386488                | 0.1109   | 0.02487      | 231 | 4.46    | <.0001 |
| visc   | 386488                 | 0.01522  | 0.006912     | 231 | 2.20    | 0.0287 |
| Intercept | 386758                | 0.2903   | 0.02483      | 231 | 11.69   | <.0001 |
| visc   | 386758                 | 0.01011  | 0.006703     | 231 | 1.51    | 0.1330 |
| Intercept | 387658                | 0.2974   | 0.02484      | 231 | 11.97   | <.0001 |
| visc   | 387658                 | -0.00077 | 0.006763     | 231 | -0.11   | 0.9095 |
| Intercept | 392316                | 0.1647   | 0.02482      | 231 | 6.64    | <.0001 |
| visc   | 392316                 | -0.01036 | 0.006789     | 231 | -1.53   | 0.1285 |
| Intercept | 393936                | 0.06019  | 0.02484      | 231 | 2.42    | 0.0161 |
| visc   | 393936                 | 0.000286 | 0.006850     | 231 | 0.04    | 0.9667 |
| Intercept | 394588                | 0.3816   | 0.02480      | 231 | 15.39   | <.0001 |
| visc   | 394588                 | 0.002553 | 0.007104     | 231 | 0.36    | 0.7197 |
| Intercept | 397661                | 0.3061   | 0.02483      | 231 | 12.33   | <.0001 |
| visc   | 397661                 | 0.000208 | 0.006855     | 231 | 0.03    | 0.9758 |
| Intercept | 397931                | -0.02920 | 0.02640      | 231 | -1.11   | 0.2699 |
| visc   | 397931                 | -0.01169 | 0.007157     | 231 | -1.63   | 0.1038 |

### Type 3 Tests of Fixed Effects

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## The MEANS Procedure

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The GLM Procedure

Class Level Information

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Number of observations 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
Dependent Variable: slope

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R-Square     Coeff Var    Root MSE    slope Mean
0.185083     -993.2735    0.011851    -0.001193

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| Intercept   | 0.0532010010 | 0.04529009     | 1.17    | 0.2431|
| sex Female  | 0.0030035827 | 0.00382264     | 0.79    | 0.4340|
| sex Male    | 0.0000000000 | .               | .       | .     |
| hdyn N      | -.0029379734 | 0.00268219     | -1.10   | 0.2762|
| hdyn Y      | 0.0000000000 | .               | .       | .     |
| age         | -.0003091911 | 0.00018693     | -1.65   | 0.1014|
| lrbf        | -.002877171  | 0.01141886     | -2.00   | 0.0487|
| bsa_c       | 0.0101445172 | 0.00759932     | 1.33    | 0.1851|
| MDRD_gfr    | -.0000095515 | 0.00005390     | -0.18   | 0.8597|
| urine24_c   | 0.0000004068 | 0.0000129      | 0.32    | 0.7523|
| esode_cc    | 0.000287832  | 0.0001987      | 1.45    | 0.1508|
| lalbe_ca    | 0.0014779169 | 0.00297251     | 0.50    | 0.6202|
### The GLM Procedure

**Dependent Variable: slope**

| Parameter   | Estimate  | Standard Error | t Value | Pr > |t| |
|-------------|-----------|----------------|---------|------|---|
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**NOTE:** The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
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</tr>
</tbody>
</table>

### Dimensions

| Covariance Parameters | 3 |
| Columns in X | 2 |
| Columns in Z Per Subject | 2 |
| Subjects | 131 |
| Max Obs Per Subject | 4 |
| Observations Used | 445 |
| Observations Not Used | 79 |
| Total Observations | 524 |

### Iteration History

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### The Mixed Procedure

#### Iteration History

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Convergence criteria met.

#### Covariance Parameter Estimates

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<tr>
<td>Residual</td>
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</table>

#### Fit Statistics

- **-2 Log Likelihood**: -672.6
- **AIC (smaller is better)**: -662.6
- **AICC (smaller is better)**: -662.5
- **BIC (smaller is better)**: -648.3

#### Solution for Fixed Effects

| Effect | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------|----------|----------------|----|---------|------|---|
| Intercept | 2.5073 | 0.04107 | 130 | 61.05 | <.0001 |
| visc | 0.05247 | 0.002518 | 125 | 20.84 | <.0001 |
## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|------|---|
| Intercept | 200922 | -0.00815 | 0.05028 | 188 | -0.16 | 0.8713 |
| Intercept | 201800 | 0.8440 | 0.05045 | 188 | 16.73 | <.0001 |
| Intercept | 201877 | 0.03483 | 0.05031 | 188 | 0.69 | 0.4896 |
| Intercept | 203328 | 0.2675 | 0.05074 | 188 | 5.27 | <.0001 |
| Intercept | 203328 | -0.01299 | 0.01216 | 188 | -1.07 | 0.2868 |
| Intercept | 204555 | 0.2475 | 0.05138 | 188 | 4.82 | <.0001 |
| Intercept | 205758 | 0.2272 | 0.05054 | 188 | 4.49 | <.0001 |
| Intercept | 206816 | 0.1637 | 0.05056 | 188 | 3.24 | 0.0014 |
| Intercept | 206816 | -0.01366 | 0.01391 | 188 | -0.98 | 0.3275 |
| Intercept | 208280 | -0.2281 | 0.05033 | 188 | -4.53 | <.0001 |
| Intercept | 208280 | 0.001357 | 0.01237 | 188 | -0.12 | 0.9092 |
| Intercept | 208324 | -0.02960 | 0.05030 | 188 | -0.59 | 0.5568 |
| Intercept | 208324 | -0.00524 | 0.01231 | 188 | -0.43 | 0.6710 |
| Intercept | 209281 | -0.1184 | 0.05067 | 188 | -2.34 | 0.0205 |
| Intercept | 209281 | -0.00105 | 0.01395 | 188 | -0.08 | 0.9392 |
| Intercept | 213454 | -0.5656 | 0.05047 | 188 | -11.21 | <.0001 |
| Intercept | 213454 | 0.007326 | 0.01210 | 188 | 0.63 | 0.5454 |
| Intercept | 214376 | -0.1088 | 0.05061 | 188 | -2.15 | 0.0329 |
| Intercept | 214376 | 0.006877 | 0.01391 | 188 | 0.49 | 0.6216 |
| Intercept | 215052 | -0.2536 | 0.05168 | 188 | -4.91 | <.0001 |
| Intercept | 215052 | 0.02216 | 0.01192 | 188 | 1.86 | 0.0647 |
| Intercept | 216086 | 0.7445 | 0.05037 | 188 | 14.78 | <.0001 |
| Intercept | 216086 | 0.002307 | 0.01235 | 188 | 0.19 | 0.8520 |
| Intercept | 220068 | 0.8391 | 0.05062 | 188 | 16.58 | <.0001 |
| Intercept | 220068 | -0.00050 | 0.01389 | 188 | -0.04 | 0.9715 |
| Intercept | 223343 | 0.2255 | 0.05034 | 188 | 4.48 | <.0001 |
| Intercept | 223343 | -0.00932 | 0.01216 | 188 | -0.77 | 0.4444 |
| Intercept | 223534 | 0.2876 | 0.05065 | 188 | 5.68 | <.0001 |
| Intercept | 223534 | 0.000507 | 0.01386 | 188 | 0.04 | 0.9708 |
| Intercept | 223635 | -0.3800 | 0.05088 | 188 | -7.47 | <.0001 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|----------|----|---------|-------|-----|
| visc   | 223635                | 0.000304 | 0.01345  | 188| 0.02    | 0.9820|
| Intercept | 224502              | -0.06916 | 0.05110  | 188| -1.35   | 0.1775|
| visc   | 224502                | 0.008069 | 0.01239  | 188| 0.65    | 0.5157|
| Intercept | 226640              | 0.2299   | 0.05032  | 188| 4.57    | <.0001|
| visc   | 226640                | -0.00472 | 0.01229  | 188| -0.38   | 0.7012|
| Intercept | 229428              | 0.1169   | 0.05056  | 188| 2.31    | 0.0219|
| visc   | 229428                | -0.00292 | 0.01389  | 188| -0.21   | 0.8337|
| Intercept | 229733              | 0.2651   | 0.05048  | 188| 5.25    | <.0001|
| visc   | 229733                | 0.004439 | 0.01386  | 188| 0.32    | 0.7491|
| Intercept | 232174              | -0.2406  | 0.05098  | 188| -4.72   | <.0001|
| visc   | 232174                | -0.00480 | 0.01363  | 188| -0.35   | 0.7250|
| Intercept | 234503              | 0.4794   | 0.05025  | 188| 9.54    | <.0001|
| visc   | 234503                | 0.01010  | 0.01235  | 188| 0.82    | 0.4145|
| Intercept | 234650              | 0.1259   | 0.05014  | 188| 2.51    | 0.0129|
| visc   | 234650                | 0.003327 | 0.01233  | 188| 0.27    | 0.7876|
| Intercept | 234795              | -0.7775  | 0.06099  | 188| -12.75  | <.0001|
| visc   | 234795                | 0.001540 | 0.01540  | 188| 0.00    | 1.0000|
| Intercept | 235752              | -0.06279 | 0.05192  | 188| -1.21   | 0.2281|
| visc   | 235752                | 0.003671 | 0.01262  | 188| 0.29    | 0.7714|
| Intercept | 236202              | 0.6394   | 0.05029  | 188| 12.71   | <.0001|
| visc   | 236202                | -0.00725 | 0.01217  | 188| -0.60   | 0.5517|
| Intercept | 237192              | 0.4652   | 0.05037  | 188| 9.23    | <.0001|
| visc   | 237192                | 0.01289  | 0.01217  | 188| 1.06    | 0.2913|
| Intercept | 239960              | 0.2352   | 0.05063  | 188| 4.64    | <.0001|
| visc   | 239960                | -0.00500 | 0.01383  | 188| -0.36   | 0.7181|
| Intercept | 241501              | -1.1674  | 0.05065  | 188| -23.05  | <.0001|
| visc   | 241501                | 0.001038 | 0.01114  | 188| 0.09    | 0.9259|
| Intercept | 242715              | -0.1563  | 0.05050  | 188| -3.09   | 0.0023|
| visc   | 242715                | -0.00704 | 0.01217  | 188| -0.58   | 0.5634|
| Intercept | 243560              | -0.7710  | 0.05061  | 188| -15.23  | <.0001|
| visc   | 243560                | 0.002119 | 0.01385  | 188| 0.15    | 0.8786|
| Intercept | 243738              | 0.4945   | 0.05054  | 188| 9.79    | <.0001|
| visc   | 243738                | 0.003373 | 0.01387  | 188| 0.24    | 0.8082|
| Intercept | 244111              | -0.1506  | 0.05052  | 188| -2.98   | 0.0032|
| visc   | 244111                | 0.01915  | 0.01183  | 188| 1.62    | 0.1072|
## Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|-----------------------|----------|---------|---------|---------|------|----|
| Intercept | 244831 | -0.4521 | 0.05084 | 188 | -8.89 | <.0001 |
| vисc | 244831 | 0.01137 | 0.01370 | 188 | 0.83 | 0.4076 |
| Intercept | 245990 | -0.9176 | 0.05050 | 188 | -18.17 | <.0001 |
| vисc | 245990 | -0.00745 | 0.01395 | 188 | -0.53 | 0.5937 |
| Intercept | 246620 | -0.6115 | 0.05053 | 188 | -12.09 | <.0001 |
| vисc | 246620 | -0.00918 | 0.01217 | 188 | -0.75 | 0.4515 |
| Intercept | 247880 | -0.4377 | 0.05053 | 188 | -8.66 | <.0001 |
| vисc | 247880 | -0.00718 | 0.01184 | 188 | -0.61 | 0.5453 |
| Intercept | 248712 | -0.1763 | 0.05065 | 188 | -3.48 | 0.0006 |
| vисc | 248712 | -0.00180 | 0.01216 | 188 | -0.15 | 0.8824 |
| Intercept | 252086 | 0.2307 | 0.05154 | 188 | 4.48 | <.0001 |
| vисc | 252086 | -0.01049 | 0.01237 | 188 | -0.85 | 0.3976 |
| Intercept | 255765 | -0.1491 | 0.05033 | 188 | -2.96 | 0.0034 |
| vисc | 255765 | 0.007243 | 0.01232 | 188 | 0.59 | 0.5572 |
| Intercept | 256171 | -0.2046 | 0.04993 | 188 | -4.10 | <.0001 |
| vисc | 256171 | 0.008280 | 0.01252 | 188 | 0.66 | 0.5091 |
| Intercept | 258950 | 0.3003 | 0.05256 | 188 | 5.71 | <.0001 |
| vисc | 258950 | 0.004819 | 0.01496 | 188 | 0.32 | 0.7477 |
| Intercept | 259940 | -0.3075 | 0.06099 | 188 | -5.04 | <.0001 |
| vисc | 259940 | 0 | 0.01540 | 188 | 0.00 | 1.0000 |
| Intercept | 263617 | -0.3318 | 0.05043 | 188 | -6.58 | <.0001 |
| vисc | 263617 | 0.009178 | 0.01228 | 188 | 0.75 | 0.4556 |
| Intercept | 264225 | 0.01735 | 0.05038 | 188 | 0.34 | 0.7309 |
| vисc | 264225 | 0.003884 | 0.01213 | 188 | 0.32 | 0.7491 |
| Intercept | 264348 | -0.1532 | 0.05023 | 188 | -3.05 | 0.0026 |
| vисc | 264348 | 0.01019 | 0.01232 | 188 | 0.83 | 0.4095 |
| Intercept | 265171 | -1.3542 | 0.05062 | 188 | -26.75 | <.0001 |
| vисc | 265171 | -0.01781 | 0.01385 | 188 | -1.29 | 0.2001 |
| Intercept | 268455 | 0.6082 | 0.05065 | 188 | 12.01 | <.0001 |
| vисc | 268455 | -0.00689 | 0.01218 | 188 | -0.57 | 0.5721 |
| Intercept | 271043 | -0.3399 | 0.05036 | 188 | -6.75 | <.0001 |
| vисc | 271043 | -0.00346 | 0.01391 | 188 | -0.25 | 0.8041 |
| Intercept | 271460 | -0.5258 | 0.05027 | 188 | -10.46 | <.0001 |
| vисc | 271460 | 0.01846 | 0.01229 | 188 | 1.50 | 0.1348 |
| Intercept | 271662 | 0.4328 | 0.05248 | 188 | 8.25 | <.0001 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|----------|----|---------|------|----|
| visc   | 271662                 | -0.00032 | 0.01502  | 188 | -0.02   | 0.9831 |
| Intercept | 271684             | -0.3241  | 0.05075  | 188 | -6.39   | <.0001 |
| visc   | 271684                 | 0.004810 | 0.01373  | 188 | 0.35    | 0.7265 |
| Intercept | 273214             | 0.2275   | 0.04991  | 188 | 4.56    | <.0001 |
| visc   | 273214                 | 0.007668 | 0.01253  | 188 | 0.61    | 0.5412 |
| Intercept | 273225             | 0.3871   | 0.05392  | 188 | 7.18    | <.0001 |
| visc   | 273225                 | 0.005717 | 0.01378  | 188 | 0.41    | 0.6786 |
| Intercept | 277490             | 0.05140  | 0.05254  | 188 | 0.98    | 0.3291 |
| visc   | 277490                 | 0.009594 | 0.01497  | 188 | 0.64    | 0.5224 |
| Intercept | 281000             | 0.03718  | 0.05020  | 188 | 0.74    | 0.4599 |
| visc   | 281000                 | -0.00119 | 0.01233  | 188 | -0.10   | 0.9233 |
| Intercept | 281977             | 0.2797   | 0.05038  | 188 | 5.55    | <.0001 |
| visc   | 281977                 | 0.006860 | 0.01225  | 188 | 0.56    | 0.5761 |
| Intercept | 283722             | 0.1549   | 0.05042  | 188 | 3.07    | 0.0024 |
| visc   | 283722                 | -0.00542 | 0.01396  | 188 | -0.39   | 0.6981 |
| Intercept | 283935             | 0.2108   | 0.05087  | 188 | 4.14    | <.0001 |
| visc   | 283935                 | 0.000103 | 0.01366  | 188 | 0.01    | 0.9940 |
| Intercept | 285601             | 0.7911   | 0.05044  | 188 | 15.68   | <.0001 |
| visc   | 285601                 | -0.01177 | 0.01226  | 188 | -0.96   | 0.3382 |
| Intercept | 286095             | -0.04440 | 0.05033  | 188 | -0.88   | 0.3788 |
| visc   | 286095                 | -0.00881 | 0.01226  | 188 | -0.72   | 0.4734 |
| Intercept | 290336             | -0.2277  | 0.05064  | 188 | -4.50   | <.0001 |
| visc   | 290336                 | -0.00465 | 0.01216  | 188 | -0.38   | 0.7024 |
| Intercept | 292362             | 0.5971   | 0.05084  | 188 | 11.74   | <.0001 |
| visc   | 292362                 | 0.01206  | 0.01205  | 188 | 1.00    | 0.3178 |
| Intercept | 293317             | 0.6890   | 0.05033  | 188 | 13.69   | <.0001 |
| visc   | 293317                 | 0.003908 | 0.01382  | 188 | 0.28    | 0.7776 |
| Intercept | 293598             | 0.7876   | 0.05081  | 188 | 15.50   | <.0001 |
| visc   | 293598                 | -0.00824 | 0.01382  | 188 | -0.60   | 0.5517 |
| Intercept | 294105             | 0.2900   | 0.05270  | 188 | 5.50    | <.0001 |
| visc   | 294105                 | 0.003386 | 0.01483  | 188 | 0.23    | 0.8197 |
| Intercept | 294511             | -0.2026  | 0.05071  | 188 | -4.00   | <.0001 |
| visc   | 294511                 | 0.01149  | 0.01380  | 188 | 0.83    | 0.4060 |
| Intercept | 295106             | -0.3070  | 0.05039  | 188 | -6.09   | <.0001 |
| visc   | 295106                 | -0.00939 | 0.01202  | 188 | -0.78   | 0.4357 |
**The Mixed Procedure**

### Solution for Random Effects

| Effect  | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|---------|------------------------|----------|---------|---------|---------|-------|----|
| Intercept | 295940 | 0.4064 | 0.05018 | 188     | 8.10 | <.0001 |
| intercept | 295940 | 0.003732 | 0.01218 | 188     | 0.31 | 0.7596 |
| Intercept | 298515 | -0.4988 | 0.05050 | 188     | -9.88 | <.0001 |
| Intercept | 299663 | -0.4757 | 0.05049 | 188     | -9.42 | <.0001 |
| Intercept | 300641 | -0.3734 | 0.05049 | 188     | -7.40 | <.0001 |
| Intercept | 300696 | 0.1580 | 0.05034 | 188     | 3.14 | 0.0020 |
| Intercept | 300911 | 0.3494 | 0.05054 | 188     | 6.91 | <.0001 |
| Intercept | 301157 | -0.00402 | 0.01391 | 188     | -0.29 | 0.7731 |
| Intercept | 301372 | -0.00948 | 0.01230 | 188     | -0.77 | 0.4415 |
| Intercept | 301372 | -0.02217 | 0.05129 | 188     | 0.43 | 0.6660 |
| Intercept | 303868 | -1.0307 | 0.05039 | 188     | -20.45 | <.0001 |
| Intercept | 304860 | 0.4560 | 0.05023 | 188     | 9.08 | <.0001 |
| Intercept | 305464 | -0.3057 | 0.05041 | 188     | -6.06 | <.0001 |
| Intercept | 305464 | -0.00917 | 0.01225 | 188     | -0.71 | 0.4821 |
| Intercept | 312317 | -0.3355 | 0.05049 | 188     | -6.65 | <.0001 |
| Intercept | 313195 | -0.00817 | 0.01230 | 188     | -0.67 | 0.4982 |
| Intercept | 313195 | -0.00068 | 0.01229 | 188     | -0.05 | 0.9580 |
| Intercept | 313307 | 0.08372 | 0.05029 | 188     | 1.66 | 0.0977 |
| Intercept | 313893 | 0.01237 | 0.05030 | 188     | 0.26 | 0.7934 |
| Intercept | 316110 | -0.2554 | 0.05062 | 188     | -5.08 | <.0001 |
| Intercept | 316110 | -0.01012 | 0.01223 | 188     | -0.82 | 0.4128 |
| Intercept | 318562 | -0.4542 | 0.05029 | 188     | -9.03 | <.0001 |
| Intercept | 318562 | -0.00765 | 0.01244 | 188     | -0.61 | 0.5393 |
| Intercept | 320182 | 0.2126 | 0.05062 | 188     | 4.20 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|------|---|
| visc   | 320182                 | -0.00973 | 0.01391 | 188     | -0.70   | 0.4850 |
| Intercept | 320957             | -0.8981  | 0.05051 | 188     | -17.78  | <.0001 |
| visc   | 320957                 | -0.00377 | 0.01393 | 188     | -0.27   | 0.7868 |
| Intercept | 321611             | 0.5626   | 0.06099 | 188     | 9.22    | <.0001 |
| visc   | 321611                 | 0        | 0.01540 | 188     | 0.00    | 1.0000 |
| Intercept | 323837             | -0.00377 | 0.01393 | 188     | -0.27   | 0.7868 |
| visc   | 323837                 | 0.002670 | 0.01218 | 188     | 0.22    | 0.8267 |
| Intercept | 325456             | 0.3079   | 0.05023 | 188     | 6.13    | <.0001 |
| Intercept | 327055             | -0.8981  | 0.05051 | 188     | -17.78  | <.0001 |
| Intercept | 327325             | -0.1510  | 0.05052 | 188     | -2.99   | 0.0032 |
| visc   | 327325                 | -0.00377 | 0.01393 | 188     | -0.27   | 0.7868 |
| Intercept | 327933             | -0.2582  | 0.05027 | 188     | -5.14   | <.0001 |
| visc   | 327933                 | 0.009005 | 0.01230 | 188     | 0.73    | 0.4652 |
| Intercept | 331318             | -0.8937  | 0.05034 | 188     | -17.75  | <.0001 |
| visc   | 331318                 | -0.01689 | 0.01230 | 188     | -1.37   | 0.1714 |
| Intercept | 333524             | 0.8120   | 0.05054 | 188     | 16.06   | <.0001 |
| visc   | 333524                 | -0.00154 | 0.01388 | 188     | -0.11   | 0.9116 |
| Intercept | 334672             | 0.4700   | 0.05048 | 188     | 9.31    | <.0001 |
| visc   | 334672                 | -0.00930 | 0.01182 | 188     | -0.79   | 0.4323 |
| Intercept | 336167             | -0.07003 | 0.04988 | 188     | -1.40   | 0.1619 |
| visc   | 336167                 | -0.01386 | 0.01278 | 188     | -1.08   | 0.2797 |
| Intercept | 336843             | -0.05762 | 0.05029 | 188     | -1.15   | 0.2534 |
| visc   | 336843                 | -0.00631 | 0.01229 | 188     | -0.51   | 0.6083 |
| Intercept | 337315             | -0.07088 | 0.05026 | 188     | -1.41   | 0.1601 |
| visc   | 337315                 | 0.001812 | 0.01233 | 188     | 0.15    | 0.8833 |
| Intercept | 342131             | 0.01995  | 0.05060 | 188     | 0.39    | 0.6939 |
| visc   | 342131                 | 0.007216 | 0.01356 | 188     | 0.53    | 0.5952 |
| Intercept | 343097             | 0.4531   | 0.05034 | 188     | 9.00    | <.0001 |
| visc   | 343097                 | 0.01575  | 0.01227 | 188     | 1.28    | 0.2007 |
| Intercept | 343233             | 0.2632   | 0.05024 | 188     | 5.24    | <.0001 |
| visc   | 343233                 | 0.002793 | 0.01242 | 188     | 0.22    | 0.8224 |
| Intercept | 354494             | -0.1451  | 0.05382 | 188     | -2.70   | 0.0077 |
| visc   | 354494                 | 0.000025 | 0.01386 | 188     | 0.00    | 0.9986 |
## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|-------|---|
| Intercept | 358230 | -0.00034 | 0.05036 | 188 | -0.01 | 0.9947 |
| Visc | 358230 | 0.001356 | 0.01233 | 188 | 0.11 | 0.9126 |
| Intercept | 359308 | 0.05954 | 0.05034 | 188 | 1.18 | 0.2384 |
| Visc | 359308 | -0.00140 | 0.01227 | 188 | -0.11 | 0.9094 |
| Intercept | 364664 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 364664 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 367836 | 0.5933 | 0.05041 | 188 | 11.77 | <.0001 |
| Visc | 367836 | -0.00140 | 0.01227 | 188 | -0.11 | 0.9094 |
| Intercept | 368973 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 368973 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 370942 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 370942 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 371021 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 371021 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 374068 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 374068 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 374687 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 374687 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 376004 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 376004 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 376252 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 376252 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 380166 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 380166 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 380998 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 380998 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 383193 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 383193 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 383744 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 383744 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 385151 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| Visc | 385151 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 386040 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|------|---|
| visc   | 386040                 | 0.006852 | 0.01218 | 188     | 0.56    | 0.5745 |
| Intercept | 386488             | 0.2381   | 0.05059 | 188     | 4.71    | <.0001 |
| visc   | 386488                 | 0.001169 | 0.01385 | 188     | 0.08    | 0.9328 |
| Intercept | 386758             | 0.4861   | 0.05038 | 188     | 9.65    | <.0001 |
| visc   | 386758                 | 0.000211 | 0.01216 | 188     | 0.02    | 0.9862 |
| Intercept | 387658             | 0.3785   | 0.05037 | 188     | 7.51    | <.0001 |
| visc   | 387658                 | 0.004161 | 0.01221 | 188     | 0.34    | 0.7336 |
| Intercept | 392316             | 0.2511   | 0.05031 | 188     | 4.99    | <.0001 |
| visc   | 392316                 | -0.00501 | 0.01223 | 188     | -0.41   | 0.6828 |
| Intercept | 393936             | 0.1914   | 0.05056 | 188     | 3.79    | 0.0002 |
| visc   | 393936                 | -0.00128 | 0.01389 | 188     | -0.09   | 0.9266 |
| Intercept | 394588             | 0.6187   | 0.05043 | 188     | 12.27   | <.0001 |
| visc   | 394588                 | 0.000352 | 0.01394 | 188     | 0.03    | 0.9799 |
| Intercept | 397661             | 0.5058   | 0.05029 | 188     | 10.06   | <.0001 |
| visc   | 397661                 | -0.00750 | 0.01229 | 188     | -0.61   | 0.5426 |
| Intercept | 397931             | 0.09715  | 0.06099 | 188     | 1.59    | 0.1129 |
| visc   | 397931                 | 0        | 0.01540 | 188     | 0.00    | 1.0000 |

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### The GLM Procedure

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**NOTE:** Due to missing values, only 106 observations can be used in this analysis.
## The GLM Procedure

**Dependent Variable: slope**

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| Parameter       | Estimate | Standard Error | t Value | Pr > |t| |
|-----------------|----------|----------------|--------|------|---|
| Intercept       | -.0365917694 | 0.03020469 | -1.21 | 0.2288 |
| sex Female      | 0.0015469251 | 0.00249305 | 0.62  | 0.5364 |
| sex Male        | 0.0000000000 | .        | .     | .    |
| hdyn N          | 0.0003543696 | 0.00177457 | 0.20  | 0.8422 |
| hdyn Y          | 0.0000000000 | .        | .     | .    |
| age             | -.0001158634 | 0.00011672 | -0.99 | 0.3234 |
| lrbf            | 0.0028831551 | 0.00811422 | 0.36  | 0.7232 |
| bsa_c           | 0.0097725382 | 0.00512251 | 1.91  | 0.0595 |
| cic             | 0.00000448857 | 0.00004526 | 0.99  | 0.3239 |
| urine24_c       | -.00000004487 | 0.00000086 | -0.52 | 0.6044 |
| esode_cc        | -.0000016374 | 0.00001338 | -0.12 | 0.9029 |
| lalbe_ca        | 0.0013701396 | 0.00199154 | 0.69  | 0.4932 |
The GLM Procedure

Dependent Variable: slope

| Parameter | Estimate     | Standard Error | t Value | Pr > |t| |
|-----------|--------------|----------------|---------|------|---|
| lpldle_ca | 0.0000072611 | 0.00002469     | 0.29    | 0.7694 |
| lphdle_ca | -.0000202284 | 0.00008509     | -0.24   | 0.8126 |
| surice_ca | 0.0016197675 | 0.00102828     | 1.58    | 0.1186 |

NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### The GLM Procedure

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</thead>
<tbody>
<tr>
<td>-2 Log Likelihood</td>
<td>-672.6</td>
</tr>
<tr>
<td>AIC (smaller is better)</td>
<td>-662.6</td>
</tr>
<tr>
<td>AICC (smaller is better)</td>
<td>-662.5</td>
</tr>
<tr>
<td>BIC (smaller is better)</td>
<td>-648.3</td>
</tr>
</tbody>
</table>

### Solution for Fixed Effects

| Effect | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------|----------|----------------|----|---------|-------|
| Intercept | 2.5073 | 0.04107 | 130 | 61.05  | <.0001 |
| visc    | 0.05247 | 0.002518 | 125 | 20.84  | <.0001 |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|-------|
| Intercept | 200922 | -0.00815 | 0.05028 | 188 | -0.16 | 0.8713 |
| Intercept | 200922 | -0.00064 | 0.01403 | 188 | -0.05 | 0.9639 |
| Intercept | 201800 | 0.8440 | 0.05045 | 188 | 16.73 | <.0001 |
| Intercept | 201877 | 0.03483 | 0.05031 | 188 | 0.69 | 0.4896 |
| Intercept | 203328 | 0.2675 | 0.05074 | 188 | 5.27 | <.0001 |
| Intercept | 203328 | -0.01299 | 0.01216 | 188 | -1.07 | 0.2868 |
| Intercept | 204555 | 0.2475 | 0.05138 | 188 | 4.82 | <.0001 |
| Intercept | 204555 | -0.01546 | 0.01237 | 188 | -1.25 | 0.2127 |
| Intercept | 205758 | 0.2272 | 0.05054 | 188 | 4.49 | <.0001 |
| Intercept | 206816 | 0.1637 | 0.05056 | 188 | 3.24 | 0.0014 |
| Intercept | 206816 | -0.01366 | 0.01391 | 188 | -0.98 | 0.3275 |
| Intercept | 208280 | -0.2281 | 0.05033 | 188 | -4.53 | <.0001 |
| Intercept | 208280 | 0.001357 | 0.01231 | 188 | 0.11 | 0.9123 |
| Intercept | 208324 | -0.02960 | 0.05030 | 188 | -0.59 | 0.5568 |
| Intercept | 208324 | -0.00524 | 0.01231 | 188 | -0.43 | 0.6710 |
| Intercept | 209281 | -0.1184 | 0.05067 | 188 | -2.34 | 0.0205 |
| Intercept | 209281 | -0.00105 | 0.01395 | 188 | -0.08 | 0.9400 |
| Intercept | 213454 | -0.5656 | 0.05047 | 188 | -11.21 | <.0001 |
| Intercept | 213454 | 0.007326 | 0.01210 | 188 | 0.61 | 0.5454 |
| Intercept | 214376 | -0.1088 | 0.05061 | 188 | -2.15 | 0.0329 |
| Intercept | 214376 | 0.006877 | 0.01391 | 188 | 0.49 | 0.6216 |
| Intercept | 215052 | -0.2536 | 0.05168 | 188 | -4.91 | <.0001 |
| Intercept | 215052 | 0.02216 | 0.01192 | 188 | 1.86 | 0.0647 |
| Intercept | 216086 | 0.7445 | 0.05037 | 188 | 14.78 | <.0001 |
| Intercept | 216086 | 0.002307 | 0.01235 | 188 | 0.19 | 0.8520 |
| Intercept | 220068 | 0.8391 | 0.05062 | 188 | 16.58 | <.0001 |
| Intercept | 220068 | -0.00050 | 0.01389 | 188 | -0.04 | 0.9715 |
| Intercept | 223343 | 0.2255 | 0.05034 | 188 | 4.48 | <.0001 |
| Intercept | 223343 | -0.00932 | 0.01216 | 188 | -0.77 | 0.4444 |
| Intercept | 223534 | 0.2876 | 0.05065 | 188 | 5.68 | <.0001 |
| Intercept | 223534 | 0.000507 | 0.01386 | 188 | 0.04 | 0.9708 |
| Intercept | 223635 | -0.3800 | 0.05088 | 188 | -7.47 | <.0001 |
### The Mixed Procedure

**Solution for Random Effects**

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|----------|-------|-----|
| visc   | 223635                 | 0.000304 | 0.01345      | 188| 0.02     | 0.9820 |
| Intercept | 224502            | -0.06916 | 0.05110      | 188| -1.35    | 0.1775 |
| visc   | 224502                 | 0.008069 | 0.01239      | 188| 0.65     | 0.5157 |
| Intercept | 226640            | 0.2299   | 0.05032      | 188| 4.57     | <.0001 |
| visc   | 226640                 | -0.00472 | 0.01229      | 188| -0.38    | 0.7012 |
| Intercept | 229428            | 0.1169   | 0.05056      | 188| 2.31     | 0.0219 |
| visc   | 229428                 | -0.00292 | 0.01389      | 188| -0.21    | 0.8337 |
| Intercept | 229733            | 0.2651   | 0.05048      | 188| 5.25     | <.0001 |
| visc   | 229733                 | 0.004439 | 0.01386      | 188| 0.32     | 0.7491 |
| Intercept | 232174            | -0.2406  | 0.05098      | 188| -4.72    | <.0001 |
| visc   | 232174                 | -0.00480 | 0.01363      | 188| -0.35    | 0.7250 |
| Intercept | 234053            | 0.4794   | 0.05025      | 188| 9.54     | <.0001 |
| visc   | 234053                 | 0.01010  | 0.01235      | 188| 0.82     | 0.4145 |
| Intercept | 234650            | 0.1259   | 0.05014      | 188| 2.51     | 0.0129 |
| visc   | 234650                 | 0.003327 | 0.01233      | 188| 0.27     | 0.7876 |
| Intercept | 234795            | -0.7775  | 0.06099      | 188| -12.75   | <.0001 |
| visc   | 234795                 | 0        | 0.01540      | 188| 0.00     | 1.0000 |
| Intercept | 235752            | -0.06279 | 0.05192      | 188| -1.21    | 0.2281 |
| visc   | 235752                 | 0.003671 | 0.01262      | 188| 0.29     | 0.7714 |
| Intercept | 236202            | 0.6394   | 0.05029      | 188| 12.71    | <.0001 |
| visc   | 236202                 | -0.00725 | 0.01217      | 188| -0.60    | 0.5517 |
| Intercept | 237192            | 0.4652   | 0.05037      | 188| 9.23     | <.0001 |
| visc   | 237192                 | 0.01289  | 0.01217      | 188| 1.06     | 0.2913 |
| Intercept | 239960            | 0.2352   | 0.05063      | 188| 4.64     | <.0001 |
| visc   | 239960                 | -0.00500 | 0.01383      | 188| -0.36    | 0.7181 |
| Intercept | 241501            | -1.1674  | 0.05065      | 188| -23.05   | <.0001 |
| visc   | 241501                 | 0.001038 | 0.01114      | 188| 0.09     | 0.9259 |
| Intercept | 242715            | -0.1563  | 0.05050      | 188| -3.09    | 0.0023 |
| visc   | 242715                 | -0.00704 | 0.01217      | 188| -0.58    | 0.5634 |
| Intercept | 243560            | -0.7710  | 0.05061      | 188| -15.23   | <.0001 |
| visc   | 243560                 | 0.002119 | 0.01385      | 188| 0.15     | 0.8786 |
| Intercept | 243738            | 0.4945   | 0.05054      | 188| 9.79     | <.0001 |
| visc   | 243738                 | 0.003373 | 0.01387      | 188| 0.24     | 0.8082 |
| Intercept | 244111            | -0.1506  | 0.05052      | 188| -2.98    | 0.0032 |
| visc   | 244111                 | 0.01915  | 0.01183      | 188| 1.62     | 0.1072 |
## Solution for Random Effects

| Effect   | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|----------|-----------------------|----------|---------|---------|---------|------|---|
| Intercept| 244831                | -0.4521  | 0.05084 | 188     | -8.89   | <.0001 |
| visc     | 244831                | 0.01137  | 0.01370 | 188     | 0.83    | 0.4076 |
| Intercept| 245990                | -0.9176  | 0.05050 | 188     | -18.17  | <.0001 |
| visc     | 245990                | -0.00745 | 0.01395 | 188     | -0.53   | 0.5937 |
| Intercept| 246620                | -0.6115  | 0.05060 | 188     | -12.09  | <.0001 |
| visc     | 246620                | -0.00918 | 0.01217 | 188     | -0.75   | 0.4515 |
| Intercept| 247880                | -0.4377  | 0.05053 | 188     | -8.66   | <.0001 |
| visc     | 247880                | -0.00718 | 0.01184 | 188     | -0.61   | 0.5453 |
| Intercept| 248712                | -0.1763  | 0.05065 | 188     | -3.48   | 0.0006 |
| visc     | 248712                | -0.00180 | 0.01216 | 188     | -0.15   | 0.8824 |
| Intercept| 252086                | 0.2307   | 0.05154 | 188     | 4.48    | <.0001 |
| visc     | 252086                | -0.01049 | 0.01237 | 188     | -0.85   | 0.3976 |
| Intercept| 255765                | -0.1491  | 0.05033 | 188     | -2.96   | 0.0034 |
| visc     | 255765                | 0.007243 | 0.01232 | 188     | 0.59    | 0.5572 |
| Intercept| 256171                | -0.2046  | 0.04993 | 188     | -4.10   | <.0001 |
| visc     | 256171                | 0.008280 | 0.01252 | 188     | 0.66    | 0.5091 |
| Intercept| 258950                | 0.3003   | 0.05256 | 188     | 5.71    | <.0001 |
| visc     | 258950                | 0.004819 | 0.01496 | 188     | 0.32    | 0.7477 |
| Intercept| 259940                | -0.3075  | 0.06099 | 188     | -5.04   | <.0001 |
| visc     | 259940                | 0        | 0.01540 | 188     | 0.00    | 1.0000 |
| Intercept| 263617                | -0.3318  | 0.05043 | 188     | -6.58   | <.0001 |
| visc     | 263617                | 0.009178 | 0.01228 | 188     | 0.75    | 0.4556 |
| Intercept| 264225                | 0.01735  | 0.05038 | 188     | 0.34    | 0.7309 |
| visc     | 264225                | 0.003884 | 0.01213 | 188     | 0.32    | 0.7491 |
| Intercept| 264348                | -0.1532  | 0.05023 | 188     | -3.05   | 0.0026 |
| visc     | 264348                | 0.01019  | 0.01232 | 188     | 0.83    | 0.4095 |
| Intercept| 265171                | -1.3542  | 0.05062 | 188     | -26.75  | <.0001 |
| visc     | 265171                | -0.01781 | 0.01385 | 188     | -1.29   | 0.2001 |
| Intercept| 268455                | 0.6082   | 0.05065 | 188     | 12.01   | <.0001 |
| visc     | 268455                | -0.00689 | 0.01218 | 188     | -0.57   | 0.5721 |
| Intercept| 271043                | -0.3399  | 0.05036 | 188     | -6.75   | <.0001 |
| visc     | 271043                | -0.00346 | 0.01391 | 188     | -0.25   | 0.8041 |
| Intercept| 271460                | -0.5258  | 0.05027 | 188     | -10.46  | <.0001 |
| visc     | 271460                | 0.01846  | 0.01229 | 188     | 1.50    | 0.1348 |
| Intercept| 271662                | 0.4328   | 0.05248 | 188     | 8.25    | <.0001 |
### The Mixed Procedure

**Solution for Random Effects**

| Effect | Participant/ID Number | Estimate  | Std Err | Pred  | DF  | t Value | Pr > |t| |
|--------|------------------------|----------|---------|-------|-----|---------|-------|---|
| visc   | 271662                 | -0.00032 | 0.01502 | 188   | -0.02 | 0.9831  |       |   |
| Intercept | 271664            | -0.3241  | 0.05075 | 188   | -6.39  | <.0001  |       |   |
| visc   | 271684                 | 0.004810 | 0.01373 | 188   | 0.35   | 0.7265  |       |   |
| Intercept | 273214            | 0.2275   | 0.04991 | 188   | 4.56   | <.0001  |       |   |
| visc   | 273214                 | 0.007668 | 0.01253 | 188   | 0.61   | 0.5412  |       |   |
| Intercept | 273225            | 0.3871   | 0.05392 | 188   | 7.18   | <.0001  |       |   |
| visc   | 273225                 | 0.005717 | 0.01378 | 188   | 0.41   | 0.6786  |       |   |
| Intercept | 274790            | 0.05140  | 0.05254 | 188   | 0.98   | 0.3291  |       |   |
| visc   | 277490                 | 0.009594 | 0.01497 | 188   | 0.64   | 0.5224  |       |   |
| Intercept | 281000            | 0.03718  | 0.05020 | 188   | 0.74   | 0.4599  |       |   |
| visc   | 281000                 | -0.00119 | 0.01233 | 188   | -0.10  | 0.9233  |       |   |
| Intercept | 281977            | 0.2797   | 0.05038 | 188   | 5.55   | <.0001  |       |   |
| visc   | 281977                 | 0.006860 | 0.01225 | 188   | 0.56   | 0.5761  |       |   |
| Intercept | 283722            | 0.1549   | 0.05042 | 188   | 3.07   | 0.0024  |       |   |
| visc   | 283722                 | -0.00542 | 0.01396 | 188   | -0.39  | 0.6981  |       |   |
| Intercept | 283935            | 0.2108   | 0.05087 | 188   | 4.14   | <.0001  |       |   |
| visc   | 283935                 | 0.000103 | 0.01366 | 188   | 0.01   | 0.9940  |       |   |
| Intercept | 285601            | 0.7911   | 0.05044 | 188   | 15.68  | <.0001  |       |   |
| visc   | 285601                 | -0.01177 | 0.01226 | 188   | -0.96  | 0.3382  |       |   |
| Intercept | 286095            | -0.04440 | 0.05033 | 188   | -0.88  | 0.3788  |       |   |
| visc   | 286095                 | -0.00881 | 0.01226 | 188   | -0.72  | 0.4734  |       |   |
| Intercept | 290336            | -0.2277  | 0.05064 | 188   | -4.50  | <.0001  |       |   |
| visc   | 290336                 | -0.00465 | 0.01216 | 188   | -0.38  | 0.7024  |       |   |
| Intercept | 292362            | 0.5971   | 0.05084 | 188   | 11.74  | <.0001  |       |   |
| visc   | 292362                 | 0.01206  | 0.01205 | 188   | 1.00   | 0.3178  |       |   |
| Intercept | 293317            | 0.6890   | 0.05033 | 188   | 13.69  | <.0001  |       |   |
| visc   | 293317                 | 0.003908 | 0.01382 | 188   | 0.28   | 0.7776  |       |   |
| Intercept | 293598            | 0.7876   | 0.05081 | 188   | 15.50  | <.0001  |       |   |
| visc   | 293598                 | -0.00824 | 0.01382 | 188   | -0.60  | 0.5517  |       |   |
| Intercept | 294105            | 0.2900   | 0.05270 | 188   | 5.50   | <.0001  |       |   |
| visc   | 294105                 | 0.003386 | 0.01483 | 188   | 0.23   | 0.8197  |       |   |
| Intercept | 294511            | -0.2026  | 0.05071 | 188   | -4.00  | <.0001  |       |   |
| visc   | 294511                 | 0.01149  | 0.01380 | 188   | 0.83   | 0.4060  |       |   |
| Intercept | 295106            | -0.3070  | 0.05039 | 188   | -6.09  | <.0001  |       |   |
| visc   | 295106                 | -0.00939 | 0.01202 | 188   | -0.78  | 0.4357  |       |   |
## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|----|---------|-------|-----------------------------|
| Intercept | 295940 | 0.4064 | 0.05018 | 188 | 8.10 | <.0001 |
| Intercept | 300641 | -0.00056 | 0.01392 | 188 | -0.04 | 0.9682 |
| Intercept | 300860 | 0.4560 | 0.05029 | 188 | 9.03 | <.0001 |
| Intercept | 304860 | 0.08372 | 0.05029 | 188 | 1.66 | 0.0977 |
| Intercept | 318562 | -0.00765 | 0.01224 | 188 | -0.61 | 0.5393 |
| Intercept | 320182 | 0.2126 | 0.05062 | 188 | 4.20 | <.0001 |
| Intercept | 320912 | 0.02217 | 0.05129 | 188 | 0.43 | 0.6660 |
| Intercept | 320912 | 0.02530 | 0.01223 | 188 | -0.08 | 0.9337 |
| Intercept | 320912 | -0.003237 | 0.01396 | 188 | -0.37 | 0.7081 |
| Intercept | 320912 | 0.05232 | 0.01223 | 188 | 2.02 | 0.0447 |
| Intercept | 320912 | -0.00402 | 0.01223 | 188 | -0.77 | 0.4415 |
| Intercept | 320912 | 0.00948 | 0.01223 | 188 | -0.77 | 0.4415 |
| Intercept | 320912 | 0.00102 | 0.01223 | 188 | -0.08 | 0.9337 |
| Intercept | 320912 | 0.3494 | 0.05054 | 188 | -6.06 | <.0001 |
| Intercept | 320912 | -0.00249 | 0.01389 | 188 | -0.18 | 0.8576 |
| Intercept | 320912 | 0.4988 | 0.05050 | 188 | 9.88 | <.0001 |
| Intercept | 320912 | -0.00102 | 0.01223 | 188 | -0.08 | 0.9337 |
| Intercept | 320912 | -0.00402 | 0.01223 | 188 | -0.77 | 0.4415 |
| Intercept | 320912 | 0.4064 | 0.05018 | 188 | 8.10 | <.0001 |
| Intercept | 320912 | -0.00056 | 0.01392 | 188 | -0.04 | 0.9682 |
| Intercept | 320912 | 0.4560 | 0.05029 | 188 | 9.03 | <.0001 |
| Intercept | 320912 | 0.08372 | 0.05029 | 188 | 1.66 | 0.0977 |
| Intercept | 320912 | 0.00948 | 0.01223 | 188 | -0.77 | 0.4415 |
| Intercept | 320912 | 0.00102 | 0.01223 | 188 | -0.08 | 0.9337 |
| Intercept | 320912 | 0.3494 | 0.05054 | 188 | -6.06 | <.0001 |
| Intercept | 320912 | -0.00249 | 0.01389 | 188 | -0.18 | 0.8576 |
| Intercept | 320912 | 0.4988 | 0.05050 | 188 | 9.88 | <.0001 |
| Intercept | 320912 | -0.00102 | 0.01223 | 188 | -0.08 | 0.9337 |
| Intercept | 320912 | 0.4064 | 0.05018 | 188 | 8.10 | <.0001 |
| Intercept | 320912 | -0.00056 | 0.01392 | 188 | -0.04 | 0.9682 |
| Intercept | 320912 | 0.4560 | 0.05029 | 188 | 9.03 | <.0001 |
| Intercept | 320912 | 0.08372 | 0.05029 | 188 | 1.66 | 0.0977 |
| Intercept | 320912 | 0.00948 | 0.01223 | 188 | -0.77 | 0.4415 |
| Intercept | 320912 | 0.00102 | 0.01223 | 188 | -0.08 | 0.9337 |
| Intercept | 320912 | 0.3494 | 0.05054 | 188 | -6.06 | <.0001 |
| Intercept | 320912 | -0.00249 | 0.01389 | 188 | -0.18 | 0.8576 |
| Intercept | 320912 | 0.4988 | 0.05050 | 188 | 9.88 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|-----------------------|----------|---------|---------|---------|-------|---|
| visc   | 320182                | -0.00973 | 0.01391 | 188     | -0.70   | 0.4850 |
| Intercept | 320957             | -0.8981  | 0.05051 | 188     | -17.78  | <.0001|
| visc   | 320957                | -0.00377 | 0.01393 | 188     | -0.27   | 0.7868 |
| Intercept | 321611               | 0.5626   | 0.06099 | 188     | 9.22    | <.0001|
| visc   | 321611                | 0        | 0.01540 | 188     | 0.00    | 1.0000 |
| Intercept | 323837               | -0.00377 | 0.01393 | 188     | -0.27   | 0.7868 |
| visc   | 323837                | 0.5626   | 0.06099 | 188     | 9.22    | <.0001|
| Intercept | 325290               | 0.3079   | 0.05023 | 188     | 6.13    | <.0001|
| visc   | 325290                | -0.00900 | 0.01230 | 188     | -0.73   | 0.4655 |
| Intercept | 327055               | -0.3681  | 0.05020 | 188     | -7.33   | <.0001|
| visc   | 327055                | -0.00437 | 0.01241 | 188     | -0.35   | 0.7250 |
| Intercept | 327325               | -0.1408  | 0.05041 | 188     | -2.79   | 0.0058 |
| visc   | 327325                | -0.01181 | 0.01229 | 188     | -0.96   | 0.3379 |
| Intercept | 327933               | -0.2582  | 0.05027 | 188     | -5.14   | <.0001|
| visc   | 327933                | 0.009005 | 0.01230 | 188     | 0.73    | 0.4652 |
| Intercept | 331318               | -0.8937  | 0.05034 | 188     | -17.75  | <.0001|
| visc   | 331318                | -0.01689 | 0.01230 | 188     | -1.37   | 0.1714 |
| Intercept | 333524               | 0.8120   | 0.05054 | 188     | 16.06   | <.0001|
| visc   | 333524                | -0.00154 | 0.01388 | 188     | -0.11   | 0.9116 |
| Intercept | 334672               | 0.4700   | 0.05048 | 188     | 9.31    | <.0001|
| visc   | 334672                | -0.00930 | 0.01182 | 188     | -0.79   | 0.4323 |
| Intercept | 336167               | -0.07003 | 0.04988 | 188     | -1.40   | 0.1619 |
| visc   | 336167                | -0.01386 | 0.01278 | 188     | -1.08   | 0.2797 |
| Intercept | 336843               | -0.05762 | 0.05029 | 188     | -1.15   | 0.2534 |
| visc   | 336843                | -0.00631 | 0.01229 | 188     | -0.51   | 0.6083 |
| Intercept | 337315               | -0.07088 | 0.05026 | 188     | -1.41   | 0.1601 |
| visc   | 337315                | 0.001812 | 0.01233 | 188     | 0.15    | 0.8833 |
| Intercept | 342131               | 0.01995  | 0.05060 | 188     | 0.39    | 0.6939 |
| visc   | 342131                | 0.007216 | 0.01356 | 188     | 0.53    | 0.5952 |
| Intercept | 343097               | 0.4531   | 0.05034 | 188     | 9.00    | <.0001|
| visc   | 343097                | 0.01575  | 0.01227 | 188     | 1.28    | 0.2007 |
| Intercept | 343233               | 0.2632   | 0.05024 | 188     | 5.24    | <.0001|
| visc   | 343233                | 0.002793 | 0.01242 | 188     | 0.22    | 0.8224 |
| Intercept | 354494               | -0.1451  | 0.05382 | 188     | -2.70   | 0.0077|
| visc   | 354494                | 0.000025 | 0.01386 | 188     | 0.00    | 0.9986 |
## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|----------------------|----------|--------------|----|---------|------|
| Intercept | 358230 | -0.00034 | 0.05036 | 188 | -0.01 | 0.9947 |
| visc | 358230 | 0.001356 | 0.01233 | 188 | 0.11 | 0.9126 |
| Intercept | 359308 | 0.05954 | 0.05034 | 188 | 1.18 | 0.2384 |
| visc | 359308 | -0.00140 | 0.01227 | 188 | -0.11 | 0.9094 |
| Intercept | 364664 | -0.9648 | 0.05028 | 188 | -19.19 | <.0001 |
| visc | 364664 | -0.00918 | 0.01226 | 188 | -0.75 | 0.4548 |
| Intercept | 367836 | 0.5933 | 0.05041 | 188 | 11.77 | <.0001 |
| visc | 367836 | 0.003364 | 0.01398 | 188 | 0.24 | 0.8100 |
| Intercept | 368973 | -0.2028 | 0.05057 | 188 | -4.01 | <.0001 |
| visc | 368973 | -0.00261 | 0.01388 | 188 | -0.19 | 0.8510 |
| Intercept | 369941 | -1.3378 | 0.05256 | 188 | -25.45 | <.0001 |
| visc | 369941 | -0.01012 | 0.01495 | 188 | -0.68 | 0.4995 |
| Intercept | 370942 | -1.0347 | 0.05050 | 188 | -20.49 | <.0001 |
| visc | 370942 | -0.01287 | 0.01394 | 188 | -0.92 | 0.3572 |
| Intercept | 371021 | -0.6172 | 0.05050 | 188 | -12.27 | <.0001 |
| visc | 371021 | 0.01086 | 0.01229 | 188 | 0.88 | 0.3779 |
| Intercept | 374068 | -0.5476 | 0.05145 | 188 | -10.64 | <.0001 |
| visc | 374068 | 0.008416 | 0.01211 | 188 | 0.69 | 0.4880 |
| Intercept | 374687 | -0.2520 | 0.05053 | 188 | -4.99 | <.0001 |
| visc | 374687 | -0.00292 | 0.01390 | 188 | -0.21 | 0.8339 |
| Intercept | 376004 | 0.5876 | 0.05052 | 188 | 11.63 | <.0001 |
| visc | 376004 | -0.00191 | 0.01391 | 188 | -0.14 | 0.8908 |
| Intercept | 376252 | -0.1871 | 0.05022 | 188 | -3.73 | 0.0003 |
| visc | 376252 | -0.00241 | 0.01243 | 188 | -0.19 | 0.8463 |
| Intercept | 380166 | -0.06622 | 0.05015 | 188 | -1.32 | 0.1883 |
| visc | 380166 | 0.02439 | 0.01239 | 188 | 1.97 | 0.0505 |
| Intercept | 380998 | 0.4327 | 0.05029 | 188 | 8.60 | <.0001 |
| visc | 380998 | 0.001736 | 0.01227 | 188 | 0.14 | 0.8877 |
| Intercept | 383193 | -0.2018 | 0.05025 | 188 | -4.02 | <.0001 |
| visc | 383193 | -0.00650 | 0.01227 | 188 | -0.53 | 0.5965 |
| Intercept | 383744 | 0.3222 | 0.05131 | 188 | 6.28 | <.0001 |
| visc | 383744 | -0.00560 | 0.01244 | 188 | -0.45 | 0.6528 |
| Intercept | 385151 | 0.1281 | 0.06099 | 188 | 2.10 | 0.0371 |
| visc | 385151 | 0 | 0.01540 | 188 | 0.00 | 1.0000 |
| Intercept | 386040 | 0.4859 | 0.05302 | 188 | 9.17 | <.0001 |
The Mixed Procedure

Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|-------|----------|
| visc   | 386040                 | 0.006852 | 0.01218 | 188     | 0.56    | 0.5745 |
| Intercept | 386488            | 0.2381   | 0.05059 | 188     | 4.71    | <.0001 |
| visc   | 386488                 | 0.001169 | 0.01385 | 188     | 0.08    | 0.9328 |
| Intercept | 386758            | 0.4861   | 0.05038 | 188     | 9.65    | <.0001 |
| visc   | 386758                 | 0.000211 | 0.01216 | 188     | 0.02    | 0.9862 |
| Intercept | 387658            | 0.3785   | 0.05037 | 188     | 7.51    | <.0001 |
| visc   | 387658                 | 0.004161 | 0.01221 | 188     | 0.34    | 0.7336 |
| Intercept | 392316            | 0.2511   | 0.05031 | 188     | 4.99    | <.0001 |
| visc   | 392316                 | -0.00501 | 0.01223 | 188     | -0.41   | 0.6828 |
| Intercept | 393936            | 0.1914   | 0.05056 | 188     | 3.79    | 0.0002 |
| visc   | 393936                 | -0.00128 | 0.01389 | 188     | -0.09   | 0.9266 |
| Intercept | 394588            | 0.6187   | 0.05043 | 188     | 12.27   | <.0001 |
| visc   | 394588                 | 0.000352 | 0.01394 | 188     | 0.03    | 0.9799 |
| Intercept | 397661            | 0.5058   | 0.05029 | 188     | 10.06   | <.0001 |
| visc   | 397661                 | -0.00750 | 0.01229 | 188     | -0.61   | 0.5426 |
| Intercept | 397931            | 0.09715  | 0.06099 | 188     | 1.59    | 0.1129 |
| visc   | 397931                 | 0 | 0.01540 | 188     | 0.00    | 1.0000 |

Type 3 Tests of Fixed Effects

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### The MEANS Procedure

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**The GLM Procedure**

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**Number of observations** 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
### The GLM Procedure

**Dependent Variable: slope**

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The GLM Procedure

Dependent Variable: slope

| Parameter   | Estimate    | Standard Error | t Value | Pr > |t| |
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| lpldle_ca   | 0.0000110235| 0.00002436     | 0.45    | 0.6519 |
| lphdle_ca   | -0.0000198627 | 0.00008466 | -0.23   | 0.8150 |
| surice_ca   | 0.0015735019 | 0.00101184    | 1.56    | 0.1233 |

NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
**The GLM Procedure**

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The GLM Procedure

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* Observation was not used in this analysis

| Sum of Residuals                      | 0.00000000 |
| Sum of Squared Residuals             | 0.00582580 |
| Sum of Squared Residuals - Error SS  | -0.00000000|
| First Order Autocorrelation          | -0.06831239|
| Durbin-Watson D                      | 2.12843937 |
**The Mixed Procedure**

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The Mixed Procedure

Convergence criteria met.

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### Fit Statistics

- -2 Log Likelihood: 3060.9
- AIC (smaller is better): 3068.9
- AICC (smaller is better): 3069.0
- BIC (smaller is better): 3080.4

### Solution for Fixed Effects

| Effect | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------|----------|----------------|----|---------|------|---|
| Intercept | 41.4714 | 1.6146 | 130 | 25.69 | <.0001 |
| visc | 2.8954 | 0.1823 | 125 | 15.88 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|-------|
| Intercept | 200922 | -3.7546 | 2.8103 | 188 | -1.34 | 0.1832 |
| visc | 200922 | 0 | . | . | . | . |
| Intercept | 201800 | 37.3116 | 2.5648 | 188 | 14.55 | <.0001 |
| visc | 201800 | 0 | . | . | . | . |
| Intercept | 201877 | 4.6858 | 2.5647 | 188 | 1.83 | 0.0693 |
| visc | 201877 | 0 | . | . | . | . |
| Intercept | 203328 | 14.2445 | 2.5651 | 188 | 5.55 | <.0001 |
| visc | 203328 | 0 | . | . | . | . |
| Intercept | 204555 | 11.5596 | 2.8097 | 188 | 4.11 | <.0001 |
| visc | 204555 | 0 | . | . | . | . |
| Intercept | 205758 | 15.1225 | 2.8100 | 188 | 5.38 | <.0001 |
| visc | 205758 | 0 | . | . | . | . |
| Intercept | 206816 | 12.5110 | 2.8100 | 188 | 4.45 | <.0001 |
| visc | 206816 | 0 | . | . | . | . |
| Intercept | 208280 | -11.1823 | 2.5647 | 188 | -4.36 | <.0001 |
| visc | 208280 | 0 | . | . | . | . |
| Intercept | 208324 | -3.5577 | 2.5647 | 188 | -1.39 | 0.1670 |
| visc | 208324 | 0 | . | . | . | . |
| Intercept | 209281 | -2.9106 | 2.8100 | 188 | -1.04 | 0.3016 |
| visc | 209281 | 0 | . | . | . | . |
| Intercept | 213454 | -21.6323 | 2.5649 | 188 | -8.43 | <.0001 |
| visc | 213454 | 0 | . | . | . | . |
| Intercept | 214376 | -8.1542 | 2.8100 | 188 | -2.90 | 0.0042 |
| visc | 214376 | 0 | . | . | . | . |
| Intercept | 215052 | -11.1776 | 2.8100 | 188 | -3.98 | <.0001 |
| visc | 215052 | 0 | . | . | . | . |
| Intercept | 216086 | 22.9515 | 2.5647 | 188 | 8.95 | <.0001 |
| visc | 216086 | 0 | . | . | . | . |
| Intercept | 220068 | 30.3519 | 2.8100 | 188 | 10.80 | <.0001 |
| visc | 220068 | 0 | . | . | . | . |
| Intercept | 223343 | 9.6299 | 2.5648 | 188 | 3.75 | 0.0002 |
| visc | 223343 | 0 | . | . | . | . |
| Intercept | 223534 | 12.2712 | 2.8100 | 188 | 4.37 | <.0001 |
| visc | 223534 | 0 | . | . | . | . |
| Intercept | 223635 | -22.9023 | 2.8098 | 188 | -8.15 | <.0001 |
The Mixed Procedure

| Effect | Participant/ID Number | Estimate | Std Err | DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|----|---------|------|---|
| visc   | 223635                 | 0        | .       | .  | .       |      |   |
| Intercept | 224502             | 2.2580   | 2.8097  | 188| 0.80    | 0.4226|   |
| visc   | 224502                 | 0        | .       | .  | .       |      |   |
| Intercept | 226640             | 10.4968  | 2.5647  | 188| 4.09    | <.0001|   |
| visc   | 226640                 | 0        | .       | .  | .       |      |   |
| Intercept | 229428             | 7.9663   | 2.8100  | 188| 2.83    | 0.0051|   |
| visc   | 229428                 | 0        | .       | .  | .       |      |   |
| Intercept | 229733             | 10.5845  | 2.8101  | 188| 3.77    | 0.0002|   |
| visc   | 229733                 | 0        | .       | .  | .       |      |   |
| Intercept | 232174             | -7.0476  | 2.8097  | 188| -2.51   | 0.0130|   |
| visc   | 232174                 | 0        | .       | .  | .       |      |   |
| Intercept | 234053             | 19.5031  | 2.5646  | 188| 7.60    | <.0001|   |
| visc   | 234053                 | 0        | .       | .  | .       |      |   |
| Intercept | 234650             | 6.0678   | 2.5646  | 188| 2.37    | 0.0190|   |
| visc   | 234650                 | 0        | .       | .  | .       |      |   |
| Intercept | 234795             | -27.0646 | 4.2562  | 188| -6.36   | <.0001|   |
| visc   | 234795                 | 0        | .       | .  | .       |      |   |
| Intercept | 235752             | -2.8372  | 2.8099  | 188| -1.01   | 0.3139|   |
| visc   | 235752                 | 0        | .       | .  | .       |      |   |
| Intercept | 236202             | 26.7109  | 2.5647  | 188| 10.41   | <.0001|   |
| visc   | 236202                 | 0        | .       | .  | .       |      |   |
| Intercept | 237192             | 15.5245  | 2.5648  | 188| 6.05    | <.0001|   |
| visc   | 237192                 | 0        | .       | .  | .       |      |   |
| Intercept | 239960             | 18.6316  | 2.8100  | 188| 6.63    | <.0001|   |
| visc   | 239960                 | 0        | .       | .  | .       |      |   |
| Intercept | 241501             | -39.7451 | 2.5659  | 188| -15.49  | <.0001|   |
| visc   | 241501                 | 0        | .       | .  | .       |      |   |
| Intercept | 242715             | -8.3198  | 2.5649  | 188| -3.24   | 0.0014|   |
| visc   | 242715                 | 0        | .       | .  | .       |      |   |
| Intercept | 243560             | -29.1396 | 2.8100  | 188| -10.37  | <.0001|   |
| visc   | 243560                 | 0        | .       | .  | .       |      |   |
| Intercept | 243738             | 20.1938  | 2.8100  | 188| 7.19    | <.0001|   |
| visc   | 243738                 | 0        | .       | .  | .       |      |   |
| Intercept | 244111             | -3.6033  | 2.5651  | 188| -1.40   | 0.1618|   |
| visc   | 244111                 | 0        | .       | .  | .       |      |   |
## The Mixed Procedure

### Solution for Random Effects

| Effect  | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t|  |
|---------|-----------------------|----------|--------------|-----|---------|------|-----|
| Intercept | 244831               | -17.5599 | 2.8098       | 188 | -6.25   | <.0001 |     |
| visc     | 244831               | 0        | .            | .   | .       | .    |     |
| Intercept | 245990               | -34.2231 | 2.8101       | 188 | -12.18  | <.0001 |     |
| visc     | 245990               | 0        | .            | .   | .       | .    |     |
| Intercept | 246620               | -21.5209 | 2.5650       | 188 | -8.39   | <.0001 |     |
| visc     | 246620               | 0        | .            | .   | .       | .    |     |
| Intercept | 247880               | -19.9069 | 2.5651       | 188 | -7.76   | <.0001 |     |
| visc     | 247880               | 0        | .            | .   | .       | .    |     |
| Intercept | 248712               | -9.1598  | 2.5650       | 188 | -3.57   | 0.0005 |     |
| visc     | 248712               | 0        | .            | .   | .       | .    |     |
| Intercept | 252086               | 10.1722  | 2.8098       | 188 | 3.62    | 0.0004 |     |
| visc     | 252086               | 0        | .            | .   | .       | .    |     |
| Intercept | 255765               | -4.5835  | 2.5647       | 188 | -1.79   | 0.0755 |     |
| visc     | 255765               | 0        | .            | .   | .       | .    |     |
| Intercept | 256171               | -9.7960  | 2.5644       | 188 | -3.82   | 0.0002 |     |
| visc     | 256171               | 0        | .            | .   | .       | .    |     |
| Intercept | 258950               | 21.0065  | 3.2430       | 188 | 6.48    | <.0001 |     |
| visc     | 258950               | 0        | .            | .   | .       | .    |     |
| Intercept | 259940               | -11.8039 | 4.2562       | 188 | -2.77   | 0.0061 |     |
| visc     | 259940               | 0        | .            | .   | .       | .    |     |
| Intercept | 263617               | -15.0218 | 2.5648       | 188 | -5.86   | <.0001 |     |
| visc     | 263617               | 0        | .            | .   | .       | .    |     |
| Intercept | 264225               | 0.7590   | 2.5648       | 188 | 0.30    | 0.7676 |     |
| visc     | 264225               | 0        | .            | .   | .       | .    |     |
| Intercept | 264348               | -8.6932  | 2.5646       | 188 | -3.39   | 0.0009 |     |
| visc     | 264348               | 0        | .            | .   | .       | .    |     |
| Intercept | 265171               | -39.6192 | 2.8100       | 188 | -14.10  | <.0001 |     |
| visc     | 265171               | 0        | .            | .   | .       | .    |     |
| Intercept | 268455               | 27.4513  | 2.5650       | 188 | 10.70   | <.0001 |     |
| visc     | 268455               | 0        | .            | .   | .       | .    |     |
| Intercept | 271043               | -14.9600 | 2.8102       | 188 | -5.32   | <.0001 |     |
| visc     | 271043               | 0        | .            | .   | .       | .    |     |
| Intercept | 271460               | -23.1863 | 2.5647       | 188 | -9.04   | <.0001 |     |
| visc     | 271460               | 0        | .            | .   | .       | .    |     |
| Intercept | 271662               | 17.1510  | 3.2433       | 188 | 5.29    | <.0001 |     |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|---------|---------|------|---|
| visc   | 271662                 | 0        | .       | .       | .       |      |   |
| Intercept | 271684               | -12.0453 | 2.8099  | 188     | -4.29   | <.0001|
| visc   | 271684                 | 0        | .       | .       | .       |      |   |
| Intercept | 273214               | 8.6111   | 2.5644  | 188     | 3.36    | 0.0010|
| visc   | 273214                 | 0        | .       | .       | .       |      |   |
| Intercept | 273225               | 17.0310  | 3.2405  | 188     | 5.26    | <.0001|
| visc   | 273225                 | 0        | .       | .       | .       |      |   |
| Intercept | 277490               | 17.6451  | 3.2430  | 188     | 5.44    | <.0001|
| visc   | 277490                 | 0        | .       | .       | .       |      |   |
| Intercept | 281000               | -3.0643  | 2.5646  | 188     | -1.19   | 0.2337|
| visc   | 281000                 | 0        | .       | .       | .       |      |   |
| Intercept | 281977               | 14.0661  | 2.5648  | 188     | 5.48    | <.0001|
| visc   | 281977                 | 0        | .       | .       | .       |      |   |
| Intercept | 283722               | 7.5297   | 2.8102  | 188     | 2.68    | 0.0080|
| visc   | 283722                 | 0        | .       | .       | .       |      |   |
| Intercept | 283935               | 19.8779  | 2.8098  | 188     | 7.07    | <.0001|
| visc   | 283935                 | 0        | .       | .       | .       |      |   |
| Intercept | 285601               | 28.7236  | 2.5648  | 188     | 11.20   | <.0001|
| visc   | 285601                 | 0        | .       | .       | .       |      |   |
| Intercept | 286095               | -3.4491  | 2.5647  | 188     | -1.34   | 0.1803|
| visc   | 286095                 | 0        | .       | .       | .       |      |   |
| Intercept | 290336               | -10.6486 | 2.5650  | 188     | -4.15   | <.0001|
| visc   | 290336                 | 0        | .       | .       | .       |      |   |
| Intercept | 292362               | 31.8640  | 2.5653  | 188     | 12.42   | <.0001|
| visc   | 292362                 | 0        | .       | .       | .       |      |   |
| Intercept | 293317               | 26.1329  | 2.8102  | 188     | 9.30    | <.0001|
| visc   | 293317                 | 0        | .       | .       | .       |      |   |
| Intercept | 293598               | 32.2197  | 2.8098  | 188     | 11.47   | <.0001|
| visc   | 293598                 | 0        | .       | .       | .       |      |   |
| Intercept | 294105               | 24.7597  | 3.2425  | 188     | 7.64    | <.0001|
| visc   | 294105                 | 0        | .       | .       | .       |      |   |
| Intercept | 294511               | -0.3495  | 2.8099  | 188     | -0.12   | 0.9011|
| visc   | 294511                 | 0        | .       | .       | .       |      |   |
| Intercept | 295106               | -12.2558 | 2.5649  | 188     | -4.78   | <.0001|
| visc   | 295106                 | 0        | .       | .       | .       |      |   |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|------|---|
| Intercept | 295940 | 8.8838 | 2.5647 | 188 | 3.46 | 0.0007 |
| visc | 295940 | 0 | . | . | . | . |
| Intercept | 298515 | 24.8759 | 2.8101 | 188 | 8.85 | <.0001 |
| visc | 298515 | 0 | . | . | . | . |
| Intercept | 299663 | -11.9370 | 2.5650 | 188 | -4.65 | <.0001 |
| visc | 299663 | 0 | . | . | . | . |
| Intercept | 300641 | -17.5459 | 2.8101 | 188 | -6.24 | <.0001 |
| visc | 300641 | 0 | . | . | . | . |
| Intercept | 300696 | 3.5985 | 2.5648 | 188 | 1.40 | 0.1622 |
| visc | 300696 | 0 | . | . | . | . |
| Intercept | 300911 | 17.2581 | 2.8100 | 188 | 6.14 | <.0001 |
| visc | 300911 | 0 | . | . | . | . |
| Intercept | 301157 | 18.3281 | 2.5647 | 188 | 7.15 | <.0001 |
| visc | 301157 | 0 | . | . | . | . |
| Intercept | 301372 | -2.9695 | 2.8097 | 188 | -1.06 | 0.2919 |
| visc | 301372 | 0 | . | . | . | . |
| Intercept | 303868 | -33.6812 | 2.5648 | 188 | -13.13 | <.0001 |
| visc | 303868 | 0 | . | . | . | . |
| Intercept | 304860 | 16.5502 | 2.5646 | 188 | 6.45 | <.0001 |
| visc | 304860 | 0 | . | . | . | . |
| Intercept | 306546 | -12.6974 | 2.5648 | 188 | -4.95 | <.0001 |
| visc | 306546 | 0 | . | . | . | . |
| Intercept | 312317 | -12.4790 | 2.8101 | 188 | -4.44 | <.0001 |
| visc | 312317 | 0 | . | . | . | . |
| Intercept | 313195 | 10.3924 | 2.8100 | 188 | 3.70 | 0.0003 |
| visc | 313195 | 0 | . | . | . | . |
| Intercept | 313307 | 0.6239 | 2.5647 | 188 | 0.24 | 0.8081 |
| visc | 313307 | 0 | . | . | . | . |
| Intercept | 313893 | -25.0715 | 2.5647 | 188 | -9.78 | <.0001 |
| visc | 313893 | 0 | . | . | . | . |
| Intercept | 316110 | -18.4034 | 2.5647 | 188 | -7.18 | <.0001 |
| visc | 316110 | 0 | . | . | . | . |
| Intercept | 318562 | -15.8195 | 2.5646 | 188 | -6.17 | <.0001 |
| visc | 318562 | 0 | . | . | . | . |
| Intercept | 320182 | 6.5004 | 2.8100 | 188 | 2.31 | 0.0218 |
## The Mixed Procedure

**Solution for Random Effects**

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## The Mixed Procedure

### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
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| Intercept 358230 | -2.6767 | 2.5647 | 188 | -1.04 | 0.2980 |
| visc 358230 | 0 | . | . | . | . |
| Intercept 359308 | 0.8505 | 2.5647 | 188 | 0.33 | 0.7405 |
| visc 359308 | 0 | . | . | . | . |
| Intercept 364664 | -34.4069 | 2.5647 | 188 | -13.42 | <.0001 |
| visc 364664 | 0 | . | . | . | . |
| Intercept 367836 | 21.6003 | 2.8102 | 188 | 7.69 | <.0001 |
| visc 367836 | 0 | . | . | . | . |
| Intercept 368973 | -4.1114 | 2.8100 | 188 | -1.46 | 0.1451 |
| visc 368973 | 0 | . | . | . | . |
| Intercept 369941 | -36.9919 | 3.2430 | 188 | -11.41 | <.0001 |
| visc 369941 | 0 | . | . | . | . |
| Intercept 370942 | -37.8678 | 2.8101 | 188 | -13.48 | <.0001 |
| visc 370942 | 0 | . | . | . | . |
| Intercept 371021 | -27.5648 | 2.5647 | 188 | -10.75 | <.0001 |
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| Intercept 374068 | -21.4504 | 2.8098 | 188 | -7.60 | <.0001 |
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| Intercept 374687 | -10.5257 | 2.8100 | 188 | -3.75 | 0.0002 |
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| Intercept 380998 | 13.6548 | 2.5647 | 188 | 5.32 | <.0001 |
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| Intercept 383193 | -14.5130 | 2.5647 | 188 | -5.66 | <.0001 |
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| Intercept 383744 | 16.9576 | 2.8097 | 188 | 6.04 | <.0001 |
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| Intercept 385151 | -8.9671 | 4.2562 | 188 | -2.11 | 0.0365 |
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| Intercept 386040 | 16.1178 | 2.8111 | 188 | 5.73 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

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The GLM Procedure

Class Level Information

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Number of observations 131

NOTE: Due to missing values, only 106 observations can be used in this analysis.
### The GLM Procedure

**Dependent Variable:** slope

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| sex       | Male     | 0              | 0       | .    | . |
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| hdyn      | Y        | 0              | 0       | .    | . |
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| bsa_c     | 0        | 0              | 0       | .    | . |
| cic       | 0        | 0              |         | .    | . |
| urine24_c | 0        | 0              | 0       | .    | . |
| esode_cc  | 0        | 0              | 0       | .    | . |
| lalbe_ca  | 0        | 0              | 0       | .    | . |
The GLM Procedure

Dependent Variable: slope

| Parameter   | Estimate | Standard Error | t Value | Pr > |t| |
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NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
### The GLM Procedure

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The Mixed Procedure

Convergence criteria met.

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Fit Statistics

-2 Log Likelihood: 3060.9
AIC (smaller is better): 3068.9
AICC (smaller is better): 3069.0
BIC (smaller is better): 3080.4

Solution for Fixed Effects

| Effect | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|--------|----------|----------------|-----|---------|------|---|
| Intercept | 41.4714 | 1.6146         | 130 | 25.69   | <.001|
| visc    | 2.8954   | 0.1823         | 125 | 15.88   | <.001|


### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF  | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|-----|---------|------|---|
| Intercept | 200922 | -3.7546 | 2.8103 | 188 | -1.34 | 0.1832 |
| visc | 200922 | 0 | . | . | . | . |
| Intercept | 201800 | 37.3116 | 2.5648 | 188 | 14.55 | <.0001 |
| visc | 201800 | 0 | . | . | . | . |
| Intercept | 201877 | 4.6858 | 2.5647 | 188 | 1.83 | 0.0693 |
| visc | 201877 | 0 | . | . | . | . |
| Intercept | 203328 | 14.2445 | 2.5651 | 188 | 5.55 | <.0001 |
| visc | 203328 | 0 | . | . | . | . |
| Intercept | 204555 | 11.5596 | 2.8097 | 188 | 4.11 | <.0001 |
| visc | 204555 | 0 | . | . | . | . |
| Intercept | 205758 | 15.1225 | 2.8100 | 188 | 5.38 | <.0001 |
| visc | 205758 | 0 | . | . | . | . |
| Intercept | 206816 | 12.5110 | 2.8100 | 188 | 4.45 | <.0001 |
| visc | 206816 | 0 | . | . | . | . |
| Intercept | 208280 | -11.1823 | 2.5647 | 188 | -4.36 | <.0001 |
| visc | 208280 | 0 | . | . | . | . |
| Intercept | 208324 | -3.5577 | 2.5647 | 188 | -1.39 | 0.1670 |
| visc | 208324 | 0 | . | . | . | . |
| Intercept | 209281 | -2.9106 | 2.8100 | 188 | -1.04 | 0.3016 |
| visc | 209281 | 0 | . | . | . | . |
| Intercept | 213454 | -21.6323 | 2.5649 | 188 | -8.43 | <.0001 |
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| Intercept | 214376 | -8.1542 | 2.8100 | 188 | -2.90 | 0.0042 |
| visc | 214376 | 0 | . | . | . | . |
| Intercept | 215052 | -11.1776 | 2.8100 | 188 | -3.98 | <.0001 |
| visc | 215052 | 0 | . | . | . | . |
| Intercept | 216086 | 22.9515 | 2.5647 | 188 | 8.95 | <.0001 |
| visc | 216086 | 0 | . | . | . | . |
| Intercept | 220068 | 30.3519 | 2.8100 | 188 | 10.80 | <.0001 |
| visc | 220068 | 0 | . | . | . | . |
| Intercept | 223343 | 9.6299 | 2.5648 | 188 | 3.75 | 0.0002 |
| visc | 223343 | 0 | . | . | . | . |
| Intercept | 223534 | 12.2712 | 2.8100 | 188 | 4.37 | <.0001 |
| visc | 223534 | 0 | . | . | . | . |
| Intercept | 223635 | -22.9023 | 2.8098 | 188 | -8.15 | <.0001 |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|----|---------|-------|---|
| visc   | 223635                | 0        | .            | .  | .       | .     |   |
| Intercept | 224502         | 2.2580   | 2.8097       | 188| 0.80    | 0.4226|   |
| visc   | 224502                | 0        | .            | .  | .       | .     |   |
| Intercept | 226640         | 10.4968  | 2.5647       | 188| 4.09    | <.0001|   |
| visc   | 226640                | 0        | .            | .  | .       | .     |   |
| Intercept | 229428         | 7.9663   | 2.8100       | 188| 2.83    | 0.0051|   |
| visc   | 229428                | 0        | .            | .  | .       | .     |   |
| Intercept | 229733         | 10.5845  | 2.8101       | 188| 3.77    | 0.0002|   |
| visc   | 229733                | 0        | .            | .  | .       | .     |   |
| Intercept | 232174         | -7.0476  | 2.8097       | 188| -2.51   | 0.0130|   |
| visc   | 232174                | 0        | .            | .  | .       | .     |   |
| Intercept | 234053         | 19.5031  | 2.5646       | 188| 7.60    | <.0001|   |
| visc   | 234053                | 0        | .            | .  | .       | .     |   |
| Intercept | 234650         | 6.0678   | 2.5646       | 188| 2.37    | 0.0190|   |
| visc   | 234650                | 0        | .            | .  | .       | .     |   |
| Intercept | 234795         | -27.0646 | 4.2562       | 188| -6.36   | <.0001|   |
| visc   | 234795                | 0        | .            | .  | .       | .     |   |
| Intercept | 235752         | -2.8372  | 2.8099       | 188| -1.01   | 0.3139|   |
| visc   | 235752                | 0        | .            | .  | .       | .     |   |
| Intercept | 236202         | 26.7109  | 2.5647       | 188| 10.41   | <.0001|   |
| visc   | 236202                | 0        | .            | .  | .       | .     |   |
| Intercept | 237192         | 15.5245  | 2.5648       | 188| 6.05    | <.0001|   |
| visc   | 237192                | 0        | .            | .  | .       | .     |   |
| Intercept | 239960         | 18.6316  | 2.8100       | 188| 6.63    | <.0001|   |
| visc   | 239960                | 0        | .            | .  | .       | .     |   |
| Intercept | 241501         | -39.7451 | 2.5659       | 188| -15.49  | <.0001|   |
| visc   | 241501                | 0        | .            | .  | .       | .     |   |
| Intercept | 242715         | -8.3198  | 2.5649       | 188| -3.24   | 0.0014|   |
| visc   | 242715                | 0        | .            | .  | .       | .     |   |
| Intercept | 243560         | -29.1396 | 2.8100       | 188| -10.37  | <.0001|   |
| visc   | 243560                | 0        | .            | .  | .       | .     |   |
| Intercept | 243738         | 20.1938  | 2.8100       | 188| 7.19    | <.0001|   |
| visc   | 243738                | 0        | .            | .  | .       | .     |   |
| Intercept | 244111         | -3.6033  | 2.5651       | 188| -1.40   | 0.1618|   |
| visc   | 244111                | 0        | .            | .  | .       | .     |   |
### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|-----------------------|----------|--------------|----|---------|------|---|
| Intercept | 244831 | -17.5599 | 2.8098 | 188 | -6.25 | <.0001 |
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| Intercept | 245990 | -34.2231 | 2.8101 | 188 | -12.18 | <.0001 |
| viss | 245990 | 0 | . | . | . | . |
| Intercept | 246620 | -21.5209 | 2.5650 | 188 | -8.39 | <.0001 |
| viss | 246620 | 0 | . | . | . | . |
| Intercept | 247880 | -19.9069 | 2.5651 | 188 | -7.76 | <.0001 |
| viss | 247880 | 0 | . | . | . | . |
| Intercept | 248712 | -9.1598 | 2.5650 | 188 | -3.57 | 0.0005 |
| viss | 248712 | 0 | . | . | . | . |
| Intercept | 252086 | 10.1722 | 2.8098 | 188 | 3.62 | 0.0004 |
| viss | 252086 | 0 | . | . | . | . |
| Intercept | 255765 | -4.5835 | 2.5647 | 188 | -1.79 | 0.0755 |
| viss | 255765 | 0 | . | . | . | . |
| Intercept | 256171 | -9.7960 | 2.5644 | 188 | -3.82 | 0.0002 |
| viss | 256171 | 0 | . | . | . | . |
| Intercept | 258950 | 21.0065 | 2.5644 | 188 | 8.48 | <.0001 |
| viss | 258950 | 0 | . | . | . | . |
| Intercept | 259940 | -11.8039 | 4.2562 | 188 | -2.77 | 0.0061 |
| viss | 259940 | 0 | . | . | . | . |
| Intercept | 263617 | -15.0218 | 2.5648 | 188 | -5.86 | <.0001 |
| viss | 263617 | 0 | . | . | . | . |
| Intercept | 264225 | 0.7590 | 2.5648 | 188 | 0.30 | 0.7676 |
| viss | 264225 | 0 | . | . | . | . |
| Intercept | 264348 | -8.6932 | 2.5646 | 188 | -3.39 | 0.0009 |
| viss | 264348 | 0 | . | . | . | . |
| Intercept | 265171 | -39.6192 | 2.8100 | 188 | -14.10 | <.0001 |
| viss | 265171 | 0 | . | . | . | . |
| Intercept | 268455 | 27.4513 | 2.5650 | 188 | -10.70 | <.0001 |
| viss | 268455 | 0 | . | . | . | . |
| Intercept | 271043 | -14.9600 | 2.8102 | 188 | -5.32 | <.0001 |
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| Intercept | 271460 | -23.1863 | 2.5647 | 188 | -9.04 | <.0001 |
| viss | 271460 | 0 | . | . | . | . |
| Intercept | 271662 | 17.1510 | 3.2433 | 188 | 5.29 | <.0001 |
## Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err Pred | DF | t Value | Pr > |t| |
|--------|------------------------|----------|--------------|----|---------|------|---|
| visc   | 271662                 | 0        | .            | .  | .       | .    |   |
| Intercept | 271684             | -12.0453 | 2.8099       | 188| -4.29  | <.0001|
| visc   | 271684                 | 0        | .            | .  | .       | .    |   |
| Intercept | 273214             | 8.6111   | 2.5644       | 188| 3.36   | 0.0010|
| visc   | 273214                 | 0        | .            | .  | .       | .    |   |
| Intercept | 273225             | 17.0310  | 3.2405       | 188| 5.26   | <.0001|
| visc   | 273225                 | 0        | .            | .  | .       | .    |   |
| Intercept | 277490             | 17.6451  | 3.2430       | 188| 5.44   | <.0001|
| visc   | 277490                 | 0        | .            | .  | .       | .    |   |
| Intercept | 281000             | -3.0643  | 2.5646       | 188| -1.19  | 0.2337|
| visc   | 281000                 | 0        | .            | .  | .       | .    |   |
| Intercept | 281977             | 14.0661  | 2.5648       | 188| 5.48   | <.0001|
| visc   | 281977                 | 0        | .            | .  | .       | .    |   |
| Intercept | 283722             | 7.5297   | 2.8102       | 188| 2.68   | 0.0080|
| visc   | 283722                 | 0        | .            | .  | .       | .    |   |
| Intercept | 283935             | 19.8779  | 2.8098       | 188| 7.07   | <.0001|
| visc   | 283935                 | 0        | .            | .  | .       | .    |   |
| Intercept | 285601             | 28.7236  | 2.5648       | 188| 11.20  | <.0001|
| visc   | 285601                 | 0        | .            | .  | .       | .    |   |
| Intercept | 286095             | -3.4491  | 2.5647       | 188| -1.34  | 0.1803|
| visc   | 286095                 | 0        | .            | .  | .       | .    |   |
| Intercept | 290336             | -10.6486 | 2.5650       | 188| -4.15  | <.0001|
| visc   | 290336                 | 0        | .            | .  | .       | .    |   |
| Intercept | 292362             | 31.8640  | 2.5653       | 188| 12.42  | <.0001|
| visc   | 292362                 | 0        | .            | .  | .       | .    |   |
| Intercept | 293317             | 26.1329  | 2.8102       | 188| 9.30   | <.0001|
| visc   | 293317                 | 0        | .            | .  | .       | .    |   |
| Intercept | 293598             | 32.2197  | 2.8098       | 188| 11.47  | <.0001|
| visc   | 293598                 | 0        | .            | .  | .       | .    |   |
| Intercept | 294105             | 24.7597  | 3.2425       | 188| 7.64   | <.0001|
| visc   | 294105                 | 0        | .            | .  | .       | .    |   |
| Intercept | 294511             | -0.3495  | 2.8099       | 188| -0.12  | 0.9011|
| visc   | 294511                 | 0        | .            | .  | .       | .    |   |
| Intercept | 295106             | -12.2558 | 2.5649       | 188| -4.78  | <.0001|
| visc   | 295106                 | 0        | .            | .  | .       | .    |   |
### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant[ID Number] | Estimate | Std Err | DF | t Value | Pr > |t| |
|--------|------------------------|----------|---------|----|---------|-------|----|
| Intercept | 295940 | 8.8838 | 2.5647 | 188 | 3.46 | 0.0007 |
| visc | 295940 | 0 | . | . | . | . |
| Intercept | 298515 | 24.8759 | 2.8101 | 188 | 8.85 | <.0001 |
| visc | 298515 | 0 | . | . | . | . |
| Intercept | 299663 | -11.9370 | 2.5650 | 188 | -4.65 | <.0001 |
| visc | 299663 | 0 | . | . | . | . |
| Intercept | 300641 | -17.5459 | 2.8101 | 188 | -6.24 | <.0001 |
| visc | 300641 | 0 | . | . | . | . |
| Intercept | 300696 | 3.5985 | 2.5648 | 188 | 1.40 | 0.1622 |
| visc | 300696 | 0 | . | . | . | . |
| Intercept | 301157 | 18.3281 | 2.5647 | 188 | 7.15 | <.0001 |
| visc | 301157 | 0 | . | . | . | . |
| Intercept | 301372 | -2.9695 | 2.8097 | 188 | -1.06 | 0.2919 |
| visc | 301372 | 0 | . | . | . | . |
| Intercept | 303868 | -33.6812 | 2.5648 | 188 | -13.13 | <.0001 |
| visc | 303868 | 0 | . | . | . | . |
| Intercept | 304860 | 16.5502 | 2.5646 | 188 | 6.45 | <.0001 |
| visc | 304860 | 0 | . | . | . | . |
| Intercept | 306546 | -12.6974 | 2.5648 | 188 | -4.95 | <.0001 |
| visc | 306546 | 0 | . | . | . | . |
| Intercept | 312317 | -12.4790 | 2.5647 | 188 | -4.44 | <.0001 |
| visc | 312317 | 0 | . | . | . | . |
| Intercept | 313195 | 10.3924 | 2.8100 | 188 | 3.70 | 0.0003 |
| visc | 313195 | 0 | . | . | . | . |
| Intercept | 313307 | 0.6239 | 2.5647 | 188 | 0.24 | 0.8081 |
| visc | 313307 | 0 | . | . | . | . |
| Intercept | 313893 | -25.0715 | 2.5647 | 188 | -9.78 | <.0001 |
| visc | 313893 | 0 | . | . | . | . |
| Intercept | 316110 | -18.4034 | 2.5647 | 188 | -7.18 | <.0001 |
| visc | 316110 | 0 | . | . | . | . |
| Intercept | 318562 | -15.8195 | 2.5646 | 188 | -6.17 | <.0001 |
| visc | 318562 | 0 | . | . | . | . |
| Intercept | 320182 | 6.5004 | 2.8100 | 188 | 2.31 | 0.0218 |
### The Mixed Procedure

**Solution for Random Effects**

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### The Mixed Procedure

#### Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
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| Intercept | 358230 | -2.6767 | 2.5647 | 188 | -1.04 | 0.2980 |
| visc | 358230 | 0 | . | . | . | . |
| Intercept | 359308 | 0.8505 | 2.5647 | 188 | 0.33 | 0.7405 |
| visc | 359308 | 0 | . | . | . | . |
| Intercept | 364664 | -34.4069 | 2.5647 | 188 | -13.42 | <.0001 |
| visc | 364664 | 0 | . | . | . | . |
| Intercept | 367836 | 21.6003 | 2.8102 | 188 | 7.69 | <.0001 |
| visc | 367836 | 0 | . | . | . | . |
| Intercept | 368973 | -4.1114 | 2.8100 | 188 | -1.46 | 0.1451 |
| visc | 368973 | 0 | . | . | . | . |
| Intercept | 369941 | -36.9919 | 3.2430 | 188 | -11.41 | <.0001 |
| visc | 369941 | 0 | . | . | . | . |
| Intercept | 370942 | -37.8678 | 2.8101 | 188 | -13.48 | <.0001 |
| visc | 370942 | 0 | . | . | . | . |
| Intercept | 371021 | -27.5648 | 2.5647 | 188 | -10.75 | <.0001 |
| visc | 371021 | 0 | . | . | . | . |
| Intercept | 374068 | -21.4504 | 2.8098 | 188 | -7.63 | <.0001 |
| visc | 374068 | 0 | . | . | . | . |
| Intercept | 374687 | -10.5257 | 2.8100 | 188 | -3.75 | 0.0002 |
| visc | 374687 | 0 | . | . | . | . |
| Intercept | 376004 | 21.5541 | 2.8101 | 188 | 7.67 | <.0001 |
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| Intercept | 376252 | -12.1916 | 2.5646 | 188 | -4.75 | <.0001 |
| visc | 376252 | 0 | . | . | . | . |
| Intercept | 380166 | -11.6677 | 2.5646 | 188 | -4.55 | <.0001 |
| visc | 380166 | 0 | . | . | . | . |
| Intercept | 380998 | 13.6548 | 2.5647 | 188 | 5.32 | <.0001 |
| visc | 380998 | 0 | . | . | . | . |
| Intercept | 383193 | -14.5130 | 2.5647 | 188 | -5.66 | <.0001 |
| visc | 383193 | 0 | . | . | . | . |
| Intercept | 383744 | 16.9576 | 2.8097 | 188 | 6.04 | <.0001 |
| visc | 383744 | 0 | . | . | . | . |
| Intercept | 385151 | -8.9671 | 4.2562 | 188 | -2.11 | 0.0365 |
| visc | 385151 | 0 | . | . | . | . |
| Intercept | 386040 | 16.1178 | 2.8111 | 188 | 5.73 | <.0001 |
The Mixed Procedure

Solution for Random Effects

| Effect | Participant/ID Number | Estimate | Std Err | Pred DF | t Value | Pr > |t| |
|--------|-----------------------|----------|---------|---------|---------|-------|-----|
| visc   | 386040                | 0        | .       | .       | .       |       |     |
| Intercept | 386488              | 6.4658   | 2.8100  | 188     | 2.30    | 0.0225|     |
| visc   | 386488                | 0        | .       | .       | .       |       |     |
| Intercept | 386758              | 15.4128  | 2.5648  | 188     | 6.01    | <.0001|     |
| visc   | 386758                | 0        | .       | .       | .       |       |     |
| Intercept | 387658              | 4.2520   | 2.5648  | 188     | 1.66    | 0.0990|     |
| visc   | 387658                | 0        | .       | .       | .       |       |     |
| Intercept | 392316              | 4.5050   | 2.5647  | 188     | 1.76    | 0.0806|     |
| visc   | 392316                | 0        | .       | .       | .       |       |     |
| Intercept | 393936              | 7.9252   | 2.8100  | 188     | 2.82    | 0.0053|     |
| visc   | 393936                | 0        | .       | .       | .       |       |     |
| Intercept | 394588              | 21.0762  | 2.8101  | 188     | 7.50    | <.0001|     |
| visc   | 394588                | 0        | .       | .       | .       |       |     |
| Intercept | 397661              | 16.3574  | 2.5647  | 188     | 6.38    | <.0001|     |
| visc   | 397661                | 0        | .       | .       | .       |       |     |
| Intercept | 397931              | 6.1262   | 4.2562  | 188     | 1.44    | 0.1517|     |
| visc   | 397931                | 0        | .       | .       | .       |       |     |

Type 3 Tests of Fixed Effects

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The GLM Procedure

Class Level Information

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Number of observations 131

NOTE: Due to missing values, only 107 observations can be used in this analysis.
## The GLM Procedure

**Dependent Variable: slope**

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| Parameter   | Estimate | Standard Error | t Value | Pr > |t| |
|-------------|----------|----------------|---------|------|-----|
| Intercept   | 0        | B              | 0       | .    | .   |
| sex Female  | 0        | B              | 0       | .    | .   |
| sex Male    | 0        | B              | .       | .    | .   |
| hdyn N      | 0        | B              | 0       | .    | .   |
| hdyn Y      | 0        | B              | .       | .    | .   |
| age         | 0        | 0              | .       | .    | .   |
| lrbf        | 0        | 0              | .       | .    | .   |
| bsa_c       | 0        | 0              | .       | .    | .   |
| MDRD_gfr    | 0        | 0              | .       | .    | .   |
| urine24_c   | 0        | 0              | .       | .    | .   |
| esode_cc    | 0        | 0              | .       | .    | .   |
| lalbe_ca    | 0        | 0              | .       | .    | .   |
The GLM Procedure

Dependent Variable: slope

| Parameter  | Estimate | Standard Error | t Value | Pr > |t| |
|------------|----------|----------------|---------|------|-----|
| lpdlle_ca  | 0        | 0              | .       | .    |
| lpdhle_ca  | 0        | 0              | .       | .    |
| surice_ca  | 0        | 0              | .       | .    |

NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.
The GLM Procedure

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<th>Residual</th>
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