## The Mixed Procedure

### GRUPO=0

| Model Information | |
|---|---|
| Data Set | WORK.E |
| Dependent Variable | cpg36 |
| Covariance Structure | Compound Symmetry |
| Subject Effect | CODIGO |
| Estimation Method | REML |
| Residual Variance Method | Profile |
| Fixed Effects SE Method | Model-Based |
| Degrees of Freedom Method | Between-Within |

| Class Level Information | | |
|---|---|---|
| Class | Levels | Values |
| CODIGO | 24 | 4 10 16 17 19 28 33 34 35 36 44 50 53 57 61 62 64 72 74 77 81 87 89 90 |
| t | 3 | 1 2 3 |

| Dimensions | |
|---|---|
| Covariance Parameters | 2 |
| Columns in X | 2 |
| Columns in Z | 0 |
| Subjects | 24 |
| Max Obs per Subject | 3 |

| Number of Observations | |
|---|---|
| Number of Observations Read | 72 |
| Number of Observations Used | 70 |
| Number of Observations Not Used | 2 |

| Iteration History | | | |
|---|---|---|---|
| Iteration | Evaluations | -2 Res Log Like | Criterion |
| 0 | 1 | 301.93282721 | |
| 1 | 2 | 301.92222038 | 0.00000000 |

Convergence criteria met.

| Estimated R Matrix for CODIGO 4 | | | |
|---|---|---|---|
| Row | Col1 | Col2 | Col3 |
| 1 | 4.4079 | 0.05552 | 0.05552 |
| 2 | 0.05552 | 4.4079 | 0.05552 |
| 3 | 0.05552 | 0.05552 | 4.4079 |

| Estimated R Correlation Matrix for CODIGO 4 | | | |
|---|---|---|---|
| Row | Col1 | Col2 | Col3 |
| 1 | 1.0000 | 0.01260 | 0.01260 |
| 2 | 0.01260 | 1.0000 | 0.01260 |
| 3 | 0.01260 | 0.01260 | 1.0000 |

| Covariance Parameter Estimates | | |
|---|---|---|
| Cov Parm | Subject | Estimate |
| CS | CODIGO | 0.05552 |
| Residual | | 4.3524 |

| Fit Statistics | |
|---|---|
| -2 Res Log Likelihood | 301.9 |
| AIC (Smaller is Better) | 305.9 |
| AICC (Smaller is Better) | 306.1 |
| BIC (Smaller is Better) | 308.3 |

| Null Model Likelihood Ratio Test | | |
|---|---|---|
| DF | Chi-Square | Pr > ChiSq |
| 1 | 0.01 | 0.9180 |

| Solution for Fixed Effects | | | | | |
|---|---|---|---|---|---|
| Effect | Estimate | Standard Error | DF | t Value | Pr > \|t\| |
| Intercept | 1.4277 | 0.3931 | 23 | 3.63 | 0.0014 |
| tempo | 0.09980 | 0.3044 | 45 | 0.33 | 0.7445 |

| Type 3 Tests of Fixed Effects | | | | | | |
|---|---|---|---|---|---|---|
| Effect | Num DF | Den DF | Chi-Square | F Value | Pr > ChiSq | Pr > F |
| tempo | 1 | 45 | 0.11 | 0.11 | 0.7430 | 0.7445 |

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**The Mixed Procedure**

**GRUPO=1**

| Model Information | |
|---|---|
| Data Set | WORK.E |
| Dependent Variable | cpg36 |
| Covariance Structure | Compound Symmetry |
| Subject Effect | CODIGO |
| Estimation Method | REML |
| Residual Variance Method | Profile |
| Fixed Effects SE Method | Model-Based |
| Degrees of Freedom Method | Between-Within |

| Class Level Information | | |
|---|---|---|
| Class | Levels | Values |
| CODIGO | 51 | 3 5 6 7 8 9 12 13 14 15 18 20 21 24 27 32 40 41 42 43 47 48 49 52 54 55 56 58 59 60 63 65 66 67 69 70 71 76 78 79 80 83 84 85 86 88 91 92 93 94 95 |
| t | 3 | 1 2 3 |

| Dimensions | |
|---|---|
| Covariance Parameters | 2 |
| Columns in X | 2 |
| Columns in Z | 0 |
| Subjects | 51 |
| Max Obs per Subject | 3 |

| Number of Observations | |
|---|---|
| Number of Observations Read | 153 |
| Number of Observations Used | 152 |
| Number of Observations Not Used | 1 |

| Iteration History | | | |
|---|---|---|---|
| Iteration | Evaluations | -2 Res Log Like | Criterion |

| Iteration History | | | |
|---|---|---|---|
| Iteration | Evaluations | -2 Res Log Like | Criterion |
| 0 | 1 | 500.04050822 | |
| 1 | 2 | 495.54522144 | 0.00000000 |

Convergence criteria met.

| Estimated R Matrix for CODIGO 3 | | | |
|---|---|---|---|
| Row | Col1 | Col2 | Col3 |
| 1 | 1.5408 | 0.2776 | 0.2776 |
| 2 | 0.2776 | 1.5408 | 0.2776 |
| 3 | 0.2776 | 0.2776 | 1.5408 |

| Estimated R Correlation Matrix for CODIGO 3 | | | |
|---|---|---|---|
| Row | Col1 | Col2 | Col3 |
| 1 | 1.0000 | 0.1802 | 0.1802 |
| 2 | 0.1802 | 1.0000 | 0.1802 |
| 3 | 0.1802 | 0.1802 | 1.0000 |

| Covariance Parameter Estimates | | |
|---|---|---|
| Cov Parm | Subject | Estimate |
| CS | CODIGO | 0.2776 |
| Residual | | 1.2632 |

| Fit Statistics | |
|---|---|
| -2 Res Log Likelihood | 495.5 |
| AIC (Smaller is Better) | 499.5 |
| AICC (Smaller is Better) | 499.6 |
| BIC (Smaller is Better) | 503.4 |

| Null Model Likelihood Ratio Test | | |
|---|---|---|
| DF | Chi-Square | Pr > ChiSq |
| 1 | 4.50 | 0.0340 |

| Solution for Fixed Effects | | | | | |
|---|---|---|---|---|---|
| Effect | Estimate | Standard Error | DF | t Value | Pr > \|t\| |
| Intercept | 0.9138 | 0.1616 | 50 | 5.66 | <.0001 |
| tempo | 0.09671 | 0.1119 | 100 | 0.86 | 0.3896 |

| Type 3 Tests of Fixed Effects | | | | | | |
|---|---|---|---|---|---|---|
| Effect | Num DF | Den DF | Chi-Square | F Value | Pr > ChiSq | Pr > F |
| tempo | 1 | 100 | 0.75 | 0.75 | 0.3875 | 0.3896 |

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**The MEANS Procedure**

**GRUPO=0**

| tempo | N Obs | Variable | Label | Mean |
|---|---|---|---|---|
| 0 | 24 | Lower | | 0.6433419 |
| | | Pred | Predicted Mean | 1.4277077 |
| | | Upper | | 2.2120736 |
| | | StdErrPred | Std Err Pred | 0.3930734 |
| 1 | 24 | Lower | | 1.0206087 |
| | | Pred | Predicted Mean | 1.5275109 |

| tempo | N Obs | Variable | Label | Mean |
|---|---|---|---|---|
| | | Upper | | 2.0344131 |
| | | StdErrPred | Std Err Pred | 0.2540266 |
| 2 | 24 | Lower | | 0.8294674 |
| | | Pred | Predicted Mean | 1.6273141 |
| | | Upper | | 2.4251608 |
| | | StdErrPred | Std Err Pred | 0.3998292 |

**GRUPO=1**

| tempo | N Obs | Variable | Label | Mean |
|---|---|---|---|---|
| 0 | 51 | Lower | | 0.5945610 |
| | | Pred | Predicted Mean | 0.9137759 |
| | | Upper | | 1.2329908 |
| | | StdErrPred | Std Err Pred | 0.1615537 |
| 1 | 51 | Lower | | 0.7786838 |
| | | Pred | Predicted Mean | 1.0104873 |
| | | Upper | | 1.2422909 |
| | | StdErrPred | Std Err Pred | 0.1173151 |
| 2 | 51 | Lower | | 0.7856732 |
| | | Pred | Predicted Mean | 1.1071987 |
| | | Upper | | 1.4287243 |
| | | StdErrPred | Std Err Pred | 0.1627231 |