**Model Summaries & Inferential Statistics (Love, Language, and Linear Algebra)**

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| Models | *df* | AIC | BIC | Log. Lik. | Ratio | *p* |
| Simple Regression | 2 | -1755.52 | -1744.29 | 879.76 |  |  |
| Random Slopes | 3 | -2168.23 | -2151.40 | 1087.12 | 414.72 | < 0.0001 |
| Openness (°) | 4 | -2168.37 | -2145.912 | 1088.18 | 2.13 | 0.14 |
| Extraversion (\*) | 4 | -2176.166 | -2153.715 | 1092.0832 | 9.93 | 0.002 |
| Agreeableness (\*) | 4 | -2181.519 | -2159.067 | 1094.7593 | 15.28 | 0.0001 |
| Conscient. (\*) | 4 | -2185.26 | -2162.81 | 1096.63 | 19.03 | < 0.0001 |
| Emotional Stab. (°) | 4 | -2166.46 | -2144.01 | 1087.23 | 0.22 | 0.64 |

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| Note | Interpretation |
| ° | Model is inferior to Random Slopes Model. |
| \* | Model is superior to Random Slopes Model. |
| \*\* | Results suggestive of a significant effect for this predictor. |

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| Predictor | *b* | *t* | *p* |
| Openness | 0.001 | 1.46 | 0.14 |
| Extraversion (\*\*) | -0.002 | -3.16 | 0.002 |
| Agreeableness (\*\*) | -0.003 | -3.92 | < 0.0001 |
| Conscient. (\*\*) | -0.002 | -4.37 | *<* 0.0001 |
| Emotional Stability | <0.001 | 0.47 | 0.64 |

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| ***Personality Measures*** | **𝜇*female*** | **𝜎*female*** | **𝜇*male*** | **𝜎*male*** | ***Cohen’s d*** |
| **Openness** | 36.83 | 6.27 | 36.89 | 6.05 | 0.01 |
| **Extraversion (\*\*)** | 39.60 | 6.96 | 37.15 | 7.63 | 0.34 |
| **Agreeableness (\*\*)** | 37.65 | 7.09 | 34.91 | 6.03 | 0.42 |
| **Conscient. (\*\*)** | 37.65 | 7.09 | 34.64 | 6.03 | 0.46 |
| **Emotional Stability** | 26.61 | 7.51 | 32.00 | 7.94 | 0.70 |

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| Extraversion | 4 | -2176.166 | -2153.715 | 1092.0832 | 9.93 | 0.002 |
| Agreeableness | 4 | -2181.519 | -2159.067 | 1094.7593 | 15.28 | 0.0001 |
| Conscientiousness | 4 | -2185.26 | -2162.81 | 1096.63 | 19.03 | < 0.0001 |
| Emotional Stability | 4 | -2166.46 | -2144.01 | 1087.23 | 0.22 | 0.64 |