**Results**

**Repeated Measures ANOVA**

| **Within Subjects Effects** | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Sphericity Correction** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η² p** | | **ω²** | |
| ROI |  | Greenhouse-Geisser |  | 0.150 | ᵃ | 4.701 | ᵃ | 0.032 | ᵃ | 38.644 | ᵃ | < .001 | ᵃ | 0.571 |  | 0.314 |  |
| Residual |  | Greenhouse-Geisser |  | 0.113 |  | 136.332 |  | 8.253e -4 |  |  |  |  |  |  |  |  |  |
| Condition |  | Greenhouse-Geisser |  | 1.460 |  | 1.000 |  | 1.460 |  | 216.213 |  | < .001 |  | 0.882 |  | 0.782 |  |
| Residual |  | Greenhouse-Geisser |  | 0.196 |  | 29.000 |  | 0.007 |  |  |  |  |  |  |  |  |  |
| ROI ✻ Condition |  | Greenhouse-Geisser |  | 0.097 | ᵃ | 4.701 | ᵃ | 0.021 | ᵃ | 25.012 | ᵃ | < .001 | ᵃ | 0.463 |  | 0.226 |  |
| Residual |  | Greenhouse-Geisser |  | 0.113 |  | 136.332 |  | 8.253e -4 |  |  |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | | | | | | | |
| ᵃ Mauchly's test of sphericity indicates that the assumption of sphericity is violated (p < .05). | | | | | | | | | | | | | | | | | |

| **Between Subjects Effects** | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η² p** | | **ω²** | |
| Residual |  | 0.196 |  | 29 |  | 0.007 |  |  |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | | | | | |

**Post Hoc Tests**

| **Post Hoc Comparisons - ROI** | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | **95% CI of Mean Difference** | | | |  | | | | | | | |
|  | |  | | **Mean Difference** | | **Lower** | | **Upper** | | **SE** | | **t** | | **Cohen's d** | | **p holm** | |
| ACC |  | ATL |  | 0.036 |  | 0.022 |  | 0.051 |  | 0.004 |  | 8.773 |  | 1.602 |  | < .001 |  |
|  |  | IFG |  | 0.009 |  | -0.005 |  | 0.023 |  | 0.004 |  | 2.336 |  | 0.426 |  | 0.194 |  |
|  |  | Ins |  | 0.017 |  | 0.001 |  | 0.033 |  | 0.004 |  | 3.801 |  | 0.694 |  | 0.010 |  |
|  |  | LTL |  | -0.011 |  | -0.024 |  | 0.003 |  | 0.004 |  | -2.731 |  | -0.499 |  | 0.117 |  |
|  |  | PCC |  | 0.024 |  | 0.009 |  | 0.040 |  | 0.004 |  | 5.441 |  | 0.993 |  | < .001 |  |
|  |  | Prec |  | 0.005 |  | -0.007 |  | 0.017 |  | 0.003 |  | 1.466 |  | 0.268 |  | 0.614 |  |
|  |  | V1 |  | 0.046 |  | 0.028 |  | 0.063 |  | 0.005 |  | 9.392 |  | 1.715 |  | < .001 |  |
|  |  | aPFC |  | 0.013 |  | 0.002 |  | 0.024 |  | 0.003 |  | 4.277 |  | 0.781 |  | 0.003 |  |
| ATL |  | IFG |  | -0.027 |  | -0.043 |  | -0.011 |  | 0.005 |  | -5.977 |  | -1.091 |  | < .001 |  |
|  |  | Ins |  | -0.019 |  | -0.033 |  | -0.006 |  | 0.004 |  | -5.130 |  | -0.937 |  | < .001 |  |
|  |  | LTL |  | -0.047 |  | -0.065 |  | -0.029 |  | 0.005 |  | -9.376 |  | -1.712 |  | < .001 |  |
|  |  | PCC |  | -0.012 |  | -0.026 |  | 0.002 |  | 0.004 |  | -3.029 |  | -0.553 |  | 0.061 |  |
|  |  | Prec |  | -0.031 |  | -0.045 |  | -0.017 |  | 0.004 |  | -7.877 |  | -1.438 |  | < .001 |  |
|  |  | V1 |  | 0.009 |  | -0.004 |  | 0.023 |  | 0.004 |  | 2.407 |  | 0.440 |  | 0.194 |  |
|  |  | aPFC |  | -0.023 |  | -0.038 |  | -0.008 |  | 0.004 |  | -5.431 |  | -0.992 |  | < .001 |  |
| IFG |  | Ins |  | 0.008 |  | -0.004 |  | 0.019 |  | 0.003 |  | 2.384 |  | 0.435 |  | 0.194 |  |
|  |  | LTL |  | -0.020 |  | -0.032 |  | -0.008 |  | 0.003 |  | -5.901 |  | -1.077 |  | < .001 |  |
|  |  | PCC |  | 0.015 |  | 0.002 |  | 0.028 |  | 0.004 |  | 4.081 |  | 0.745 |  | 0.005 |  |
|  |  | Prec |  | -0.004 |  | -0.017 |  | 0.009 |  | 0.004 |  | -1.143 |  | -0.209 |  | 0.718 |  |
|  |  | V1 |  | 0.036 |  | 0.022 |  | 0.051 |  | 0.004 |  | 8.745 |  | 1.597 |  | < .001 |  |
|  |  | aPFC |  | 0.004 |  | -0.008 |  | 0.016 |  | 0.003 |  | 1.201 |  | 0.219 |  | 0.718 |  |
| Ins |  | LTL |  | -0.027 |  | -0.044 |  | -0.011 |  | 0.005 |  | -5.991 |  | -1.094 |  | < .001 |  |
|  |  | PCC |  | 0.008 |  | -0.003 |  | 0.018 |  | 0.003 |  | 2.429 |  | 0.443 |  | 0.194 |  |
|  |  | Prec |  | -0.012 |  | -0.025 |  | 0.001 |  | 0.004 |  | -3.247 |  | -0.593 |  | 0.038 |  |
|  |  | V1 |  | 0.029 |  | 0.020 |  | 0.038 |  | 0.003 |  | 11.305 |  | 2.064 |  | < .001 |  |
|  |  | aPFC |  | -0.004 |  | -0.019 |  | 0.012 |  | 0.005 |  | -0.787 |  | -0.144 |  | 0.718 |  |
| LTL |  | PCC |  | 0.035 |  | 0.019 |  | 0.051 |  | 0.005 |  | 7.763 |  | 1.417 |  | < .001 |  |
|  |  | Prec |  | 0.016 |  | 0.004 |  | 0.027 |  | 0.003 |  | 4.708 |  | 0.860 |  | < .001 |  |
|  |  | V1 |  | 0.056 |  | 0.038 |  | 0.075 |  | 0.005 |  | 10.648 |  | 1.944 |  | < .001 |  |
|  |  | aPFC |  | 0.024 |  | 0.011 |  | 0.037 |  | 0.004 |  | 6.361 |  | 1.161 |  | < .001 |  |
| PCC |  | Prec |  | -0.019 |  | -0.033 |  | -0.006 |  | 0.004 |  | -5.229 |  | -0.955 |  | < .001 |  |
|  |  | V1 |  | 0.021 |  | 0.009 |  | 0.034 |  | 0.004 |  | 5.912 |  | 1.079 |  | < .001 |  |
|  |  | aPFC |  | -0.011 |  | -0.028 |  | 0.006 |  | 0.005 |  | -2.284 |  | -0.417 |  | 0.194 |  |
| Prec |  | V1 |  | 0.041 |  | 0.027 |  | 0.054 |  | 0.004 |  | 10.416 |  | 1.902 |  | < .001 |  |
|  |  | aPFC |  | 0.008 |  | -0.003 |  | 0.020 |  | 0.003 |  | 2.515 |  | 0.459 |  | 0.177 |  |
| V1 |  | aPFC |  | -0.032 |  | -0.051 |  | -0.014 |  | 0.005 |  | -6.266 |  | -1.144 |  | < .001 |  |
|  | | | | | | | | | | | | | | | | | |
| *Note.*  Cohen's d does not correct for multiple comparisons. | | | | | | | | | | | | | | | | | |
| *Note.*  Bonferroni adjusted confidence intervals. | | | | | | | | | | | | | | | | | |

| **Post Hoc Comparisons - Condition** | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | **95% CI of Mean Difference** | | | |  | | | | | | | |
|  | |  | | **Mean Difference** | | **Lower** | | **Upper** | | **SE** | | **t** | | **Cohen's d** | | **p holm** | |
| Chance |  | Estimate |  | -0.104 |  | -0.118 |  | -0.090 |  | 0.007 |  | -14.704 |  | -2.685 |  | < .001 |  |
|  | | | | | | | | | | | | | | | | | |
| *Note.*  Cohen's d does not correct for multiple comparisons. | | | | | | | | | | | | | | | | | |
| *Note.*  Bonferroni adjusted confidence intervals. | | | | | | | | | | | | | | | | | |

| **Post Hoc Comparisons - ROI ✻ Condition** | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | **95% CI of Mean Difference** | | | |  | | | | | | | |
|  | |  | | **Mean Difference** | | **Lower** | | **Upper** | | **SE** | | **t** | | **Cohen's d** | | **p holm** | |
| ACC,Chance |  | ACC,Estimate |  | -0.129 |  | -0.163 |  | -0.096 |  | 0.009 |  | -14.549 |  | -2.656 |  | < .001 |  |
|  |  | ATL,Chance |  | 0.015 |  | -0.006 |  | 0.035 |  | 0.006 |  | 2.550 |  | 0.466 |  | 0.455 |  |
|  |  | ATL,Estimate |  | -0.071 |  | -0.104 |  | -0.037 |  | 0.009 |  | -7.982 |  | -1.457 |  | < .001 |  |
|  |  | IFG,Chance |  | 0.003 |  | -0.018 |  | 0.023 |  | 0.006 |  | 0.459 |  | 0.084 |  | 1.000 |  |
|  |  | IFG,Estimate |  | -0.113 |  | -0.147 |  | -0.080 |  | 0.009 |  | -12.770 |  | -2.331 |  | < .001 |  |
|  |  | Ins,Chance |  | -0.002 |  | -0.022 |  | 0.019 |  | 0.006 |  | -0.274 |  | -0.050 |  | 1.000 |  |
|  |  | Ins,Estimate |  | -0.094 |  | -0.127 |  | -0.060 |  | 0.009 |  | -10.564 |  | -1.929 |  | < .001 |  |
|  |  | LTL,Chance |  | -0.005 |  | -0.026 |  | 0.015 |  | 0.006 |  | -0.940 |  | -0.172 |  | 1.000 |  |
|  |  | LTL,Estimate |  | -0.145 |  | -0.178 |  | -0.111 |  | 0.009 |  | -16.319 |  | -2.979 |  | < .001 |  |
|  |  | PCC,Chance |  | 0.004 |  | -0.016 |  | 0.025 |  | 0.006 |  | 0.780 |  | 0.142 |  | 1.000 |  |
|  |  | PCC,Estimate |  | -0.085 |  | -0.118 |  | -0.051 |  | 0.009 |  | -9.545 |  | -1.743 |  | < .001 |  |
|  |  | Prec,Chance |  | 0.003 |  | -0.018 |  | 0.023 |  | 0.006 |  | 0.452 |  | 0.083 |  | 1.000 |  |
|  |  | Prec,Estimate |  | -0.122 |  | -0.155 |  | -0.088 |  | 0.009 |  | -13.707 |  | -2.503 |  | < .001 |  |
|  |  | V1,Chance |  | 0.005 |  | -0.016 |  | 0.025 |  | 0.006 |  | 0.822 |  | 0.150 |  | 1.000 |  |
|  |  | V1,Estimate |  | -0.042 |  | -0.076 |  | -0.009 |  | 0.009 |  | -4.787 |  | -0.874 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.006 |  | -0.015 |  | 0.026 |  | 0.006 |  | 0.967 |  | 0.177 |  | 1.000 |  |
|  |  | aPFC,Estimate |  | -0.108 |  | -0.141 |  | -0.074 |  | 0.009 |  | -12.157 |  | -2.220 |  | < .001 |  |
| ACC,Estimate |  | ATL,Chance |  | 0.144 |  | 0.110 |  | 0.177 |  | 0.009 |  | 16.183 |  | 2.955 |  | < .001 |  |
|  |  | ATL,Estimate |  | 0.058 |  | 0.038 |  | 0.079 |  | 0.006 |  | 10.249 |  | 1.871 |  | < .001 |  |
|  |  | IFG,Chance |  | 0.132 |  | 0.098 |  | 0.165 |  | 0.009 |  | 14.843 |  | 2.710 |  | < .001 |  |
|  |  | IFG,Estimate |  | 0.016 |  | -0.005 |  | 0.036 |  | 0.006 |  | 2.776 |  | 0.507 |  | 0.246 |  |
|  |  | Ins,Chance |  | 0.128 |  | 0.094 |  | 0.161 |  | 0.009 |  | 14.373 |  | 2.624 |  | < .001 |  |
|  |  | Ins,Estimate |  | 0.035 |  | 0.015 |  | 0.056 |  | 0.006 |  | 6.220 |  | 1.136 |  | < .001 |  |
|  |  | LTL,Chance |  | 0.124 |  | 0.090 |  | 0.157 |  | 0.009 |  | 13.947 |  | 2.546 |  | < .001 |  |
|  |  | LTL,Estimate |  | -0.016 |  | -0.036 |  | 0.005 |  | 0.006 |  | -2.763 |  | -0.504 |  | 0.250 |  |
|  |  | PCC,Chance |  | 0.134 |  | 0.100 |  | 0.167 |  | 0.009 |  | 15.049 |  | 2.748 |  | < .001 |  |
|  |  | PCC,Estimate |  | 0.044 |  | 0.024 |  | 0.065 |  | 0.006 |  | 7.810 |  | 1.426 |  | < .001 |  |
|  |  | Prec,Chance |  | 0.132 |  | 0.098 |  | 0.165 |  | 0.009 |  | 14.839 |  | 2.709 |  | < .001 |  |
|  |  | Prec,Estimate |  | 0.007 |  | -0.013 |  | 0.028 |  | 0.006 |  | 1.314 |  | 0.240 |  | 1.000 |  |
|  |  | V1,Chance |  | 0.134 |  | 0.100 |  | 0.167 |  | 0.009 |  | 15.075 |  | 2.752 |  | < .001 |  |
|  |  | V1,Estimate |  | 0.087 |  | 0.066 |  | 0.107 |  | 0.006 |  | 15.236 |  | 2.782 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.135 |  | 0.101 |  | 0.168 |  | 0.009 |  | 15.168 |  | 2.769 |  | < .001 |  |
|  |  | aPFC,Estimate |  | 0.021 |  | 6.394e -4 |  | 0.042 |  | 0.006 |  | 3.733 |  | 0.681 |  | 0.010 |  |
| ATL,Chance |  | ATL,Estimate |  | -0.085 |  | -0.119 |  | -0.052 |  | 0.009 |  | -9.616 |  | -1.756 |  | < .001 |  |
|  |  | IFG,Chance |  | -0.012 |  | -0.032 |  | 0.009 |  | 0.006 |  | -2.091 |  | -0.382 |  | 1.000 |  |
|  |  | IFG,Estimate |  | -0.128 |  | -0.161 |  | -0.094 |  | 0.009 |  | -14.404 |  | -2.630 |  | < .001 |  |
|  |  | Ins,Chance |  | -0.016 |  | -0.037 |  | 0.005 |  | 0.006 |  | -2.824 |  | -0.516 |  | 0.218 |  |
|  |  | Ins,Estimate |  | -0.108 |  | -0.142 |  | -0.075 |  | 0.009 |  | -12.198 |  | -2.227 |  | < .001 |  |
|  |  | LTL,Chance |  | -0.020 |  | -0.040 |  | 7.405e -4 |  | 0.006 |  | -3.490 |  | -0.637 |  | 0.024 |  |
|  |  | LTL,Estimate |  | -0.159 |  | -0.193 |  | -0.126 |  | 0.009 |  | -17.953 |  | -3.278 |  | < .001 |  |
|  |  | PCC,Chance |  | -0.010 |  | -0.031 |  | 0.011 |  | 0.006 |  | -1.770 |  | -0.323 |  | 1.000 |  |
|  |  | PCC,Estimate |  | -0.099 |  | -0.133 |  | -0.066 |  | 0.009 |  | -11.179 |  | -2.041 |  | < .001 |  |
|  |  | Prec,Chance |  | -0.012 |  | -0.033 |  | 0.009 |  | 0.006 |  | -2.098 |  | -0.383 |  | 1.000 |  |
|  |  | Prec,Estimate |  | -0.136 |  | -0.170 |  | -0.103 |  | 0.009 |  | -15.341 |  | -2.801 |  | < .001 |  |
|  |  | V1,Chance |  | -0.010 |  | -0.030 |  | 0.011 |  | 0.006 |  | -1.729 |  | -0.316 |  | 1.000 |  |
|  |  | V1,Estimate |  | -0.057 |  | -0.091 |  | -0.023 |  | 0.009 |  | -6.421 |  | -1.172 |  | < .001 |  |
|  |  | aPFC,Chance |  | -0.009 |  | -0.030 |  | 0.012 |  | 0.006 |  | -1.583 |  | -0.289 |  | 1.000 |  |
|  |  | aPFC,Estimate |  | -0.122 |  | -0.156 |  | -0.089 |  | 0.009 |  | -13.791 |  | -2.518 |  | < .001 |  |
| ATL,Estimate |  | IFG,Chance |  | 0.073 |  | 0.040 |  | 0.107 |  | 0.009 |  | 8.277 |  | 1.511 |  | < .001 |  |
|  |  | IFG,Estimate |  | -0.042 |  | -0.063 |  | -0.022 |  | 0.006 |  | -7.473 |  | -1.364 |  | < .001 |  |
|  |  | Ins,Chance |  | 0.069 |  | 0.036 |  | 0.103 |  | 0.009 |  | 7.807 |  | 1.425 |  | < .001 |  |
|  |  | Ins,Estimate |  | -0.023 |  | -0.043 |  | -0.002 |  | 0.006 |  | -4.029 |  | -0.736 |  | 0.003 |  |
|  |  | LTL,Chance |  | 0.066 |  | 0.032 |  | 0.099 |  | 0.009 |  | 7.380 |  | 1.347 |  | < .001 |  |
|  |  | LTL,Estimate |  | -0.074 |  | -0.095 |  | -0.053 |  | 0.006 |  | -13.012 |  | -2.376 |  | < .001 |  |
|  |  | PCC,Chance |  | 0.075 |  | 0.042 |  | 0.109 |  | 0.009 |  | 8.482 |  | 1.549 |  | < .001 |  |
|  |  | PCC,Estimate |  | -0.014 |  | -0.034 |  | 0.007 |  | 0.006 |  | -2.440 |  | -0.445 |  | 0.588 |  |
|  |  | Prec,Chance |  | 0.073 |  | 0.040 |  | 0.107 |  | 0.009 |  | 8.272 |  | 1.510 |  | < .001 |  |
|  |  | Prec,Estimate |  | -0.051 |  | -0.071 |  | -0.030 |  | 0.006 |  | -8.936 |  | -1.631 |  | < .001 |  |
|  |  | V1,Chance |  | 0.076 |  | 0.042 |  | 0.109 |  | 0.009 |  | 8.509 |  | 1.553 |  | < .001 |  |
|  |  | V1,Estimate |  | 0.028 |  | 0.008 |  | 0.049 |  | 0.006 |  | 4.987 |  | 0.911 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.076 |  | 0.043 |  | 0.110 |  | 0.009 |  | 8.602 |  | 1.571 |  | < .001 |  |
|  |  | aPFC,Estimate |  | -0.037 |  | -0.058 |  | -0.016 |  | 0.006 |  | -6.517 |  | -1.190 |  | < .001 |  |
| IFG,Chance |  | IFG,Estimate |  | -0.116 |  | -0.150 |  | -0.082 |  | 0.009 |  | -13.064 |  | -2.385 |  | < .001 |  |
|  |  | Ins,Chance |  | -0.004 |  | -0.025 |  | 0.016 |  | 0.006 |  | -0.733 |  | -0.134 |  | 1.000 |  |
|  |  | Ins,Estimate |  | -0.096 |  | -0.130 |  | -0.063 |  | 0.009 |  | -10.858 |  | -1.982 |  | < .001 |  |
|  |  | LTL,Chance |  | -0.008 |  | -0.029 |  | 0.013 |  | 0.006 |  | -1.399 |  | -0.255 |  | 1.000 |  |
|  |  | LTL,Estimate |  | -0.147 |  | -0.181 |  | -0.114 |  | 0.009 |  | -16.613 |  | -3.033 |  | < .001 |  |
|  |  | PCC,Chance |  | 0.002 |  | -0.019 |  | 0.022 |  | 0.006 |  | 0.321 |  | 0.059 |  | 1.000 |  |
|  |  | PCC,Estimate |  | -0.087 |  | -0.121 |  | -0.054 |  | 0.009 |  | -9.840 |  | -1.796 |  | < .001 |  |
|  |  | Prec,Chance |  | -4.049e -5 |  | -0.021 |  | 0.021 |  | 0.006 |  | -0.007 |  | -0.001 |  | 1.000 |  |
|  |  | Prec,Estimate |  | -0.124 |  | -0.158 |  | -0.091 |  | 0.009 |  | -14.001 |  | -2.556 |  | < .001 |  |
|  |  | V1,Chance |  | 0.002 |  | -0.019 |  | 0.023 |  | 0.006 |  | 0.362 |  | 0.066 |  | 1.000 |  |
|  |  | V1,Estimate |  | -0.045 |  | -0.079 |  | -0.012 |  | 0.009 |  | -5.081 |  | -0.928 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.003 |  | -0.018 |  | 0.023 |  | 0.006 |  | 0.508 |  | 0.093 |  | 1.000 |  |
|  |  | aPFC,Estimate |  | -0.111 |  | -0.144 |  | -0.077 |  | 0.009 |  | -12.452 |  | -2.273 |  | < .001 |  |
| IFG,Estimate |  | Ins,Chance |  | 0.112 |  | 0.078 |  | 0.145 |  | 0.009 |  | 12.594 |  | 2.299 |  | < .001 |  |
|  |  | Ins,Estimate |  | 0.020 |  | -0.001 |  | 0.040 |  | 0.006 |  | 3.443 |  | 0.629 |  | 0.028 |  |
|  |  | LTL,Chance |  | 0.108 |  | 0.074 |  | 0.142 |  | 0.009 |  | 12.168 |  | 2.222 |  | < .001 |  |
|  |  | LTL,Estimate |  | -0.031 |  | -0.052 |  | -0.011 |  | 0.006 |  | -5.539 |  | -1.011 |  | < .001 |  |
|  |  | PCC,Chance |  | 0.118 |  | 0.084 |  | 0.151 |  | 0.009 |  | 13.270 |  | 2.423 |  | < .001 |  |
|  |  | PCC,Estimate |  | 0.029 |  | 0.008 |  | 0.049 |  | 0.006 |  | 5.033 |  | 0.919 |  | < .001 |  |
|  |  | Prec,Chance |  | 0.116 |  | 0.082 |  | 0.149 |  | 0.009 |  | 13.060 |  | 2.384 |  | < .001 |  |
|  |  | Prec,Estimate |  | -0.008 |  | -0.029 |  | 0.012 |  | 0.006 |  | -1.463 |  | -0.267 |  | 1.000 |  |
|  |  | V1,Chance |  | 0.118 |  | 0.084 |  | 0.152 |  | 0.009 |  | 13.296 |  | 2.428 |  | < .001 |  |
|  |  | V1,Estimate |  | 0.071 |  | 0.050 |  | 0.091 |  | 0.006 |  | 12.460 |  | 2.275 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.119 |  | 0.085 |  | 0.152 |  | 0.009 |  | 13.390 |  | 2.445 |  | < .001 |  |
|  |  | aPFC,Estimate |  | 0.005 |  | -0.015 |  | 0.026 |  | 0.006 |  | 0.956 |  | 0.175 |  | 1.000 |  |
| Ins,Chance |  | Ins,Estimate |  | -0.092 |  | -0.126 |  | -0.059 |  | 0.009 |  | -10.388 |  | -1.897 |  | < .001 |  |
|  |  | LTL,Chance |  | -0.004 |  | -0.024 |  | 0.017 |  | 0.006 |  | -0.666 |  | -0.122 |  | 1.000 |  |
|  |  | LTL,Estimate |  | -0.143 |  | -0.177 |  | -0.110 |  | 0.009 |  | -16.144 |  | -2.947 |  | < .001 |  |
|  |  | PCC,Chance |  | 0.006 |  | -0.015 |  | 0.027 |  | 0.006 |  | 1.054 |  | 0.192 |  | 1.000 |  |
|  |  | PCC,Estimate |  | -0.083 |  | -0.117 |  | -0.050 |  | 0.009 |  | -9.370 |  | -1.711 |  | < .001 |  |
|  |  | Prec,Chance |  | 0.004 |  | -0.016 |  | 0.025 |  | 0.006 |  | 0.726 |  | 0.133 |  | 1.000 |  |
|  |  | Prec,Estimate |  | -0.120 |  | -0.154 |  | -0.087 |  | 0.009 |  | -13.532 |  | -2.471 |  | < .001 |  |
|  |  | V1,Chance |  | 0.006 |  | -0.014 |  | 0.027 |  | 0.006 |  | 1.095 |  | 0.200 |  | 1.000 |  |
|  |  | V1,Estimate |  | -0.041 |  | -0.074 |  | -0.007 |  | 0.009 |  | -4.612 |  | -0.842 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.007 |  | -0.014 |  | 0.028 |  | 0.006 |  | 1.241 |  | 0.227 |  | 1.000 |  |
|  |  | aPFC,Estimate |  | -0.106 |  | -0.140 |  | -0.073 |  | 0.009 |  | -11.982 |  | -2.188 |  | < .001 |  |
| Ins,Estimate |  | LTL,Chance |  | 0.088 |  | 0.055 |  | 0.122 |  | 0.009 |  | 9.962 |  | 1.819 |  | < .001 |  |
|  |  | LTL,Estimate |  | -0.051 |  | -0.072 |  | -0.030 |  | 0.006 |  | -8.983 |  | -1.640 |  | < .001 |  |
|  |  | PCC,Chance |  | 0.098 |  | 0.065 |  | 0.132 |  | 0.009 |  | 11.064 |  | 2.020 |  | < .001 |  |
|  |  | PCC,Estimate |  | 0.009 |  | -0.012 |  | 0.030 |  | 0.006 |  | 1.590 |  | 0.290 |  | 1.000 |  |
|  |  | Prec,Chance |  | 0.096 |  | 0.063 |  | 0.130 |  | 0.009 |  | 10.854 |  | 1.982 |  | < .001 |  |
|  |  | Prec,Estimate |  | -0.028 |  | -0.048 |  | -0.007 |  | 0.006 |  | -4.906 |  | -0.896 |  | < .001 |  |
|  |  | V1,Chance |  | 0.098 |  | 0.065 |  | 0.132 |  | 0.009 |  | 11.090 |  | 2.025 |  | < .001 |  |
|  |  | V1,Estimate |  | 0.051 |  | 0.031 |  | 0.072 |  | 0.006 |  | 9.017 |  | 1.646 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.099 |  | 0.066 |  | 0.133 |  | 0.009 |  | 11.184 |  | 2.042 |  | < .001 |  |
|  |  | aPFC,Estimate |  | -0.014 |  | -0.035 |  | 0.006 |  | 0.006 |  | -2.487 |  | -0.454 |  | 0.529 |  |
| LTL,Chance |  | LTL,Estimate |  | -0.139 |  | -0.173 |  | -0.106 |  | 0.009 |  | -15.717 |  | -2.869 |  | < .001 |  |
|  |  | PCC,Chance |  | 0.010 |  | -0.011 |  | 0.030 |  | 0.006 |  | 1.720 |  | 0.314 |  | 1.000 |  |
|  |  | PCC,Estimate |  | -0.079 |  | -0.113 |  | -0.046 |  | 0.009 |  | -8.943 |  | -1.633 |  | < .001 |  |
|  |  | Prec,Chance |  | 0.008 |  | -0.013 |  | 0.029 |  | 0.006 |  | 1.392 |  | 0.254 |  | 1.000 |  |
|  |  | Prec,Estimate |  | -0.116 |  | -0.150 |  | -0.083 |  | 0.009 |  | -13.105 |  | -2.393 |  | < .001 |  |
|  |  | V1,Chance |  | 0.010 |  | -0.011 |  | 0.031 |  | 0.006 |  | 1.761 |  | 0.322 |  | 1.000 |  |
|  |  | V1,Estimate |  | -0.037 |  | -0.071 |  | -0.004 |  | 0.009 |  | -4.185 |  | -0.764 |  | 0.004 |  |
|  |  | aPFC,Chance |  | 0.011 |  | -0.010 |  | 0.031 |  | 0.006 |  | 1.907 |  | 0.348 |  | 1.000 |  |
|  |  | aPFC,Estimate |  | -0.103 |  | -0.136 |  | -0.069 |  | 0.009 |  | -11.555 |  | -2.110 |  | < .001 |  |
| LTL,Estimate |  | PCC,Chance |  | 0.149 |  | 0.116 |  | 0.183 |  | 0.009 |  | 16.819 |  | 3.071 |  | < .001 |  |
|  |  | PCC,Estimate |  | 0.060 |  | 0.040 |  | 0.081 |  | 0.006 |  | 10.573 |  | 1.930 |  | < .001 |  |
|  |  | Prec,Chance |  | 0.147 |  | 0.114 |  | 0.181 |  | 0.009 |  | 16.609 |  | 3.032 |  | < .001 |  |
|  |  | Prec,Estimate |  | 0.023 |  | 0.003 |  | 0.044 |  | 0.006 |  | 4.077 |  | 0.744 |  | 0.003 |  |
|  |  | V1,Chance |  | 0.150 |  | 0.116 |  | 0.183 |  | 0.009 |  | 16.845 |  | 3.076 |  | < .001 |  |
|  |  | V1,Estimate |  | 0.102 |  | 0.082 |  | 0.123 |  | 0.006 |  | 17.999 |  | 3.286 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.150 |  | 0.117 |  | 0.184 |  | 0.009 |  | 16.939 |  | 3.093 |  | < .001 |  |
|  |  | aPFC,Estimate |  | 0.037 |  | 0.016 |  | 0.058 |  | 0.006 |  | 6.496 |  | 1.186 |  | < .001 |  |
| PCC,Chance |  | PCC,Estimate |  | -0.089 |  | -0.123 |  | -0.056 |  | 0.009 |  | -10.045 |  | -1.834 |  | < .001 |  |
|  |  | Prec,Chance |  | -0.002 |  | -0.022 |  | 0.019 |  | 0.006 |  | -0.328 |  | -0.060 |  | 1.000 |  |
|  |  | Prec,Estimate |  | -0.126 |  | -0.160 |  | -0.093 |  | 0.009 |  | -14.207 |  | -2.594 |  | < .001 |  |
|  |  | V1,Chance |  | 2.343e -4 |  | -0.020 |  | 0.021 |  | 0.006 |  | 0.041 |  | 0.008 |  | 1.000 |  |
|  |  | V1,Estimate |  | -0.047 |  | -0.080 |  | -0.013 |  | 0.009 |  | -5.287 |  | -0.965 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.001 |  | -0.020 |  | 0.022 |  | 0.006 |  | 0.187 |  | 0.034 |  | 1.000 |  |
|  |  | aPFC,Estimate |  | -0.112 |  | -0.146 |  | -0.079 |  | 0.009 |  | -12.657 |  | -2.311 |  | < .001 |  |
| PCC,Estimate |  | Prec,Chance |  | 0.087 |  | 0.054 |  | 0.121 |  | 0.009 |  | 9.835 |  | 1.796 |  | < .001 |  |
|  |  | Prec,Estimate |  | -0.037 |  | -0.058 |  | -0.016 |  | 0.006 |  | -6.496 |  | -1.186 |  | < .001 |  |
|  |  | V1,Chance |  | 0.089 |  | 0.056 |  | 0.123 |  | 0.009 |  | 10.072 |  | 1.839 |  | < .001 |  |
|  |  | V1,Estimate |  | 0.042 |  | 0.022 |  | 0.063 |  | 0.006 |  | 7.427 |  | 1.356 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.090 |  | 0.057 |  | 0.124 |  | 0.009 |  | 10.165 |  | 1.856 |  | < .001 |  |
|  |  | aPFC,Estimate |  | -0.023 |  | -0.044 |  | -0.003 |  | 0.006 |  | -4.077 |  | -0.744 |  | 0.003 |  |
| Prec,Chance |  | Prec,Estimate |  | -0.124 |  | -0.158 |  | -0.091 |  | 0.009 |  | -13.997 |  | -2.555 |  | < .001 |  |
|  |  | V1,Chance |  | 0.002 |  | -0.018 |  | 0.023 |  | 0.006 |  | 0.369 |  | 0.067 |  | 1.000 |  |
|  |  | V1,Estimate |  | -0.045 |  | -0.079 |  | -0.012 |  | 0.009 |  | -5.077 |  | -0.927 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.003 |  | -0.018 |  | 0.024 |  | 0.006 |  | 0.515 |  | 0.094 |  | 1.000 |  |
|  |  | aPFC,Estimate |  | -0.110 |  | -0.144 |  | -0.077 |  | 0.009 |  | -12.447 |  | -2.273 |  | < .001 |  |
| Prec,Estimate |  | V1,Chance |  | 0.126 |  | 0.093 |  | 0.160 |  | 0.009 |  | 14.234 |  | 2.599 |  | < .001 |  |
|  |  | V1,Estimate |  | 0.079 |  | 0.059 |  | 0.100 |  | 0.006 |  | 13.923 |  | 2.542 |  | < .001 |  |
|  |  | aPFC,Chance |  | 0.127 |  | 0.094 |  | 0.161 |  | 0.009 |  | 14.327 |  | 2.616 |  | < .001 |  |
|  |  | aPFC,Estimate |  | 0.014 |  | -0.007 |  | 0.034 |  | 0.006 |  | 2.419 |  | 0.442 |  | 0.606 |  |
| V1,Chance |  | V1,Estimate |  | -0.047 |  | -0.081 |  | -0.014 |  | 0.009 |  | -5.313 |  | -0.970 |  | < .001 |  |
|  |  | aPFC,Chance |  | 8.288e -4 |  | -0.020 |  | 0.021 |  | 0.006 |  | 0.146 |  | 0.027 |  | 1.000 |  |
|  |  | aPFC,Estimate |  | -0.113 |  | -0.146 |  | -0.079 |  | 0.009 |  | -12.684 |  | -2.316 |  | < .001 |  |
| V1,Estimate |  | aPFC,Chance |  | 0.048 |  | 0.014 |  | 0.082 |  | 0.009 |  | 5.407 |  | 0.987 |  | < .001 |  |
|  |  | aPFC,Estimate |  | -0.065 |  | -0.086 |  | -0.045 |  | 0.006 |  | -11.504 |  | -2.100 |  | < .001 |  |
| aPFC,Chance |  | aPFC,Estimate |  | -0.113 |  | -0.147 |  | -0.080 |  | 0.009 |  | -12.777 |  | -2.333 |  | < .001 |  |
|  | | | | | | | | | | | | | | | | | |
| *Note.*  Cohen's d does not correct for multiple comparisons. | | | | | | | | | | | | | | | | | |
| *Note.*  Bonferroni adjusted confidence intervals. | | | | | | | | | | | | | | | | | |

**Descriptives**

| **Descriptives** | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | | **Condition** | | **Mean** | | **SD** | | **N** | |
| LTL |  | Estimate |  | 0.682 |  | 0.065 |  | 30 |  |
|  |  | Chance |  | 0.543 |  | 0.000 |  | 30 |  |
| IFG |  | Estimate |  | 0.651 |  | 0.048 |  | 30 |  |
|  |  | Chance |  | 0.535 |  | 0.000 |  | 30 |  |
| Prec |  | Estimate |  | 0.659 |  | 0.049 |  | 30 |  |
|  |  | Chance |  | 0.535 |  | 0.000 |  | 30 |  |
| ATL |  | Estimate |  | 0.608 |  | 0.047 |  | 30 |  |
|  |  | Chance |  | 0.523 |  | 0.000 |  | 30 |  |
| aPFC |  | Estimate |  | 0.645 |  | 0.062 |  | 30 |  |
|  |  | Chance |  | 0.532 |  | 0.000 |  | 30 |  |
| Ins |  | Estimate |  | 0.631 |  | 0.029 |  | 30 |  |
|  |  | Chance |  | 0.539 |  | 0.000 |  | 30 |  |
| ACC |  | Estimate |  | 0.666 |  | 0.058 |  | 30 |  |
|  |  | Chance |  | 0.537 |  | 0.000 |  | 30 |  |
| PCC |  | Estimate |  | 0.622 |  | 0.035 |  | 30 |  |
|  |  | Chance |  | 0.533 |  | 0.000 |  | 30 |  |
| V1 |  | Estimate |  | 0.580 |  | 0.028 |  | 30 |  |
|  |  | Chance |  | 0.533 |  | 0.000 |  | 30 |  |
|  | | | | | | | | | |

**Descriptives Plot**

