**Results**

**Repeated Measures ANOVA**

| **Within Subjects Effects** | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Sphericity Correction** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | | **η² p** | |
| Region of interest |  | Greenhouse-Geisser |  | 0.187 | ᵃ | 4.314 | ᵃ | 0.043 | ᵃ | 28.66 | ᵃ | < .001 | ᵃ | 0.497 |  | 0.497 |  |
| Residual |  | Greenhouse-Geisser |  | 0.190 |  | 125.111 |  | 0.002 |  |  |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | | | | | |
| *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** | | **η² p** | |
| Residual |  | 0.390 |  | 29 |  | 0.013 |  |  |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | | | | | |

**Post Hoc Tests**

| **Post Hoc Comparisons - Region of interest** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p bonf** | | **p holm** | |
| LITG |  | IFG |  | 0.030 |  | 0.007 |  | 4.476 |  | 0.004 |  | 0.002 |  |
|  |  | PREC |  | 0.029 |  | 0.006 |  | 4.606 |  | 0.003 |  | 0.002 |  |
|  |  | ATL |  | 0.074 |  | 0.010 |  | 7.746 |  | < .001 |  | < .001 |  |
|  |  | APFC |  | 0.051 |  | 0.006 |  | 8.075 |  | < .001 |  | < .001 |  |
|  |  | AI |  | 0.053 |  | 0.008 |  | 6.589 |  | < .001 |  | < .001 |  |
|  |  | ACC |  | 0.038 |  | 0.007 |  | 5.245 |  | < .001 |  | < .001 |  |
|  |  | PCC |  | 0.064 |  | 0.010 |  | 6.558 |  | < .001 |  | < .001 |  |
|  |  | V1 |  | 0.095 |  | 0.010 |  | 9.369 |  | < .001 |  | < .001 |  |
| IFG |  | PREC |  | -8.036e -4 |  | 0.006 |  | -0.134 |  | 1.000 |  | 1.000 |  |
|  |  | ATL |  | 0.044 |  | 0.007 |  | 5.894 |  | < .001 |  | < .001 |  |
|  |  | APFC |  | 0.021 |  | 0.007 |  | 3.120 |  | 0.147 |  | 0.049 |  |
|  |  | AI |  | 0.023 |  | 0.005 |  | 4.669 |  | 0.002 |  | 0.001 |  |
|  |  | ACC |  | 0.008 |  | 0.006 |  | 1.359 |  | 1.000 |  | 0.674 |  |
|  |  | PCC |  | 0.033 |  | 0.007 |  | 4.975 |  | < .001 |  | < .001 |  |
|  |  | V1 |  | 0.065 |  | 0.009 |  | 7.299 |  | < .001 |  | < .001 |  |
| PREC |  | ATL |  | 0.045 |  | 0.008 |  | 5.507 |  | < .001 |  | < .001 |  |
|  |  | APFC |  | 0.021 |  | 0.006 |  | 3.700 |  | 0.032 |  | 0.013 |  |
|  |  | AI |  | 0.024 |  | 0.007 |  | 3.572 |  | 0.045 |  | 0.018 |  |
|  |  | ACC |  | 0.009 |  | 0.005 |  | 1.638 |  | 1.000 |  | 0.674 |  |
|  |  | PCC |  | 0.034 |  | 0.007 |  | 4.971 |  | < .001 |  | < .001 |  |
|  |  | V1 |  | 0.066 |  | 0.008 |  | 7.920 |  | < .001 |  | < .001 |  |
| ATL |  | APFC |  | -0.024 |  | 0.008 |  | -2.937 |  | 0.231 |  | 0.071 |  |
|  |  | AI |  | -0.021 |  | 0.007 |  | -3.255 |  | 0.104 |  | 0.037 |  |
|  |  | ACC |  | -0.036 |  | 0.008 |  | -4.311 |  | 0.006 |  | 0.003 |  |
|  |  | PCC |  | -0.011 |  | 0.007 |  | -1.619 |  | 1.000 |  | 0.674 |  |
|  |  | V1 |  | 0.021 |  | 0.007 |  | 2.918 |  | 0.242 |  | 0.071 |  |
| APFC |  | AI |  | 0.002 |  | 0.008 |  | 0.293 |  | 1.000 |  | 1.000 |  |
|  |  | ACC |  | -0.013 |  | 0.006 |  | -2.051 |  | 1.000 |  | 0.346 |  |
|  |  | PCC |  | 0.013 |  | 0.008 |  | 1.515 |  | 1.000 |  | 0.674 |  |
|  |  | V1 |  | 0.044 |  | 0.010 |  | 4.402 |  | 0.005 |  | 0.003 |  |
| AI |  | ACC |  | -0.015 |  | 0.006 |  | -2.292 |  | 1.000 |  | 0.264 |  |
|  |  | PCC |  | 0.011 |  | 0.005 |  | 2.115 |  | 1.000 |  | 0.345 |  |
|  |  | V1 |  | 0.042 |  | 0.006 |  | 7.192 |  | < .001 |  | < .001 |  |
| ACC |  | PCC |  | 0.025 |  | 0.006 |  | 4.143 |  | 0.010 |  | 0.004 |  |
|  |  | V1 |  | 0.057 |  | 0.009 |  | 6.084 |  | < .001 |  | < .001 |  |
| PCC |  | V1 |  | 0.032 |  | 0.007 |  | 4.246 |  | 0.007 |  | 0.003 |  |
|  | | | | | | | | | | | | | |

**Descriptives**

| **Descriptives** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Region of interest** | | **Mean** | | **SD** | | **N** | |
| LITG |  | 0.466 |  | 0.067 |  | 30 |  |
| IFG |  | 0.436 |  | 0.051 |  | 30 |  |
| PREC |  | 0.436 |  | 0.049 |  | 30 |  |
| ATL |  | 0.392 |  | 0.039 |  | 30 |  |
| APFC |  | 0.415 |  | 0.059 |  | 30 |  |
| AI |  | 0.413 |  | 0.034 |  | 30 |  |
| ACC |  | 0.428 |  | 0.052 |  | 30 |  |
| PCC |  | 0.402 |  | 0.030 |  | 30 |  |
| V1 |  | 0.371 |  | 0.030 |  | 30 |  |
|  | | | | | | | |

**Descriptives Plot**

