**Results**

**Repeated Measures ANOVA**

| **Within Subjects Effects** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η² p** | |
| ROI |  | 0.040 |  | 8 |  | 0.005 |  | 8.195 |  | 9.305e -10 |  | 0.220 |  |
| Residual |  | 0.140 |  | 232 |  | 6.028e -4 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | | | |

| **Between Subjects Effects** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η² p** | |
| Residual |  | 0.100 |  | 29 |  | 0.003 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| *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** | | **p bonf** | |
| ACC |  | ATL |  | 0.027 |  | 5.262e -4 |  | 0.053 |  | 0.007 |  | 3.606 |  | 0.658 |  | 0.032 |  | 0.042 |  |
|  |  | IFG |  | -0.006 |  | -0.031 |  | 0.019 |  | 0.007 |  | -0.889 |  | -0.162 |  | 1.000 |  | 1.000 |  |
|  |  | Ins |  | -0.003 |  | -0.024 |  | 0.018 |  | 0.006 |  | -0.465 |  | -0.085 |  | 1.000 |  | 1.000 |  |
|  |  | LTL |  | -0.012 |  | -0.033 |  | 0.009 |  | 0.006 |  | -1.984 |  | -0.362 |  | 0.965 |  | 1.000 |  |
|  |  | PCC |  | 0.007 |  | -0.014 |  | 0.027 |  | 0.006 |  | 1.141 |  | 0.208 |  | 1.000 |  | 1.000 |  |
|  |  | Prec |  | -0.003 |  | -0.018 |  | 0.012 |  | 0.004 |  | -0.660 |  | -0.120 |  | 1.000 |  | 1.000 |  |
|  |  | V1 |  | 0.021 |  | -0.006 |  | 0.047 |  | 0.007 |  | 2.795 |  | 0.510 |  | 0.228 |  | 0.328 |  |
|  |  | aPFC |  | 0.010 |  | -0.011 |  | 0.030 |  | 0.006 |  | 1.673 |  | 0.305 |  | 1.000 |  | 1.000 |  |
| ATL |  | IFG |  | -0.033 |  | -0.059 |  | -0.008 |  | 0.007 |  | -4.625 |  | -0.844 |  | 0.003 |  | 0.003 |  |
|  |  | Ins |  | -0.030 |  | -0.054 |  | -0.006 |  | 0.007 |  | -4.387 |  | -0.801 |  | 0.004 |  | 0.005 |  |
|  |  | LTL |  | -0.039 |  | -0.067 |  | -0.011 |  | 0.008 |  | -4.896 |  | -0.894 |  | 0.001 |  | 0.001 |  |
|  |  | PCC |  | -0.020 |  | -0.045 |  | 0.004 |  | 0.007 |  | -2.962 |  | -0.541 |  | 0.157 |  | 0.218 |  |
|  |  | Prec |  | -0.030 |  | -0.053 |  | -0.007 |  | 0.007 |  | -4.574 |  | -0.835 |  | 0.003 |  | 0.003 |  |
|  |  | V1 |  | -0.006 |  | -0.029 |  | 0.017 |  | 0.007 |  | -0.924 |  | -0.169 |  | 1.000 |  | 1.000 |  |
|  |  | aPFC |  | -0.017 |  | -0.041 |  | 0.006 |  | 0.007 |  | -2.577 |  | -0.471 |  | 0.352 |  | 0.551 |  |
| IFG |  | Ins |  | 0.003 |  | -0.015 |  | 0.022 |  | 0.005 |  | 0.682 |  | 0.125 |  | 1.000 |  | 1.000 |  |
|  |  | LTL |  | -0.006 |  | -0.031 |  | 0.020 |  | 0.007 |  | -0.797 |  | -0.146 |  | 1.000 |  | 1.000 |  |
|  |  | PCC |  | 0.013 |  | -0.008 |  | 0.034 |  | 0.006 |  | 2.165 |  | 0.395 |  | 0.736 |  | 1.000 |  |
|  |  | Prec |  | 0.003 |  | -0.017 |  | 0.024 |  | 0.006 |  | 0.583 |  | 0.106 |  | 1.000 |  | 1.000 |  |
|  |  | V1 |  | 0.027 |  | 8.223e -5 |  | 0.054 |  | 0.008 |  | 3.546 |  | 0.647 |  | 0.036 |  | 0.049 |  |
|  |  | aPFC |  | 0.016 |  | -0.005 |  | 0.037 |  | 0.006 |  | 2.675 |  | 0.488 |  | 0.292 |  | 0.438 |  |
| Ins |  | LTL |  | -0.009 |  | -0.031 |  | 0.012 |  | 0.006 |  | -1.525 |  | -0.278 |  | 1.000 |  | 1.000 |  |
|  |  | PCC |  | 0.009 |  | -0.010 |  | 0.028 |  | 0.005 |  | 1.740 |  | 0.318 |  | 1.000 |  | 1.000 |  |
|  |  | Prec |  | -1.129e -4 |  | -0.017 |  | 0.016 |  | 0.005 |  | -0.024 |  | -0.004 |  | 1.000 |  | 1.000 |  |
|  |  | V1 |  | 0.024 |  | 0.005 |  | 0.042 |  | 0.005 |  | 4.586 |  | 0.837 |  | 0.003 |  | 0.003 |  |
|  |  | aPFC |  | 0.012 |  | -0.009 |  | 0.034 |  | 0.006 |  | 2.074 |  | 0.379 |  | 0.847 |  | 1.000 |  |
| LTL |  | PCC |  | 0.019 |  | -0.008 |  | 0.045 |  | 0.008 |  | 2.450 |  | 0.447 |  | 0.432 |  | 0.740 |  |
|  |  | Prec |  | 0.009 |  | -0.009 |  | 0.028 |  | 0.005 |  | 1.745 |  | 0.319 |  | 1.000 |  | 1.000 |  |
|  |  | V1 |  | 0.033 |  | 0.006 |  | 0.060 |  | 0.008 |  | 4.314 |  | 0.788 |  | 0.005 |  | 0.006 |  |
|  |  | aPFC |  | 0.022 |  | 0.002 |  | 0.041 |  | 0.005 |  | 3.949 |  | 0.721 |  | 0.014 |  | 0.017 |  |
| PCC |  | Prec |  | -0.009 |  | -0.027 |  | 0.009 |  | 0.005 |  | -1.848 |  | -0.337 |  | 1.000 |  | 1.000 |  |
|  |  | V1 |  | 0.014 |  | -0.009 |  | 0.037 |  | 0.007 |  | 2.193 |  | 0.400 |  | 0.730 |  | 1.000 |  |
|  |  | aPFC |  | 0.003 |  | -0.019 |  | 0.025 |  | 0.006 |  | 0.492 |  | 0.090 |  | 1.000 |  | 1.000 |  |
| Prec |  | V1 |  | 0.024 |  | 8.201e -4 |  | 0.047 |  | 0.006 |  | 3.662 |  | 0.669 |  | 0.029 |  | 0.036 |  |
|  |  | aPFC |  | 0.013 |  | -0.005 |  | 0.030 |  | 0.005 |  | 2.488 |  | 0.454 |  | 0.415 |  | 0.678 |  |
| V1 |  | aPFC |  | -0.011 |  | -0.037 |  | 0.014 |  | 0.007 |  | -1.556 |  | -0.284 |  | 1.000 |  | 1.000 |  |
|  | | | | | | | | | | | | | | | | | | | |
| *Note.*  Cohen's d does not correct for multiple comparisons. | | | | | | | | | | | | | | | | | | | |
| *Note.*  Bonferroni adjusted confidence intervals. | | | | | | | | | | | | | | | | | | | |

**Descriptives**

| **Descriptives** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROI** | | **Mean** | | **SD** | | **N** | |
| LTL |  | 0.604 |  | 0.039 |  | 30 |  |
| IFG |  | 0.598 |  | 0.033 |  | 30 |  |
| Prec |  | 0.595 |  | 0.024 |  | 30 |  |
| ATL |  | 0.565 |  | 0.031 |  | 30 |  |
| aPFC |  | 0.582 |  | 0.034 |  | 30 |  |
| Ins |  | 0.595 |  | 0.023 |  | 30 |  |
| ACC |  | 0.592 |  | 0.034 |  | 30 |  |
| PCC |  | 0.585 |  | 0.026 |  | 30 |  |
| V1 |  | 0.571 |  | 0.025 |  | 30 |  |
|  | | | | | | | |

**Descriptives Plot**

A close up of a logo

Description automatically generated

**Repeated Measures ANOVA**

| **Within Subjects Effects** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | |
| ROI |  | 0.036 |  | 8 |  | 0.004 |  | 9.495 |  | 2.396e -11 |  |
| Residual |  | 0.109 |  | 232 |  | 4.700e -4 |  |  |  |  |  |
| Condition |  | 0.362 |  | 1 |  | 0.362 |  | 71.839 |  | 2.439e  -9 |  |
| Residual |  | 0.146 |  | 29 |  | 0.005 |  |  |  |  |  |
| ROI ✻ Condition |  | 0.012 |  | 8 |  | 0.002 |  | 3.447 |  | 9.018e  -4 |  |
| Residual |  | 0.102 |  | 232 |  | 4.397e -4 |  |  |  |  |  |
|  | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | |

| **Between Subjects Effects** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | |
| Residual |  | 0.109 |  | 29 |  | 0.004 |  |  |  |  |  |
|  | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | |

**Descriptives**

**Descriptives Plot**

A picture containing outdoor object, star

Description automatically generated