Experiment 2 Post-Study JOL model results for VSAR

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Type 3 Tests of Fixed Effects** | | | | | | |
| Effect |  | Num DF | DF | F-value | p-value | Partial Eta Squared |
| Condition |  | 1 | 79 | 6.40 | .013 | .07 |
| VSAR |  | 1 | 79 | 1.11 | .294 | .01 |
| Object X Condition |  | 1 | 79 | 0.01 | .923 | .00 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Regression Coefficients** | | | | | | |
|  |  | Estimate | SE | t-value | p-value | Interpretation |
| Intercept |  | 56.97 | 3.19 | 17.88 | < .001 | Average participant test prediction score was 56.97 percent, in the Text-only condition, for an individual with an average score on the VSAR. |
| Condition | Multimedia | 11.30 | 4.46 | 2.53 | .013 | Average predicted test score was 11.30 percentage points higher in the multimedia condition relative to the Text-only Condition, for an individual with an average score on the VSAR. |
| Condition | Text-only | 0.00 | - | - | - |  |
| VSAR |  | 2.27 | 3.87 | 0.59 | .558 | The slope for VSAR, in the Text-only Condition, is not significant. |
| VSAR X Condition | Multimedia | 0.46 | 4.74 | 0.10 | .923 | The slope for VSAR, in the Multimedia Condition does not differ from the Text-only condition. |
| VSAR X Condition | Text-only | 0.00 | - | - | - |  |

Experiment 2 Post-Study JOL model results for SBCSQ

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Type 3 Tests of Fixed Effects** | | | | | | |
| Effect |  | Num DF | DF | F-value | p-value | Partial Eta Squared |
| Condition |  | 1 | 79 | 5.57 | .021 | .06 |
| SBCSQ |  | 1 | 79 | 0.05 | .826 | .00 |
| Object X Condition |  | 1 | 79 | 1.56 | .215 | .02 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Regression Coefficients** | | | | | | |
|  |  | Estimate | SE | t-value | p-value | Interpretation |
| Intercept |  | 57.19 | 3.08 | 18.60 | < .001 | Average participant test prediction score was 57.19 percent, in the Text-only condition, for an individual with an average score on the SBCSQ. |
| Condition | Multimedia | 10.26 | 4.34 | 2.36 | .021 | Average predicted test score was 10.26 percentage points higher in the multimedia condition relative to the Text-only Condition, for an individual with an average score on the SBCSQ. |
| Condition | Text-only | 0.00 | - | - | - |  |
| SBCSQ |  | -3.27 | 3.43 | -0.95 | .344 | The slope for SBCSQ, in the Text-only Condition, is not significant. |
| SBCSQ X Condition | Multimedia | 5.56 | 4.45 | 1.25 | .215 | The slope for SBCSQ, in the Multimedia Condition does not differ from the Text-only condition. |
| SBCSQ X Condition | Text-only | 0.00 | - | - | - |  |

Experiment 2 Post-Study JOL model results for VVLRSR

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Type 3 Tests of Fixed Effects** | | | | | | |
| Effect |  | Num DF | DF | F-value | p-value | Partial Eta Squared |
| Condition |  | 1 | 79 | 5.47 | .022 | .06 |
| VVLRSR |  | 1 | 79 | 0.38 | .541 | .00 |
| Object X Condition |  | 1 | 79 | 0.03 | .857 | .00 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Regression Coefficients** | | | | | | |
|  |  | Estimate | SE | t-value | p-value | Interpretation |
| Intercept |  | 57.46 | 3.08 | 18.63 | < .001 | Average participant test prediction score was 57.46 percent, in the Text-only condition, for an individual with an average score on the VVLRSR. |
| Condition | Multimedia | 10.20 | 4.36 | 2.34 | .022 | Average predicted test score was 10.20 percentage points higher in the multimedia condition relative to the Text-only Condition, for an individual with an average score on the VVLRSR. |
| Condition | Text-only | 0.00 | - | - | - |  |
| VVLRSR |  | 1.74 | 3.01 | 0.56 | .576 | The slope for VVLRSR, in the Text-only Condition, is not significant. |
| VVLRSR X Condition | Multimedia | -0.79 | 4.39 | -0.18 | .857 | The slope for VVLRSR, in the Multimedia Condition does not differ from the Text-only condition. |
| VVLRSR X Condition | Text-only | 0.00 | - | - | - |  |

Experiment 2 Post-Study JOL model results for LSQ

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Type 3 Tests of Fixed Effects** | | | | | | |
| Effect |  | Num DF | DF | F-value | p-value | Partial Eta Squared |
| Condition |  | 1 | 79 | 5.85 | .018 | .01 |
| LSQ |  | 1 | 79 | 0.11 | .739 | .00 |
| Object X Condition |  | 1 | 79 | 4.58 | .036 | .01 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Regression Coefficients** | | | | | | |
|  |  | Estimate | SE | t-value | p-value | Interpretation |
| Intercept |  | 56.74 | 3.04 | 18.69 | < .001 | Average participant test prediction score was 56.74 percent, in the Text-only condition, for an individual with an average score on the LSQ. |
| Condition | Multimedia | 10.37 | 4.29 | 2.42 | .018 | Average predicted test score was 10.37 percentage points higher in the multimedia condition relative to the Text-only Condition, for an individual with an average score on the LSQ. |
| Condition | Text-only | - | - | - | - |  |
| LSQ |  | -5.38 | 3.27 | -1.65 | .100 | The slope for LSQ, in the Text-only Condition, is not significant. |
| LSQ X Condition | Multimedia | 9.31 | 4.35 | 2.14 | .036 | The slope for LSQ, in the Multimedia Condition was 9.31 points higher than in the Text-only Condition. For each point higher in visual learning a participant scored, their judgments went up by 3.93 percentage points in the Multimedia Condition. |
| LSQ X Condition | Text-only | 0.00 | - | - | - |  |

Experiment 2 Post-Study JOL model results for BAML

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Type 3 Tests of Fixed Effects** | | | | | | |
| Effect |  | Num DF | DF | F-value | p-value | Partial Eta Squared |
| Condition |  | 1 | 79 | 5.99 | .017 | .07 |
| BAML |  | 1 | 79 | 1.61 | .209 | .02 |
| Object X Condition |  | 1 | 79 | 0.05 | .831 | .00 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Regression Coefficients** | | | | | | |
|  |  | Estimate | SE | t-value | p-value | Interpretation |
| Intercept |  | 57.22 | 3.07 | 18.66 | < .001 | Average participant test prediction score was 57.22 percent, in the Text-only condition, for an individual with an average score on the BAML. |
| Condition | Multimedia | 10.62 | 4.34 | 2.45 | .017 | Average predicted test score was 10.62 percentage points higher in the multimedia condition relative to the Text-only Condition, for an individual with an average score on the BAML. |
| Condition | Text-only | - | - | - | - |  |
| BAML |  | -3.25 | 2.94 | -1.10 | .273 | The slope for BAML, in the Text-only Condition, is not significant. |
| BAML X Condition | Multimedia | 0.94 | 4.39 | 0.21 | .831 | The slope for BAML, in the Multimedia Condition does not differ from the Text-only condition. |
| BAML X Condition | Text-only | 0.00 | - | - | - |  |