It is possible that, in Experiment 2, anticipating which modality (verbal or spatial) the task will impose an extra level of policy abstraction. To this end, here we repeat the analyses for Experiment 2 and the cross-experiment analyses with an extra level of abstraction for each task type.

**Table 1**

*Estimates, number of models, confidence intervals, and importance for candidate variables for Experiment 2.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **Estimate** | **N. Models** | **CI Lower** | **CI Upper** | **Importance** |
| **Abstraction** | -0.5160 | 32 | -0.9918 | -0.0402 | 0.8703 |
| **Abstraction : Error Rates** | -0.0237 | 20 | -0.3177 | 0.2702 | 0.4286 |
| **Abstraction : Reaction Time** | 0.0001 | 28 | -0.0002 | 0.0004 | 0.4260 |
| **Error Rates** | 0.2952 | 32 | -0.7090 | 1.2995 | 0.3867 |
| **Reaction Times** | -0.0002 | 32 | -0.0010 | 0.0006 | 0.3340 |
| **Error Rates: Reaction Time** | 0.0000 | 11 | 0.0000 | 0.0000 | 0.0380 |

As there was only one candidate variable with an importance value above .5, no model comparisons were conducted.

**Table 2**

*Estimates, number of models, confidence intervals, and importance for candidate variables for the cross-experiment analyses.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **Estimate** | **N. Models** | **CI Lower** | **CI Upper** | **Importance** |
| **Abstraction** | -0.2175 | 32 | -0.2941 | -0.1409 | 1.0000 |
| **Error Rates** | -1.2224 | 32 | -2.9010 | 0.4562 | 0.8615 |
| **Reaction Time** | -0.0170 | 32 | -0.0640 | 0.0300 | 0.4977 |
| **Abstraction : Reaction Time** | -0.0065 | 28 | -0.0298 | 0.0168 | 0.2474 |
| **Abstraction : Error Rates** | 0.1251 | 20 | -0.5044 | 0.7546 | 0.2428 |
| **Error Rates : Reaction Time** | -0.0086 | 11 | -0.0573 | 0.0401 | 0.0388 |

The variables with importance above .5 were iteratively added to a model as predictor variables of selection rates in the cross-experiment analyses.

A model with only abstraction explained a significant amount of variance (F(1,91)=90.0, p<.001).

Adding error rates to the model significantly increased the explanatory power (X2(2)=9.0, p=.01).