Table S2. Model selection for Experiment 2 using AICs.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Location | Shape | Lapserate | ΔAICSingle | ΔAICFree | ΔAICCombined | *w*(ΔAICCombined) |
|  | 0 | 0 | 36.7 | 115 | 152 | .000 |
|  | 1 | 0 | 1.11 | 55.5 | 56.6 | .000 |
|  | 0 | 1 | 46.1 | 188 | 234 | .000 |
|  | 1 | 1 | 27.0 | 58.4 | 85.4 | .000 |
|  | 0 |  | 35.9 | 159 | 195 | .000 |
|  | 1 |  | 2.73 | 107 | 110 | .000 |
| 0 | 0 | 0 | 36.9 | 112 | 149 | .000 |
| 1 | 0 | 0 | 2.08 | 1.58 | 3.67 | .138 |
| 0 | 1 | 0 | 31.5 | 74.2 | 106 | .000 |
| 0 | 0 | 1 | 65.4 | 94.0 | 159 | .000 |
| 1 | 1 | 0 | 9.66 | 12.6 | 22.3 | .000 |
| 1 | 0 | 1 | 30.3 | 28.1 | 58.4 | .000 |
| 0 | 0 |  | 37.5 | 112 | 149 | .000 |
| 1 | 0 |  | 0 | 0 | 0 | .862 |
| 0 | 1 |  | 30.4 | 84.3 | 115 | .000 |
| 1 | 1 |  | 14.6 | 11.7 | 26.3 | .000 |

*Note.* The first three columns describe the models used with a 0 indicating a parameter shared across participants and a 1 indicating a parameter free to vary across participants. No value indicates that this parameter was not employed in the model. The fourth column shows AIC differences for the Single Touch strategy, the fifth column shows AIC differences for the Free Exploration strategy. The sixth column shows these combined whilst the final column shows the Akaike weights derived from that penultimate column.