

Supplementary Materials

Model formulas

The regression formula for the full model (model b2):

$$rt \sim 1 + stimulus * compatibility + (1 + stimulus * compatibility | pid)$$

Note: rt = reaction time (ms); stimulus = blah; compatibility = blah; pid = subject/participant identifier.

A supplementary table

Here, I just reproduce the table from the main manuscript to save time making anything else. But of course in a real paper, you wouldn't do this, you'd just show whatever you needed. It is labelled differently to reflect that it is a supplementary table.

Supplementary Table 1

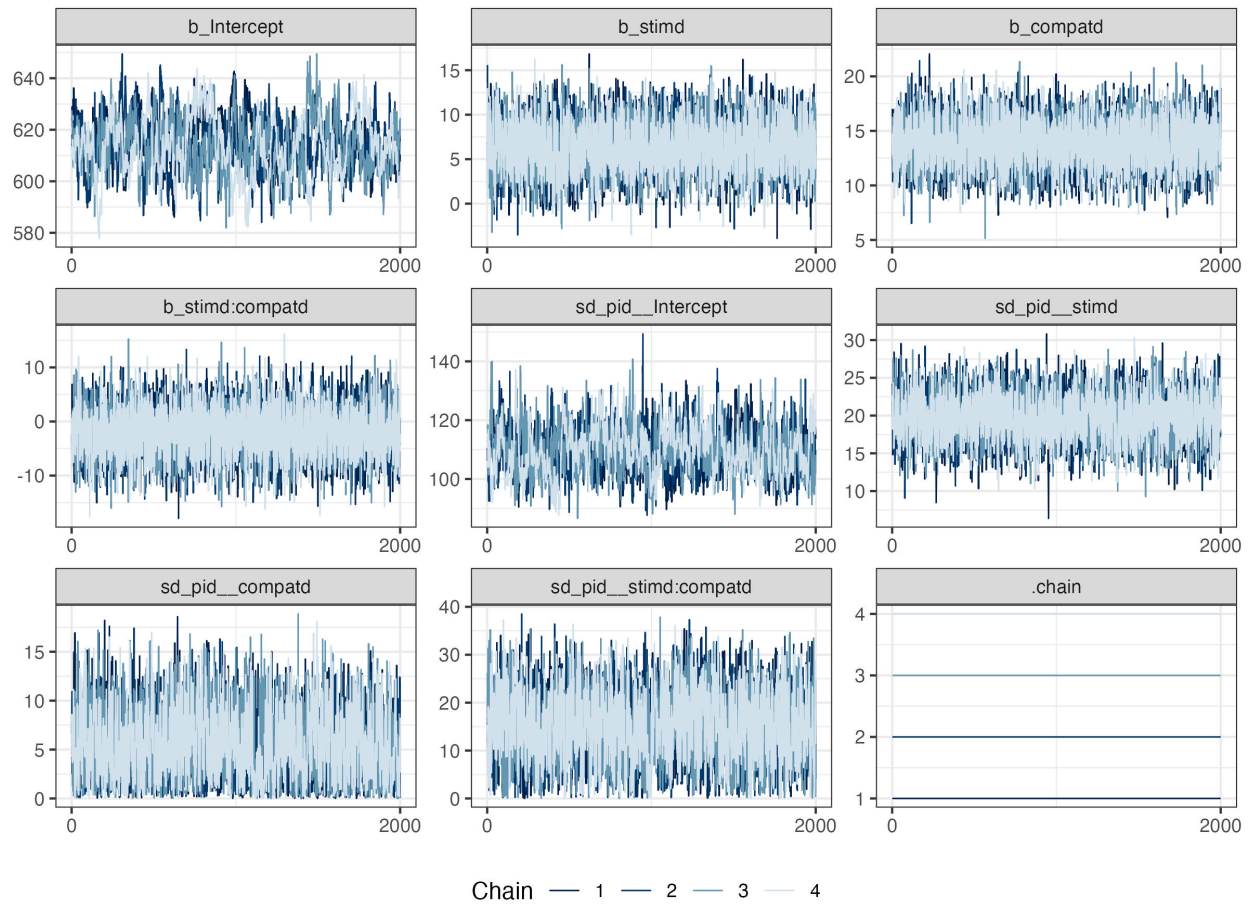
Fixed effects from model b2.

term	value	.lower	.upper
intercept	613.94	593.62	634.79
stimulus	6.38	0.77	12.07
compatibility	13.89	9.70	18.11
interaction	-2.08	-10.80	6.85

Note. Median point estimates and 95% quantile intervals shown.

A supplementary figure

Let's take a look at the mixing of chains in the model. This is a useful model diagnostic check to see that the model built ok.



Supplementary Figure 1. Caterpillar plots showing the mixing of chains across parameters in model b2.