

# Important Point

- Add as many random slopes (not just random intercepts) as your experimental design allows - for most cases, we expect variation between participants in terms of how they'll respond to different levels of an experimental condition (which is why we add participants as a random slope) and also variation between our experimental items to different levels of an experimental condition (which is why we also add items as a random slope).
- If the full model with random slopes and intercepts does not converge, then gradually simplify your random effects structures (e.g., drop an interaction term first, then drop a main effect etc.) until you find a model that does converge.

# LMMs for Ordinal DVs

- Often we might collect data using a Likert scale. These data are ordinal and so we should use the cumulative-link mixed model function (CLMM) in the package called `ordinal`. Works similarly to LMMs in `lme4` but with one or two minor syntax changes...
- An example: we had 42 participants rate images of sports on a scale of 0-10 corresponding to how much they liked each one. Before each rating measure, they saw a video of a sport that matched or mismatched the one they then had to rate (with a neutral video as baseline).