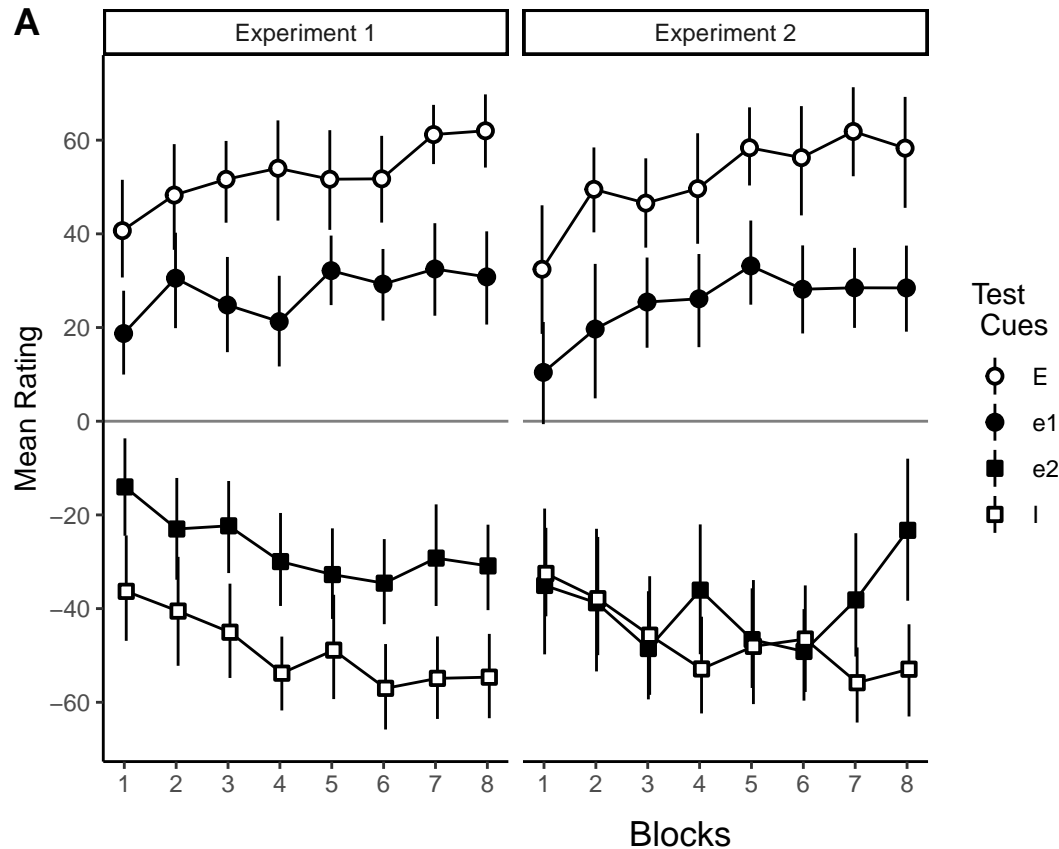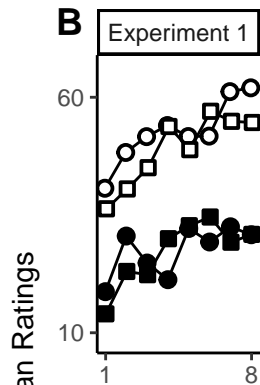Phase 1 (Experiment 1 and 2)