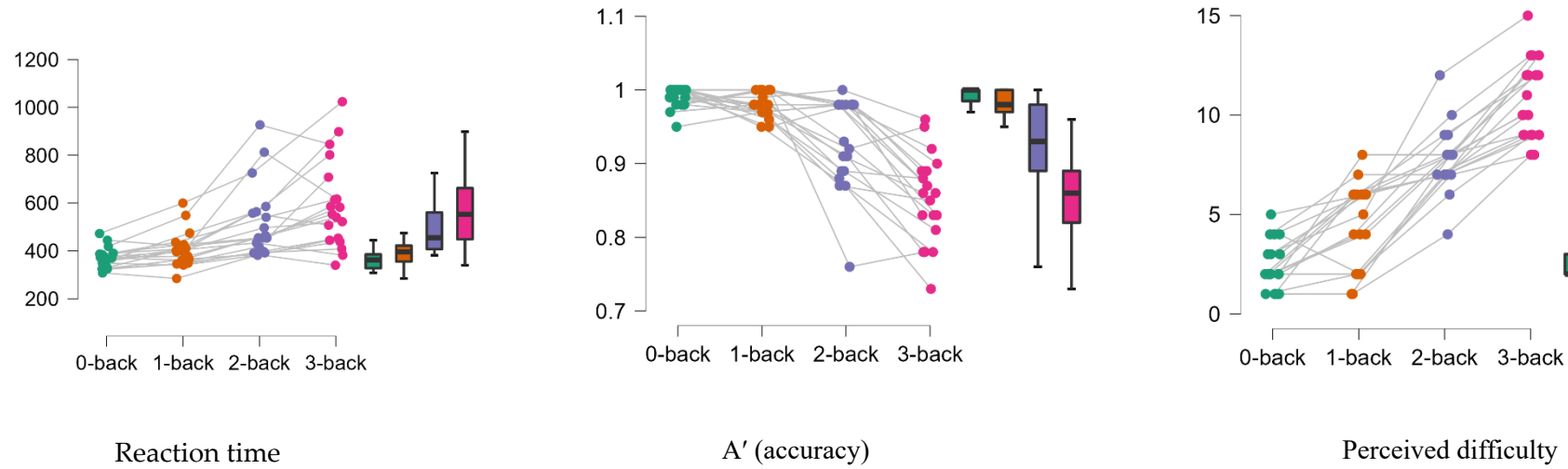


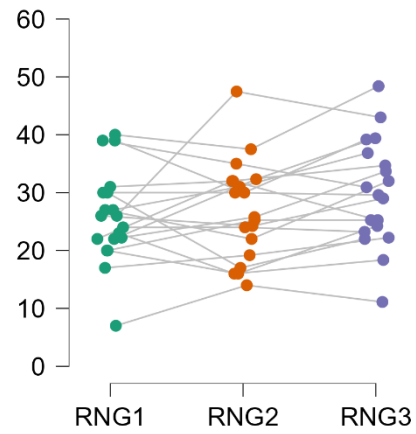
Supplementary Material

n-back task

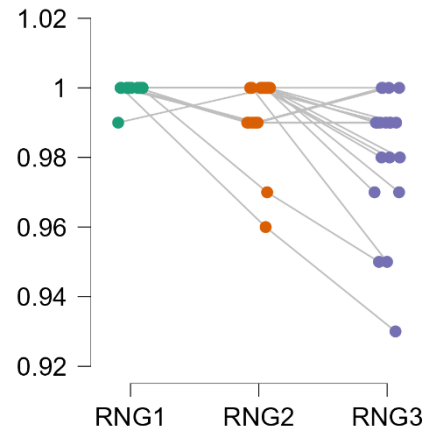


S.1. Mean of each participant Reaction Time (ms), A'score (0-1) and perceived difficulty (0-15) as function of cognitive load during the n-back task.

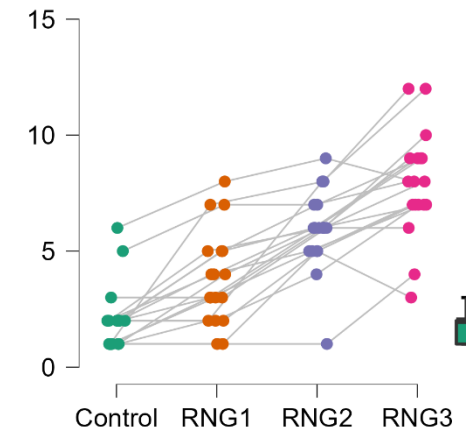
Random Number Generation task



Adjacency



Success rate



Perceived difficulty

S.2. Mean of each individual Adjacency score (%), success rate (0-1) and perceived difficulty (0-15) as a function of cognitive load during the RNG task.