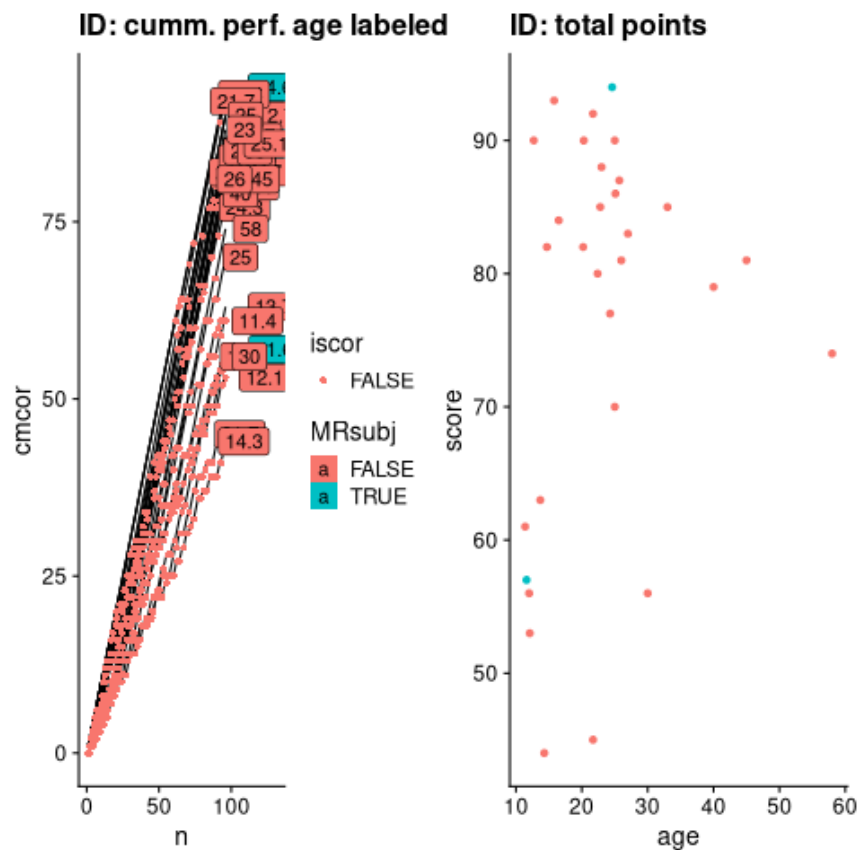


# Pilot Data: MR vs Behavioral

October 15, 2020

## 1 behave ID

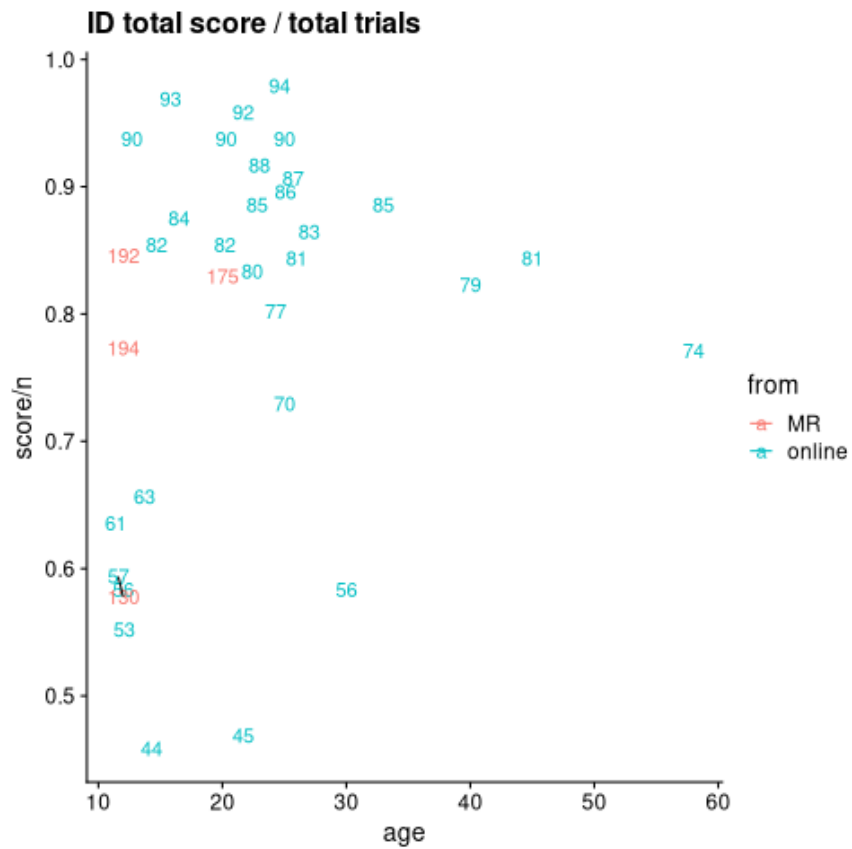


Overall online performance with two the MR pilot participants highlighted.

- Left plot trajectory has points at error trials. useful for assessing learning. many points at top == not learned?
- 20 yo is a top performer
- 12 yo is a bottom performer. other behavior agrees.

## 2 MR vs Online

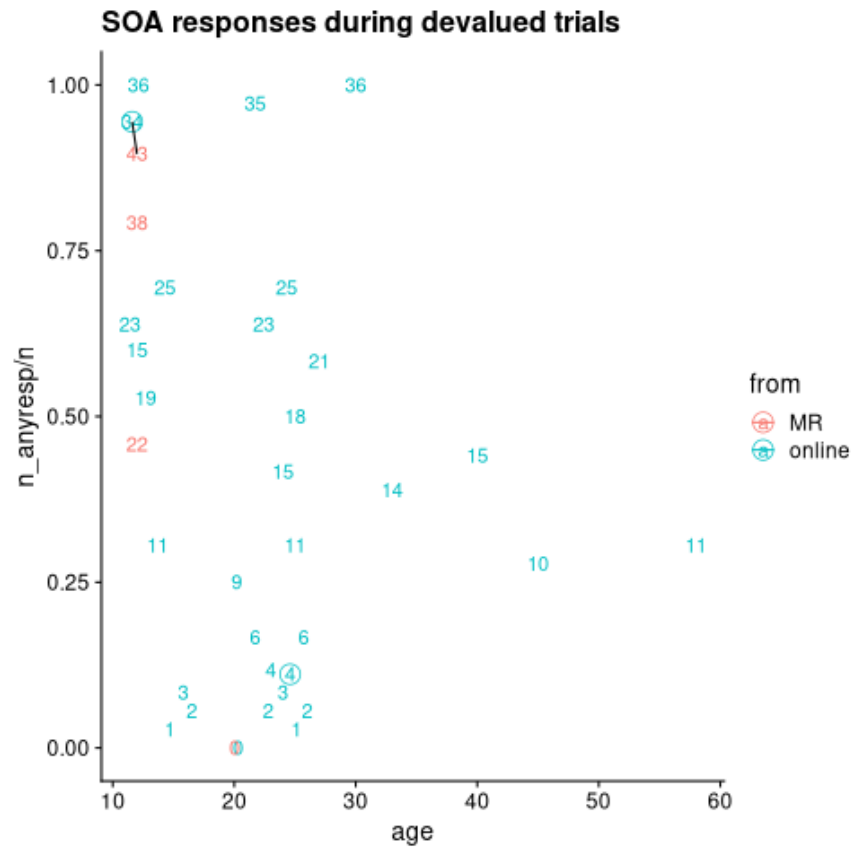
### 2.1 ID



- comparing ID online (blue) vs MR (red)
- again 12 yo is bad. didn't learn associations
- two clusters. top learned well.

- harder to do well in MR (3 different phases, only one not locked to a timing structure)
  - MR has more trials

## 2.2 SOA



- higher  $n\_anyresp/n$  means more "habit forming" when the task is understood. values too close to 1 should probably be ignored.
- 12 yo MR + online participant is bad at the task, not habit forming (probably?)
- 20 yo MR participant is too good. no errors. no habit. – reason why we moved to block. no habit behaviors