**Raw Data for Experiments 1 to 4 of Oberauer & Lin (2017), Psychological Review - Documentation**

Each column represents one trial; here we explain which variable is coded in which column

*Experiment 1 (Data file colorwheel9.dat)*

1: Subject ID

2: Session

3: Trial number in order of presentation

4: Trial number in design

5: Set size

6, 8, 10, 12, 14, 16, 18, 20: Color of up to 8 stimuli on scale 1 to 360 (column 6 is the target)

7, 9, 11, 13, 15, 17, 19, 21: Spatial locations of up to 8 stimuli, on scale 1 to 13 (column 7 is the target location)

22: Response chosen (on scale 1:360)

Colors and locations were used up to the trial's set size, the remaining values were ignored

*Experiments 2 and 3 (colorwheel3.dat and colorwheel5.dat, respectively):*

1: Subject ID

2: Session

3: Cueing condition: 1 = valid/invalid cue, 2 = neutral cue

4:

5: Trial number

6: Set size

7: Cue condition: -1 = neutral, 1 = valid, 0 = invalid

8: Cue location

9, 11, 13, 15, 17, 19, 21, 23: Colors of up to 8 stimuli (1 to 360), the first (column 9) is the target

10, 12, 14, 16, 18, 20, 22, 24: Locations of up to 8 stimuli (1 to 13), the first (col 10) is the target

25: chosen response (1 to 360)

*Experiment 4 (mrc.dat):*

1: Subject ID

2: Session

3: Trial Number (presentation order)

4: Trial number (in design)

5: Condition: 1 = both cues, 2 = color cue, 3 = location cue

6: Setsize

7: Target index (always = 1)

8: Target color (identical to column 10)

9, 12, 15, 18, 21, 24: Orientations (9 = target)

10, 13, 16, 19, 22, 25: Colors (10 = target)

11, 14, 17, 20, 23, 26: Locations (11 = target)

27: Response