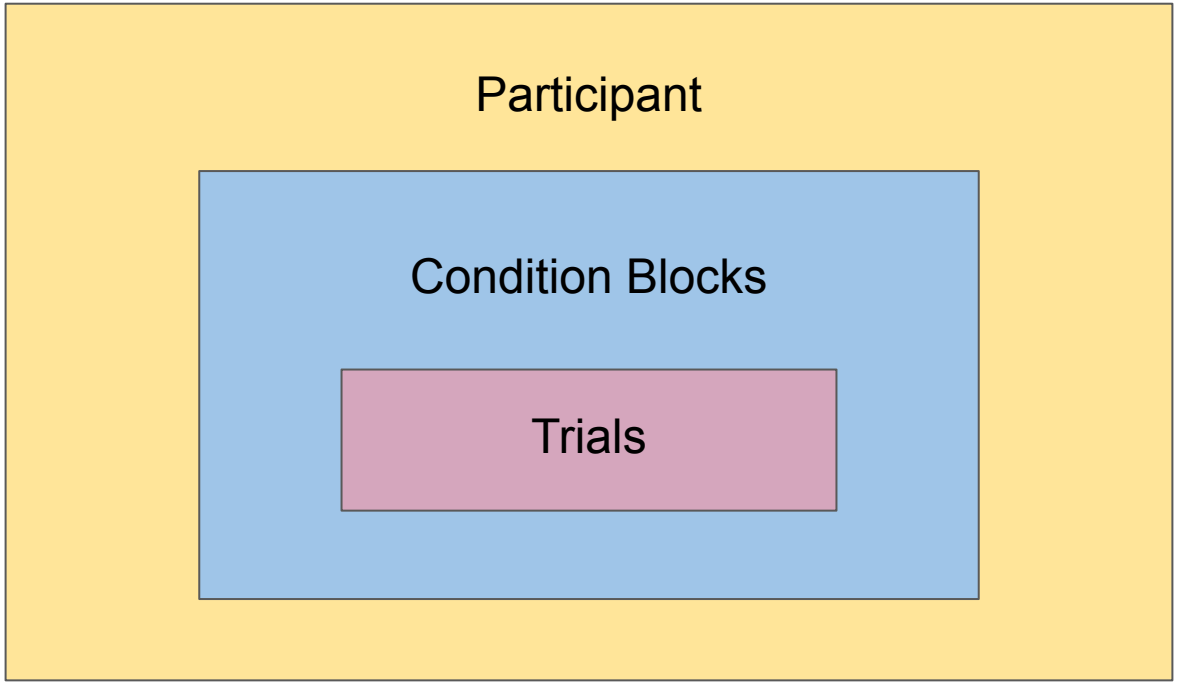
Experimental Flow
Jazayeri & Shadlen (2010)

Cognitive Modelling: Basic Principles and Methods
2020 Week 3

Overall experimental design



Highest level experimental loop: participants

Loop through 5 participants

For each participant

Loop through 3 condition blocks

Conditions are short, intermediate, long

Presenting order of conditions is random

Long time (>1 day) between each block - timing implication

Intermediate level loop: Condition blocks

For each condition block

- Reset model = clear declarative memory (assume no long-term learning)
- Condition-specific set of 11 sample intervals: short, intermediate, long
  - Obtain the specific values from dataJS.csv
  - Values are contained in the column Ts
- Loop through 1500 trials (500 training then 1000 experimental)

Lowest level loop: Trials

For each trial - from Figure 1

Step	**m.time update** ***(in seconds!)***
Fixation marker	+ 1.00 s
Random delay before ‘ready’ signal	+ .25-.85 s [continuous uniform distribution]
Present ‘ready’->’set’ interval *Ts*	+ *Ts* [discrete uniform distribution]
Go: participant responds with interval *Tp*	+ *Tp*