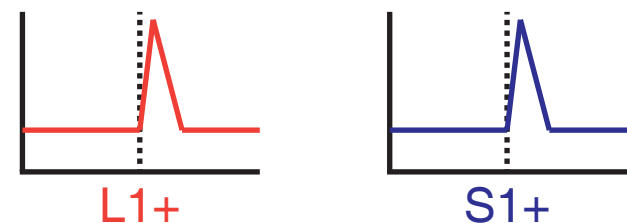


A**Presence of cue feature coding**

Cue outcome:

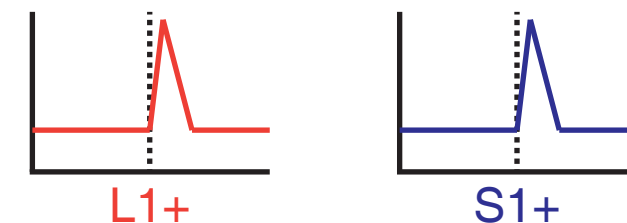
Identity not coded

Unit A:

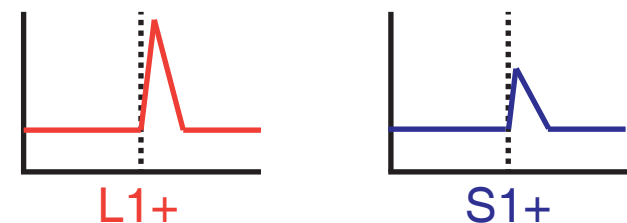


Separate populations

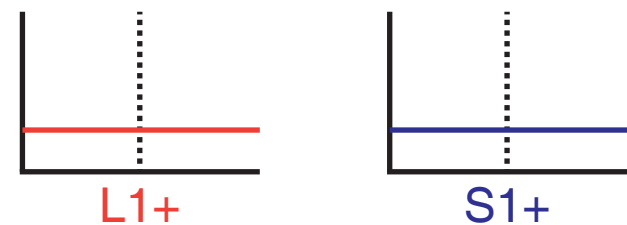
Unit A:



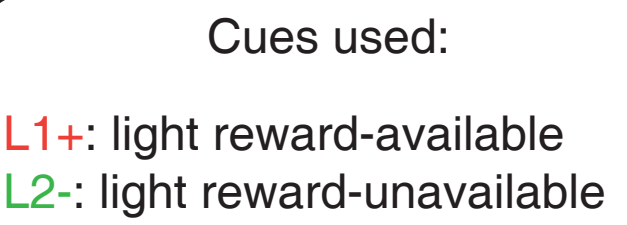
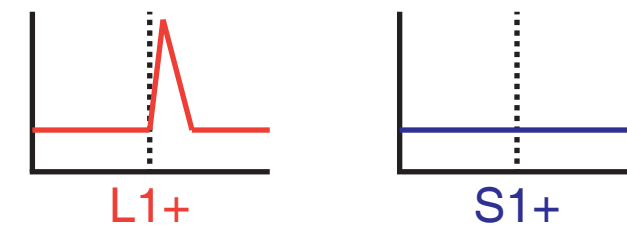
Overlapping populations



Unit B:



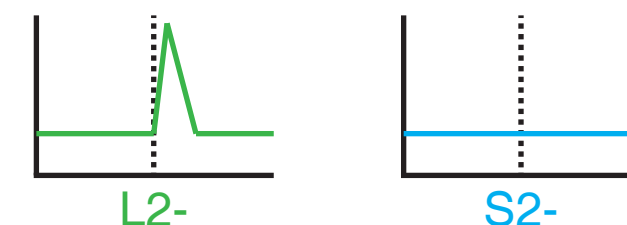
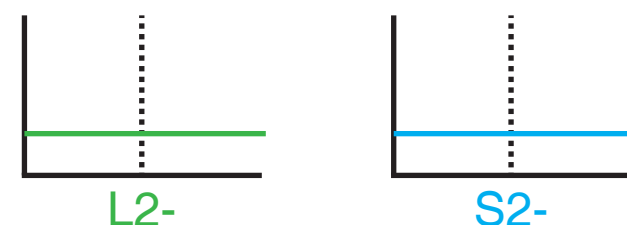
Unit B:



Cues used:

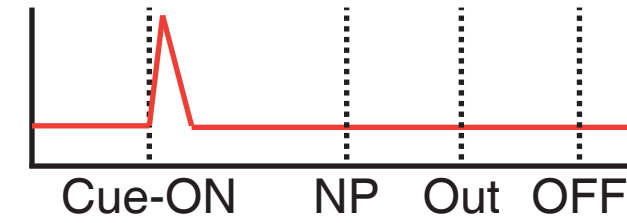
L1+: light reward-available
 L2-: light reward-unavailable
 S1+: sound reward-available
 S2-: sound reward-unavailable

Cue identity:

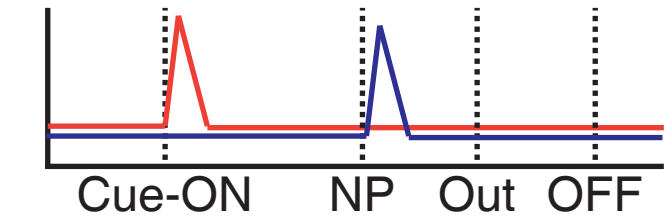
**B****Persistence of cue feature coding**

Cue identity:

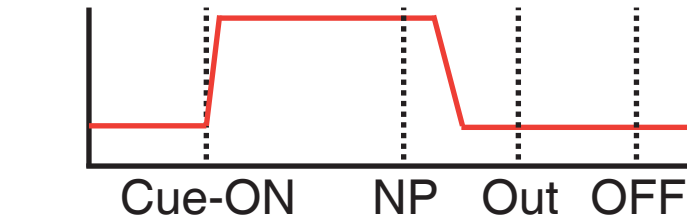
Transient coding



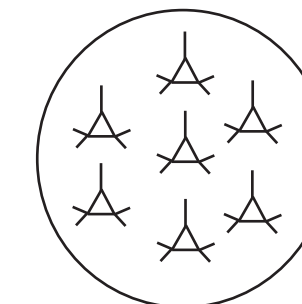
Separate populations

Unit A
Unit B

Overlapping populations

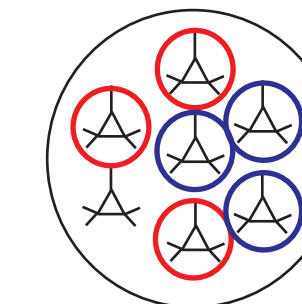
**C****Quantification of coding across units and time epochs**

Null comparison



$$r = N/A$$

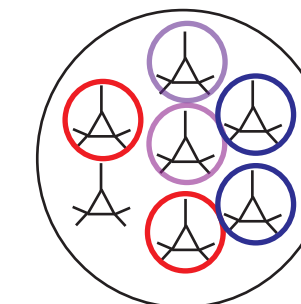
Separate populations



$$r < 0$$

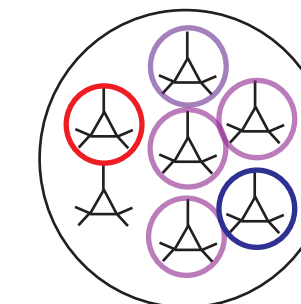
Overlapping populations

independent



$$r = 0$$

joint



$$r > 0$$

Persistence of core feature coding