


Learning & Memory

Bhaktee



Running Notes

lecture #5: learning to predict

classical conditioning \rightarrow event prediction \rightarrow error prediction \rightarrow !

(Higher order
recognition)
speech rec.
category learning

- \rightarrow Category learning — redundant cues — blocking effect.
- \rightarrow Gluck and Bower's Probabilistic Categorization Task
- \rightarrow Cue-outcome contingency — causal inference
- \rightarrow Latent inhibition: prior exposure to a CS retards later learning of the CS-US association
 - \rightarrow people without hippocampus do not show latent inhibition
- \rightarrow Rescorla Wagner model fails to explain latent inhibition
- \rightarrow Attentional Approach to stimulus selection (Mackintosh, 1975)
 - low latent inhibition \leftrightarrow ? ADHD

Lecture # 6: Learning the outcome of behaviour

- Operant conditioning
- Discriminative stimulus (S^D)
- How is operant conditioning different from classical conditioning?

Lecture #7: Predicting Reward

(positive, negative) X (Reinforcement, Punishment)

- perspective dependent, usually very difficult to learn in a given situation

lecture #10: Working Memory

primacy & recency effect

lecture #11: Working Memory and cognitive control

lecture #14: Emotions

walking alone in the night and stepping on something - Fast fear processing

How is short-term stress different long-term?