

HAPPY NEW YEAR!!

On today's agenda...

Going through some function learning experiments!

Flower categorization task



Mobile-friendly! Click "See task" on the consent form, and try to find out what defines the category.

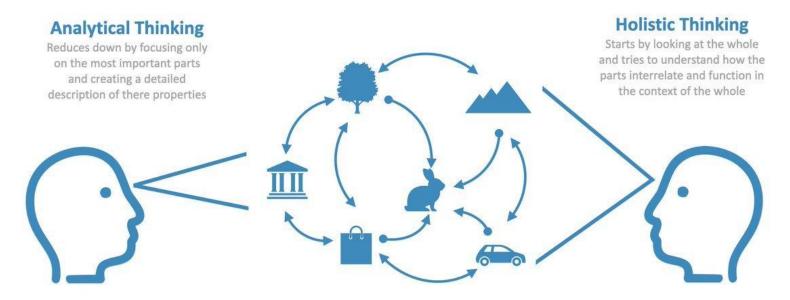


What defined the categories?

How did your representations of the categories change over time?



The number of petals, the number of leaves, and the density of the seeds are drawn from N(2,1) for Category A and from N(4,1) for category B \rightarrow Category B has more petals, leaves, and seeds

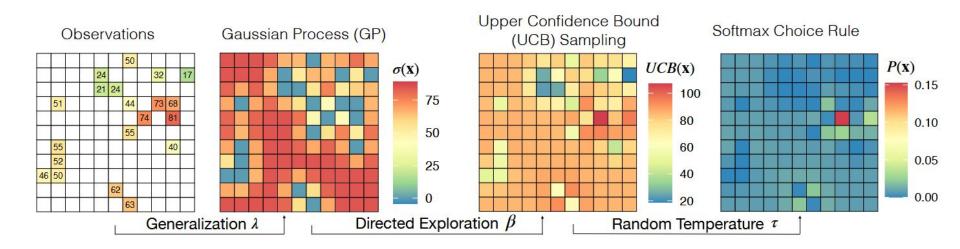


Gridsearch!



- Mobile-friendly (but needs to load as "Desktop version"?)
- Enter any participant ID
- Best performance (measured by stars at the end of the experiment) wins a prize from Charley!

- What strategies did you use to maximize reward?
- What informed how you extrapolated/interpolated?
- Beyond only function learning, did you use any other strategies?



Monster memory



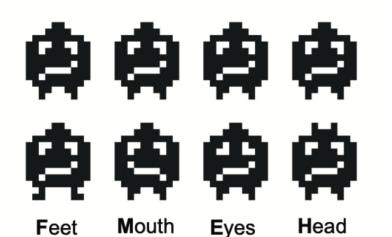
Keyboard only – anyone wanna play on laptop, or should we do it on collaboratively on

my laptop?

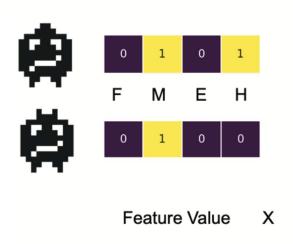
https://experiments.hmc-lab.com/MonsterMemory Learning only/experiment.html?PROLIFIC PID=tutorial testusr01&ST UDY ID=tutorial testing&SESSION ID=tutorial testing

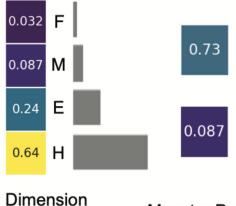
- How is the task different from the spatial bandit task?
 - Do spatial representations make it easier to use similarity-based mechanisms?

- Are you treating this as a category learning or function learning task?
 - E.g., it could be treated as a category learning task by learning which are good vs. bad features



(designed to test whether people would remember high value features better)





=

Importance

Monster Power

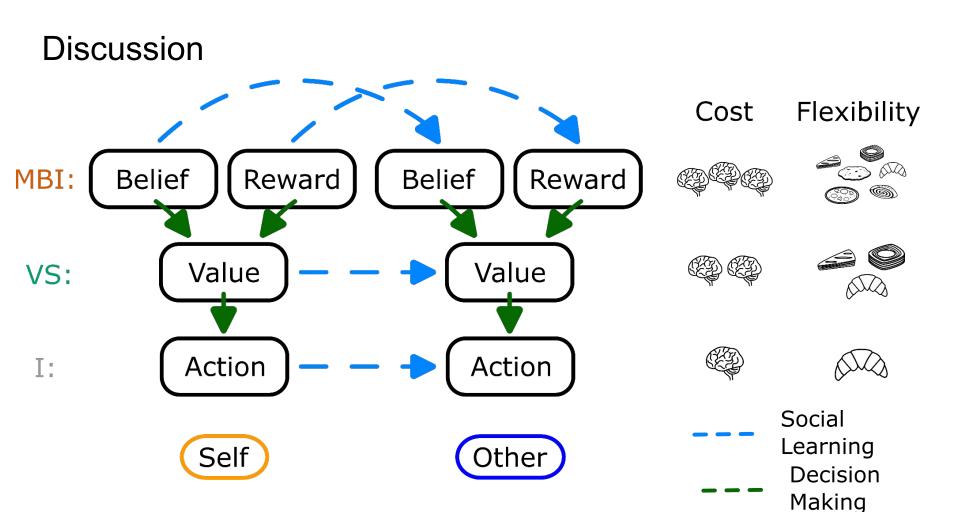
Social transitive inference

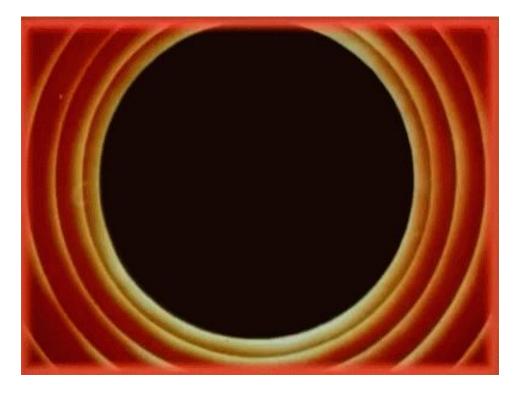


Keyboard only again

https://experiments.hmc-lab.com/soCard/experiment.html

- Did you treat this as a function learning task? Why? Why not?
- What other forms of structure can you learn to help you acquire reward?





Enjoy the rest of the course! :) (and good luck on the exam, too!!)