Terms for Midterm 3
Weeks 7 - 10

Lectures and Readings

Same format as Midterms 1 and 2

:-)
1. Marijuana & Teen Brain
Review Lecture & Readings
Brain Structures affected by Cannabis
Hypothalamus
Basal Ganglia
Ventral Striatum
Amygdala
Hippocampus
Cortex
Cerebellum

Learning
Implicit Learning - Habituation
Sensitization
Classical - Conditioning

Substance Specifics
Idelta-9-THC
CB1 receptor
Endogenous lipid

Effects on synapses
Mechanism of action
Pre-synaptic
Post-synaptic

Cellular modification theory
Presynaptic & Postsynaptic changes
2. How do brain cells tell us where we are going?
Nitz
Readings
Brain GPS
Scientists, cell types, and anatomy

- Hippocampus, Entorhinal cortex
- Cell types: Grid, Head-direction, Axis-tuned, Place, Goal direction
- John O'Keefe, Edvard and May-Britt Moser
- How do these cells contribute to learning and memory/disease
Guo: Careers in HCI

NEEFDINDING
STORYBOARDING
PROTOTYPING
USER TESTING
Hollan – Reading and Lecture:

Life advice principles
What is so special about computers
Data Revolution, Activity History
-Spore Study

-permeability, meta- ubiquitous capture
-ObjecTop & Kinect, ChronoViz, Activity Trails,
-Autonomous Driving, information management
Klemmer – Design @ Large

- Wisdom of crowds
- Structured comparisons
- Juxtapeer
- Truth Crispness
- Citizen Science
- Dual Objective Function
- American Gut Project
Thank you for a great quarter.

Piazza is a great resource.
Help each other.
Give us your feedback.

Please fill out CAPEs and TA/IA evals.

Thank you.