



Welcome!

PSYC 51.09: Human Memory
Winter 2024

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$$x_j = (1 - \tau\kappa - \tau\lambda N) x_{j-1} + \tau f^{IN} + \epsilon_j$$

$$P(f_i | f^{input}) = \frac{Sim(f_i, f^{input})}{\sum_{k=1}^N Sim(f_k, f^{input})}$$

FOUNDATIONS OF HUMAN MEMORY

MICHAEL JACOB KAHANA

$$s_{t+1}(i) = \text{sgn} \left(\sum_j w(i, j) s_t(j) \right)$$

OXFORD

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	jeremymanning added image of dali's persistence of memory	7f14a15 2 hours ago	🕒 18 commits
📁	admin	added syllabus, consent to recording form	23 hours ago
📁	problem sets	file reorganization	yesterday
📁	slides	added introduction and overview slides	2 hours ago
📄	.gitignore	added problem sets	yesterday
📄	LICENSE	Initial commit	yesterday
📄	README.md	added image of dali's persistence of memory	2 hours ago

README.md

Human Memory

Welcome! This repository contains course materials for the Dartmouth undergraduate course [Human Memory \(PSYC 51.09\)](#). The syllabus may be found [here](#). Feel free to follow along with the course materials (whether you are officially enrolled in the course or just visiting!), submit comments and suggestions, etc. If you are a course instructor, you may feel free to use these materials in your own courses (attribution is appreciated).



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Course mater
course: Huma
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Languages
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Workload

- **Readings:** we'll work our way through the textbook, along with supplemental readings as needed. You'll read roughly a chapter each week.
- **Problem sets:** practice working with the concepts we cover (first one: **today!**). These contribute relatively little to your grade, and it doesn't matter if you get the "right" answers; the idea is to give you room to learn and make mistakes.
- **Exams:** test your conceptual understanding. The midterm and final will comprise the bulk of your final grade. Both are open book and time "unlimited" (you'll have up to 24 hours to finish each).

Format

- Each week (approximately) we'll discuss a theory
- Then we'll systematically tear it down
- At the end of the course we'll hopefully understand memory a bit better
- Goal: leave my course with a deep, cutting edge understanding of (a subset of) what is known about human memory

What is memory?

Why do we have
memory?

Does memory require
consciousness?

Ethics of memory

- Perfect model of memory
- Memory in the courtroom

What have you heard
about how memory
works?

For Friday...

- Check out the course [GitHub page](#)
- Read Chapter 1 in FoHM
- Start working on [Problem Set 1](#), due before class on January 10