

The background is a surrealist painting. It features a landscape with a body of water and a rocky shore under a pale sky. In the foreground, there are several melting pocket watches. One is on the left, another is in the center, and a third is on the right. The watches are melting and their faces are distorted. There are also some small objects like a shell and a piece of wood on the left side.

# Welcome!

PSYC 51.09: Human Memory  
Spring 2022

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$$\mathbf{x}_j = (1 - \tau\kappa - \tau\lambda N) \mathbf{x}_{j-1} + \tau \mathbf{f}^{\text{IN}} + \epsilon_j$$

$$P(\mathbf{f}_i | \mathbf{f}^{\text{input}}) = \frac{\text{Sim}(\mathbf{f}_i, \mathbf{f}^{\text{input}})}{\sum_{k=1}^N \text{Sim}(\mathbf{f}_k, \mathbf{f}^{\text{input}})}$$

# FOUNDATIONS OF HUMAN MEMORY

MICHAEL JACOB KAHANA

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

OXFORD

https://github.com/ContextLab/human-memory

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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).



About

Course mater  
course: Huma

📖

Readme

📄

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●

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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 Wednesday...

- Check out the course GitHub page
- Read Chapter 1 in FoHM
- Start working on Problem Set 1, due before class on April 2