

Cognition Lab

Introduction

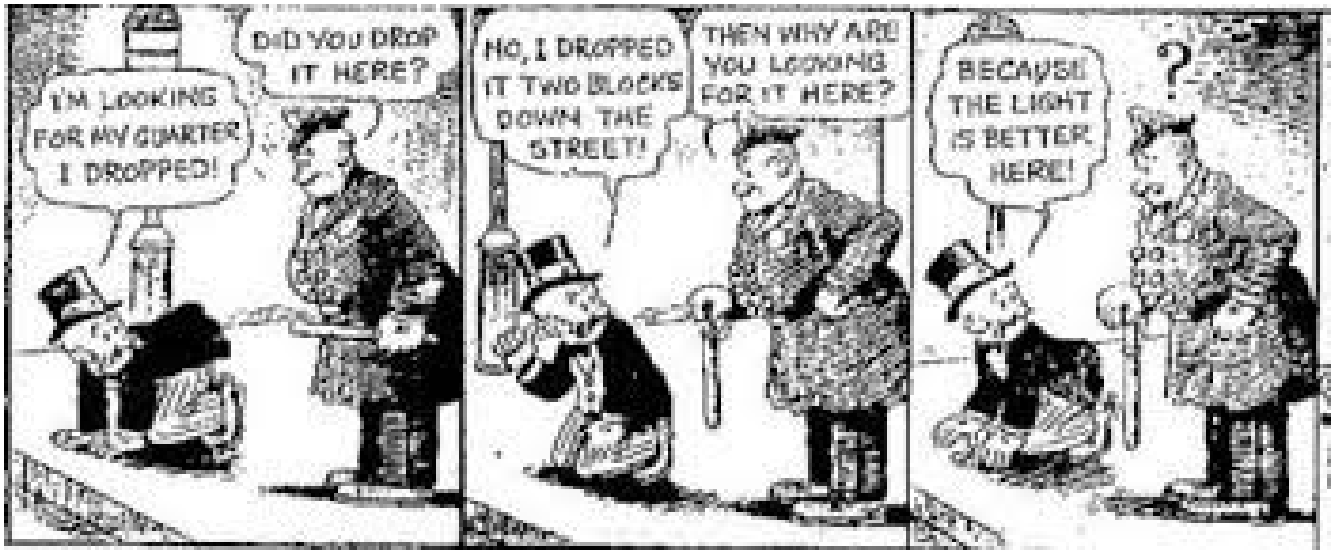
Today’s plan

- Introduction
- Class schedule
- Class requirements
- Labs
- PsychoPy
- First Assignment Overview

What is this class about?

- Psychology as a science
- What does is mean to be a scientist and a research psychologist…

Where the light is



Where can we learn about Psychology?

Dreams



Culture



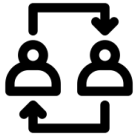
Daily Experience



Politics



Relationships



Popular Culture



Science



Introspection



Where can we learn about Psychology?

Dreams



Culture



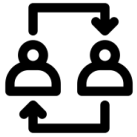
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Introspection



Scientific Method

- It’s a method of inquiry
- Start from an hypothesis
- Design Experiment
- Collect evidence
- Test the hypothesis
- … do it again
- Reach a collective consensus
- Does it mean I proved the hypothesis?

An example

- Pavlov
- Experiments with dogs
- Classical conditioning
- Operant conditioning
- Learning
- Clinical Psychology

What is this class about?

- Psychology as a science
- What does is mean to be a scientist and a research psychologist…
- … in today's society

… in todays’ society

- A new economy: an economy of attention
- Based on many psychological principles







Class Schedule

DATE	TOPIC	ASSIGNMENT DUE
Friday 1/31	Line Length – Lab Introduction	Lab 1 due on Wed 2/5
Friday 2/7	Stroop – Procedure	Lab 2 due on Wed 2/12
Friday 2/14	VSTM – Methods – Results	Lab 3 due on Wed 2/19
Friday 2/21	Mental Rotation – Introduction	Lab 4 due on Wed 2/26
Friday 2/28	Reverse Stroop – Discussion	Lab 5 due on Wed 3/4
Friday 3/6	Tone Discrimination – Abstract – PROPOSAL	Lab 6 due on Wed 3/11
Friday 3/13	Ethics – Instructions – Debriefing	SP Lab 7 due on Wed 3/25
Friday 3/27	Data Collection – Data Analysis	Lab 8 due on Wed 4/1
Friday 4/3	Pseudoscience – Methods	Lab 9 due on Wed 4/8
Friday 4/10	Replication Crisis – Results	Lab 10 due on Wed 4/15
Friday 4/17	Eugenics – Introduction	Lab 11 due on Wed 4/22
Friday 4/24	Persuasion – Discussion	Lab 12 due on Wed 4/29
Friday 5/1	Career – References – Abstract	*Lab 13 due on Sun 5/3**
		Final Project due Wed 5/6

The experiments we will cover are in red; assignments related to the final project are in blue; topics related to science and its role in today's society are in green.

*The last lab is due on Sunday because the complete final project is due on Wednesday

Class Requirements

- Final Project – 50%
  - APA style
- Weekly Assignments – 40 %
  - Labs
  - Short questionnaires
  - Datacamp
- Weekly Chat - 10%

- Office Hours: by appointment

Labs

- Deadline on Wednesday evening
- Grading: 0,1,2,3
- Resubmit by next week and get a full grade
- Late submission: max grade is a 2

PsychoPy trial run

- Download PsychoPy
- Open it. Go to “coder view” (→View/Coder View)
- Create “Cognition Lab” folder
- Create “Lab 1” subfolder
- Download **linelength_3.py** (Sakai Resources/Labs /Lab 1)
- Move the .py file to your “Lab 1” subfolder
- Again, make sure you are on “coder view” in PsychoPy
- Run linelength_3.py for 1 session with 3 trials:
  - SubjectID: your initials
  - Number of trial: 3
  - → to “run” the file, click on the little green “running” man
- Locate output excel file; open it
- How many files do you have in the folder now?
- → for Lab 1 you will run 3 sessions with 30 trials each