

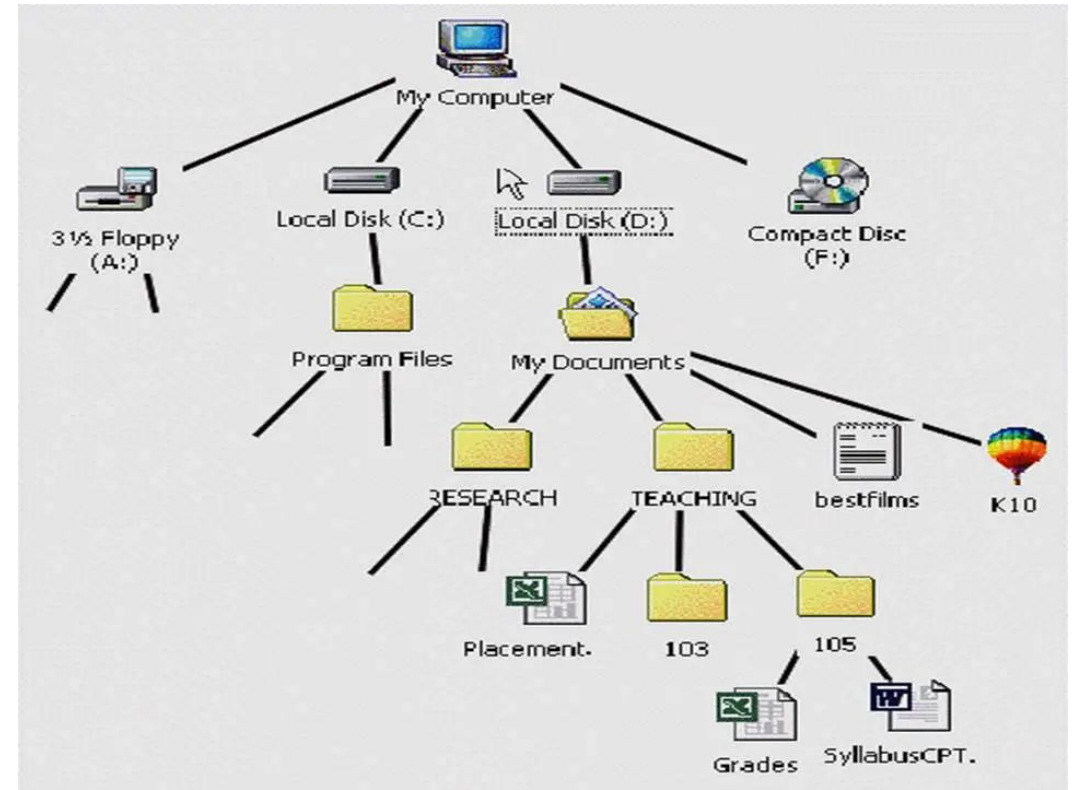
# Psych 138: Section 1

Ryan Pili

Fall 2023

Office Hours: Tues., 2:30 - 4 PM

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# Agenda

1. Introductions
2. Set up Google Drive Folders
3. Introduce Google Colab
4. Obtaining Files from Github

# Goals

1. Where do I put my assignments?
2. How do I create Google Colab notebooks?
3. How do I retrieve coding assignment prompts from Github?
4. How do I share my work with Ryan if I need help?
5. How do I turn in my Section assignments?

# Introductions

- Name?
- Pronouns?
- Where are you from?
- Favorite part of UCSC so far?
- Last movie, tv show, youtube video, etc that made you cry?

# Course Agreements

- What are my expectations for you?
- What are your expectations for me?
- What are the expectations for the class and for each other?
- What are your expectations for group work?

# Course Agreements

- What are my expectations for you?
  - Effort in assignments and discussions
  - Listen and Contribute
- Reach out early
  - Help with material, assignments
  - Issues with group, class
- Avoid plagiarism
  - Ask me if you are unsure!

# Course Agreements

- What are your expectations for me?
  - Something that a previous educator has done that you would like me to try?
  - Something that a previous educator hasn't done that you would appreciate?
- Email me if you have any comments!


# Course Agreements

- Expectations for the class and for each other?
  - Remain Respectful
    - During peer programming, group work, Canvas, Discord, etc.
  - Academic Integrity
    - Academic Misconduct Policy
    - The process for dealing with a case of academic misconduct is extremely unfavorable, even before the sanctions are administered.



# Course Agreements

- What are the expectations for group work?
  - Multi-talker speech is difficult!
  - Speak clearly and loudly, if possible.
    - Return focus promptly when I ask.
  - Peer Programming
    - Follow the instructions
    - Try your best to contribute equally



# **Setting up Google Drive Folders**

# Google Drive Folders

- **Goal:** Each student to have one Google Drive folder. All students' Google Drive folders will have the same **folder structure** (i.e., subfolders).
- I will access your folder when grading your coding assignments and section assignments.
- You *must* use the exact same names for your subfolders: correct capitalization, punctuation, spaces, etc.
- If I cannot find your assignment because your folder structure is different, I cannot grade your assignment!

# Google Drive Folders

- **Goal:** Each student to have one Google Drive folder. All students' Google Drive folders will the same **folder structure**.

```
(base) rpili@Ryans-MacBook-Pro psych138 % tree Psych138_Pili
Psych138_Pili
├── Assignments
│   ├── Assignment1
│   ├── Assignment2
│   ├── Assignment3
│   ├── Assignment4
│   └── Assignment5
├── Lectures
└── Sections
    ├── Sections1
    ├── Sections2
    ├── Sections3
    ├── Sections4
    ├── Sections5
    ├── Sections6
    └── Sections7
```

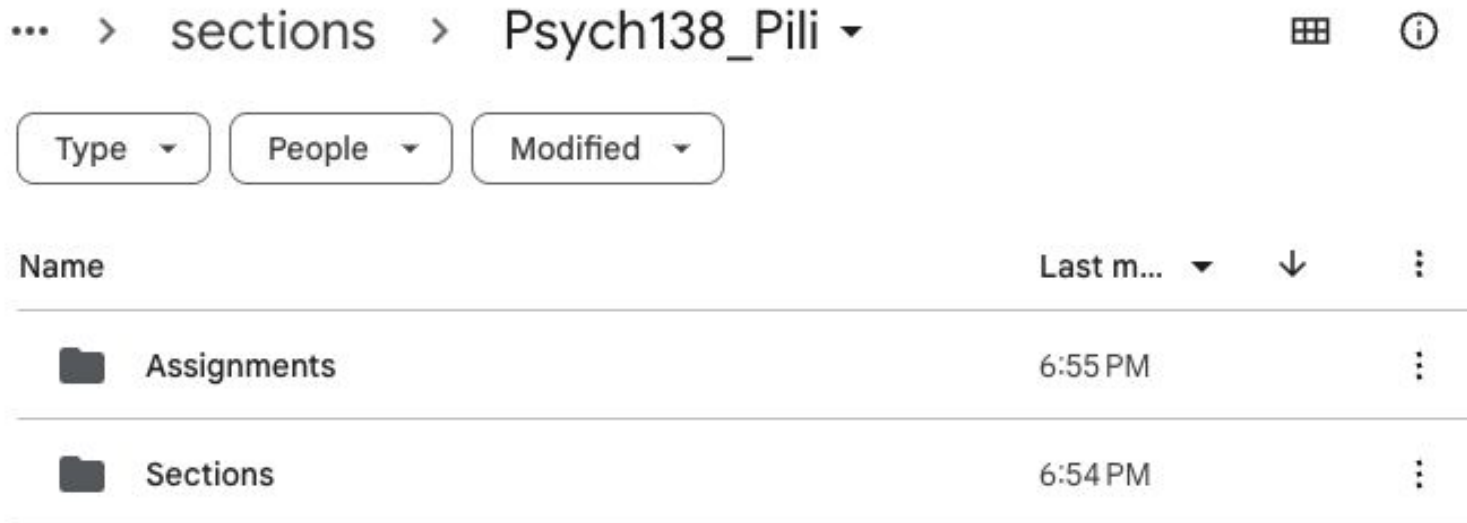
\*you can make a Lectures folder if you'd like,  
I'm not going to look in there though

# Google Drive Folders

- **Goal:** Each student to have one Google Drive folder. All students' Google Drive folders will the same **folder structure**.
- **Steps:**
  - 1. Create a Google Drive folder named, "Psych138\_[LastName]"
    - Psych138\_Pili
  - 2. Inside "Psych138\_[LastName]", create a subfolder named, "Assignments"
  - 3. Inside "Assignments", make 5 subfolders
    - "Assignment1", "Assignment2", "Assignment3", "Assignment4", "Assignment5"
  - 4. Inside "Psych138\_[LastName]", create a subfolder named, "Sections"
  - 5. Inside "Sections", make 7 subfolders
    - "Section1", "Section2", "Section3" ... "Section7"

# Google Drive Folders

- **Goal:** Each student to have one Google Drive folder. All students' Google Drive folders will the same **folder structure**.



Your folder should look like this when you open it. (Minus the “sections”) in the top left.

I will refer to this folder as “P138”.



# **Google Colab Notebooks**

# Creating Google Colab Notebooks

**Goal:** Create a notebook that we can try writing some Python code in.

1. Navigate to P138/Sections/Section1
2. Right click on the open space in the folder
3. Hover “More”
4. Click “Google Colaboratory”
5. This will create and open a new Colab Notebook called, Untitled0.ipynb.
6. Rename the notebook to Section1.ipynb
  - a. **This is your unofficial section assignment for today!**



# Editing Google Colab Cells

Google Colab / Notebooks are built around Code cells and Text cells.

- Write code in Code cells and run them incrementally.
- Write text (markdown) in Text cells to organize cells, comment on cells, describe what will happen in the next cell, etc.

## Making Changes

- Creating New Code Cells
- Creating New Text Cells
- Deleting Cells
- Adding Sections and using Section View

# Running Google Colab Cells

Google Colab / Notebooks are built around Code cells and Text cells.

- Write code in Code cells and run them incrementally.

## Running Code

- Running a single cell
- Running all cells
- Monitoring variables (Variable View)
- Restart **runtime** and run all

# Saving Google Colab Notebooks

## Saving Changes to Google Colabs

- It should auto-save but I recommend manually saving

## Standard Save

- File > Save

## Naming Versions Save

- You can name the current state to easily return back to it.
- File > Save and Pin Revision
- then review at: File > Revision History

# Saving Google Colab Notebooks

- If you create a notebook the way we just did, by navigating to the correct folder then right clicking to create the Colab Notebook, you can then easily find it again in P138.
- If you create a notebook in pretty much any other way, the notebook will be extremely challenging or impossible to find.
  - (If you cannot find it, I definitely cannot!)
  - You will do this when saving the assignment prompts from Github.



# **Saving notebooks from Github**

# Saving Colab Notebooks from Github

Assignment prompts will be posted as Google Colab Notebooks, stored on Github.

- For any given Assignment, you will need to save a copy of the Colab Notebook from Github into the correct location in your Google Drive.
- <https://github.com/CogPsychCoding/psych138files>
- Let's practice with Lecture 1's Colab Notebook.

# Saving Colab Notebooks from Github

1. Go to: <https://bit.ly/Psych138Repository>
2. Navigate to the correct colab notebook
  - a. psych138files/Lectures/Lecture1
3. Click on the notebook
  - a. Lecture1.ipynb
4. Click on the “Open in Colab” button
5. Now you’re in an **unsaved, unfindable copy** of the Lecture1.ipynb notebook
6. Click File > Save copy in Drive
  - a. This opens a unsaved, findable copy of the Lecture1.ipynb
7. Click File > Move, and move into the correct folder in your Google Drive
  - a. For now, put into ~/Sections/Section1
  - b. You can now find your own personal copy of the notebook in whichever folder you moved it to.

# Saving Colab Notebooks from Github

- Now you have created a copy of the Colab Notebook from the Github, and placed it into the correct folder.
- For Assignment 1, for example, you'll need to follow the same steps to allow you to:
  - Have access to the prompt
  - Edit the prompt (input responses) and save your edits
  - Provide me access to your Assignment 1, for grading, for assisting, etc.



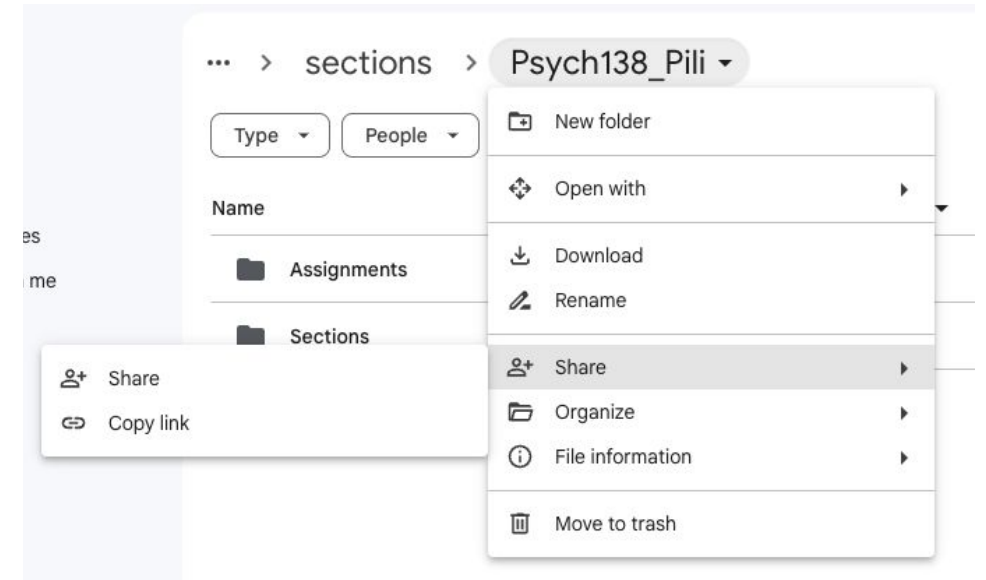


**Sharing Material  
with TA**

# Share your Psych138\_[LastName] folder

**Goal:** Share your entire P138 folder with me, so that I can see your work.

1. Right click the folder
2. Share > Share > then enter  
rpili@ucsc.edu and click send
  - a. You can turn off “Notify people”
  - b. Give me Editor access



# Getting Help from TA, Professor

- When you need assistance with a particular Colab Notebook, include the link to the Colab Notebook in your email.
- Do **not** share raw code, script files, notebook files in emails, please!
- You do not need to share any folders with Prof. Seymour at this time.

# Closing

- Email me if you have any questions.
- Section assignment: Created Section1.ipynb in the correct location in P138.
- Have a great weekend!

Wk	Lec	Date	Day	Class Topics	Study Before Class
1	1	28-Sep	Thur	Introduction to Course	---
				Section Assignment; Weekly Assignment due Tuesday	
2	2	3-Oct	Tues	Useful Lab Calculators Using Mathematical Expressions	Ch1: Vid2, Vid3
2	3	5-Oct	Thur	Truthiness in Python	Ch1: Vid4