Psych 138: Section 1

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Fall 2023
Office Hours: Tues., 2:30 - 4 PM
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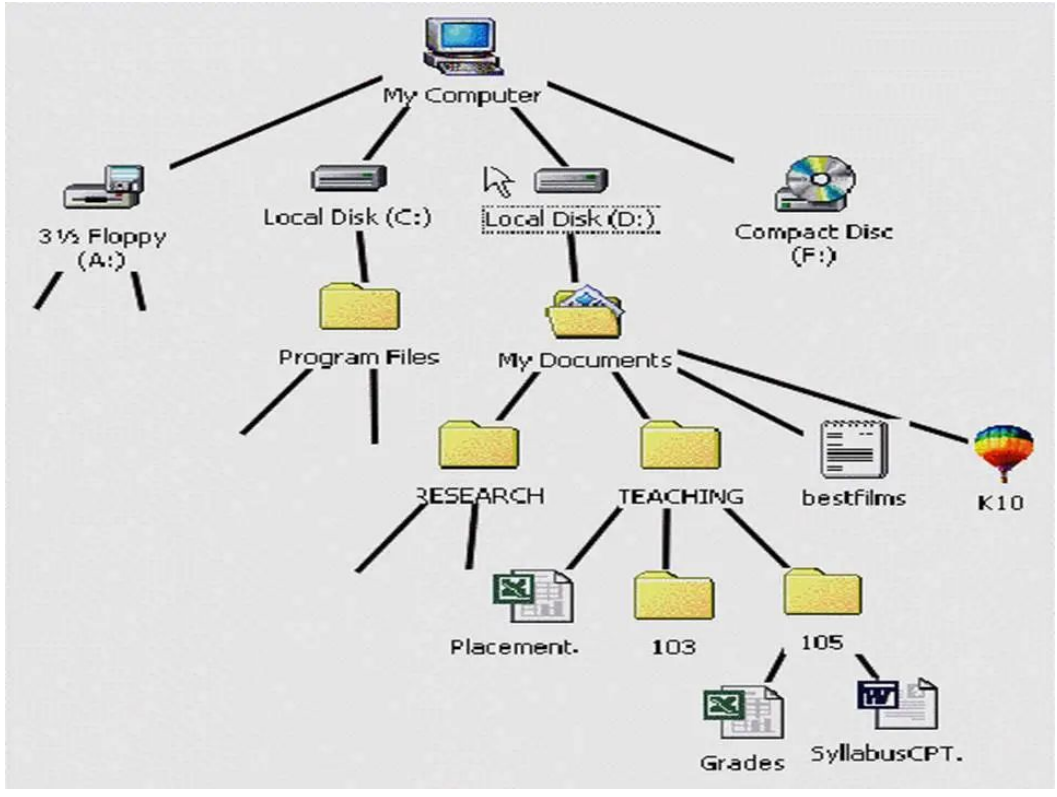


Agenda

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?

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

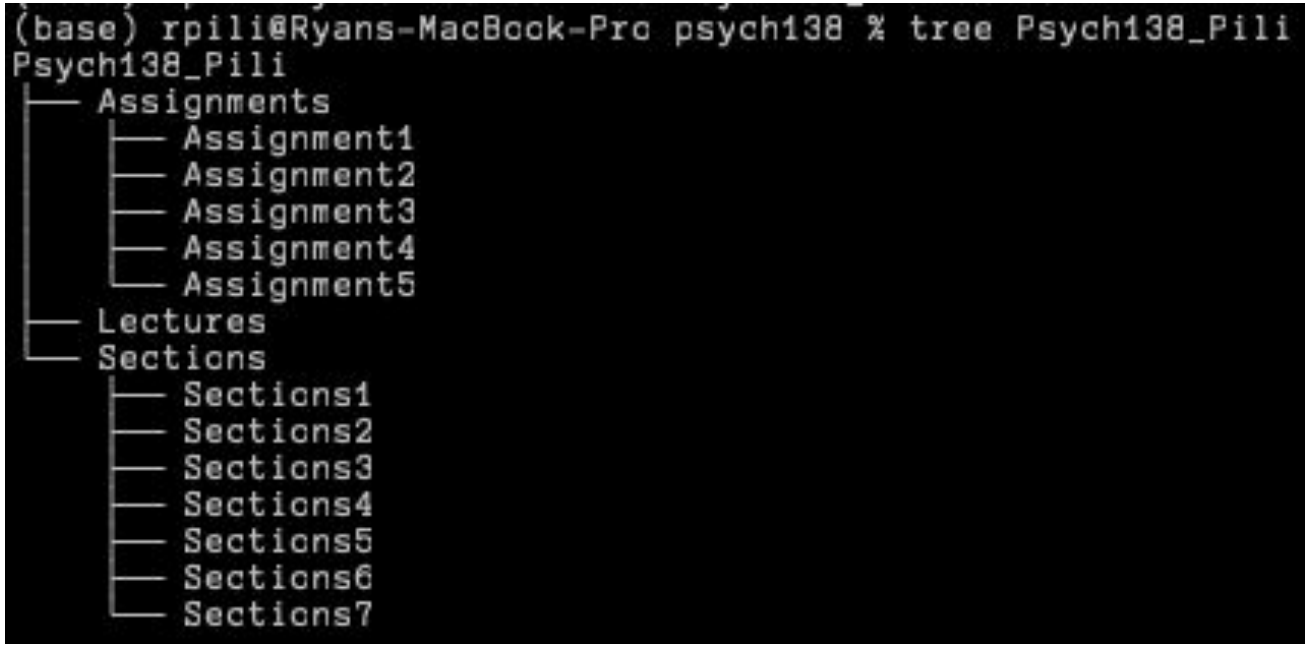
Setting up Google Drive Folders

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**.



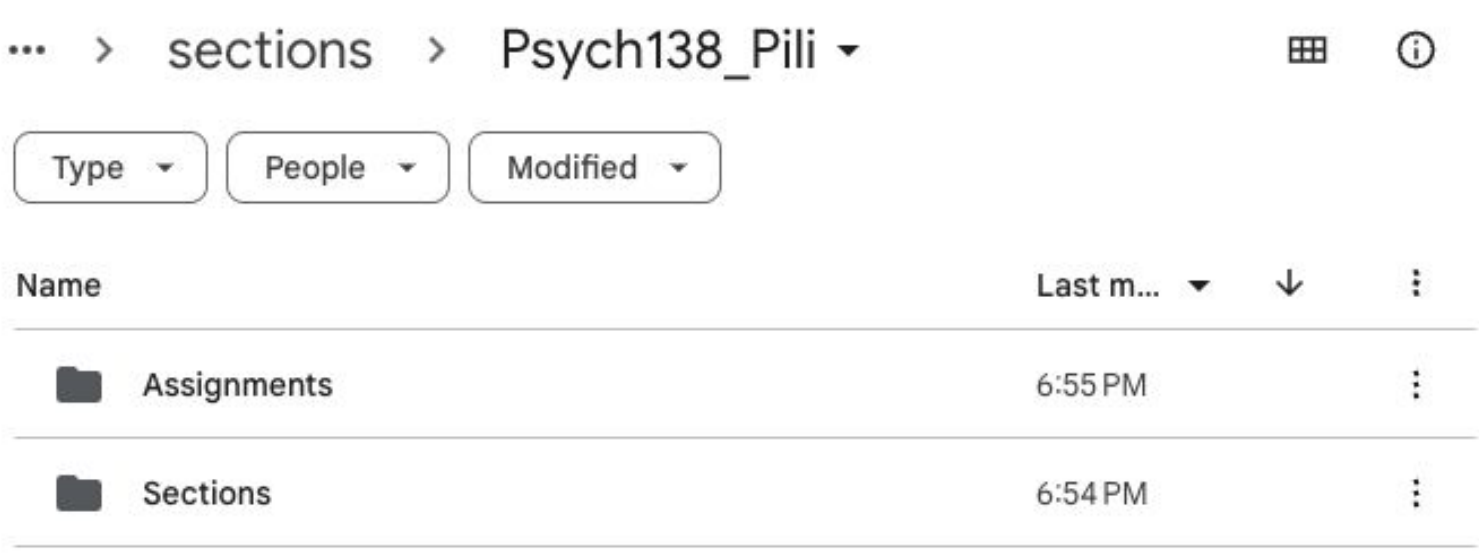
*you can make a Lectures folder if you'd like, I'm not going to look in there though

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.
This notebook will be your section assignment for Section 1.

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 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 > Move, and move into the correct folder in your Google Drive
   a. For now, put into ~/Sections/Section1

Saving Colab Notebooks from Github

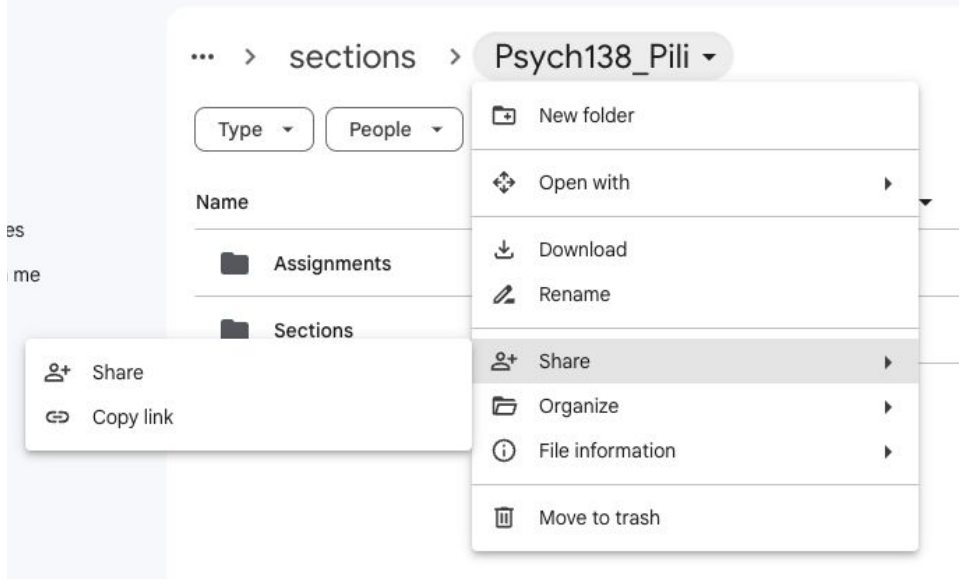
- Now you have created a copy of the Colab Notebook from the Github, and placed it into the correct folder.
- For Assignment 1, for example, you'll need to follow the same steps to allow you to:
    - Have access to the prompt
    - Edit the prompt (input responses) and save your edits
    - Provide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