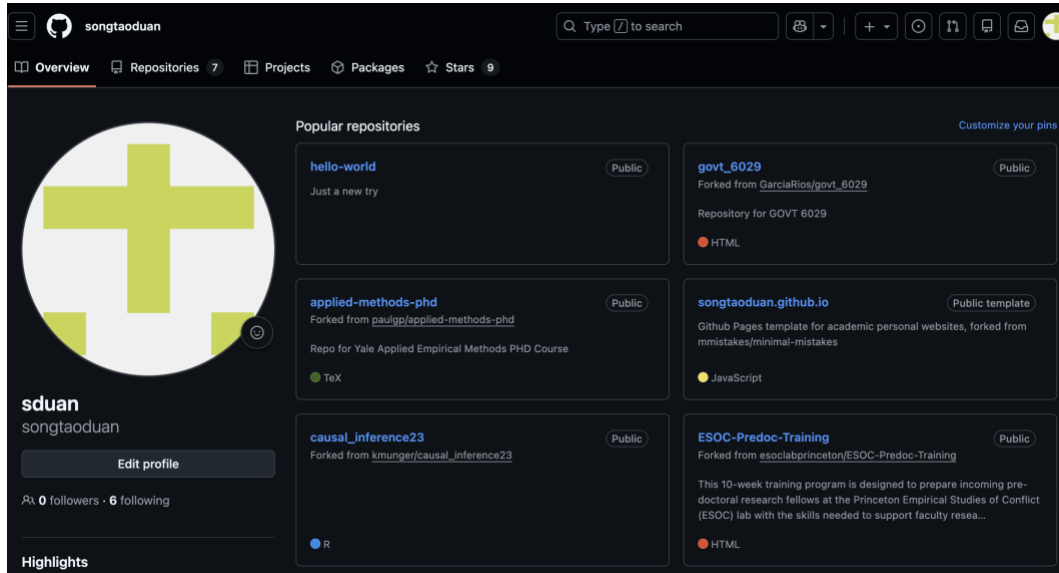


# SODA 501 Problem Set 1

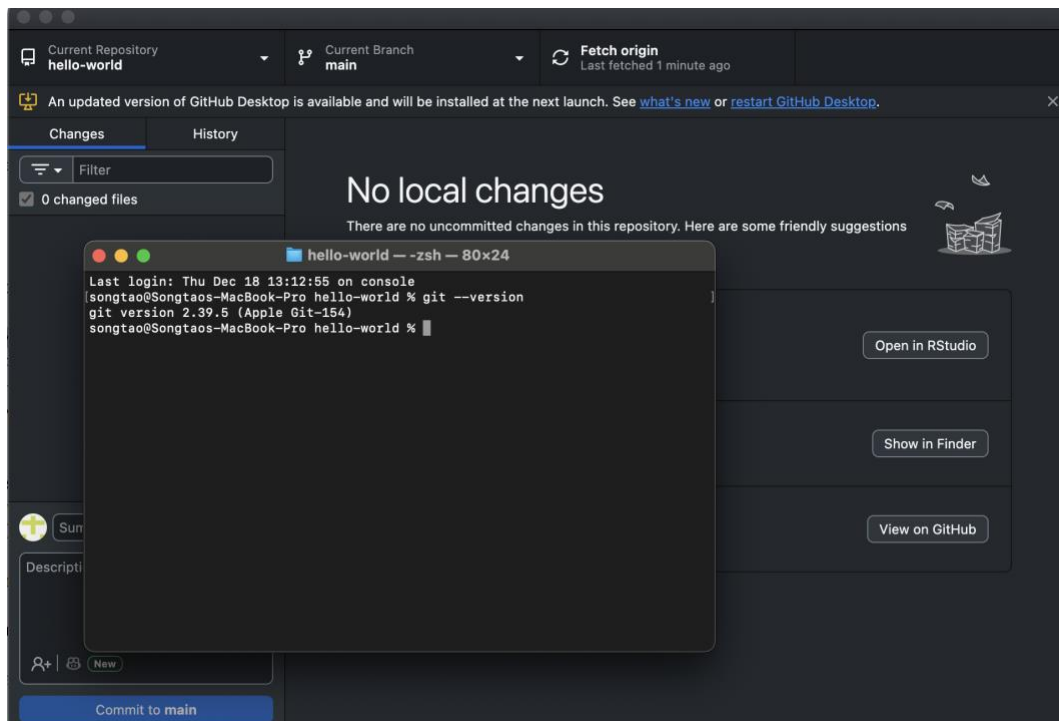
## Songtao Duan

Jan 18, 2026

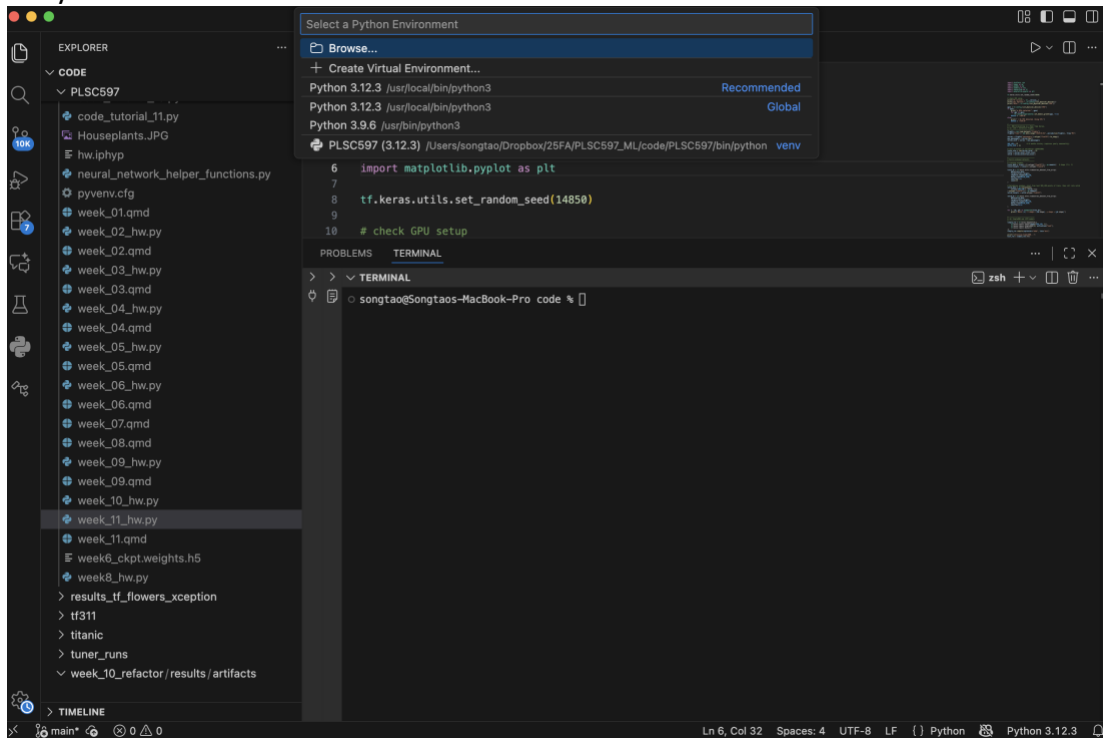
### 1. GitHub Account



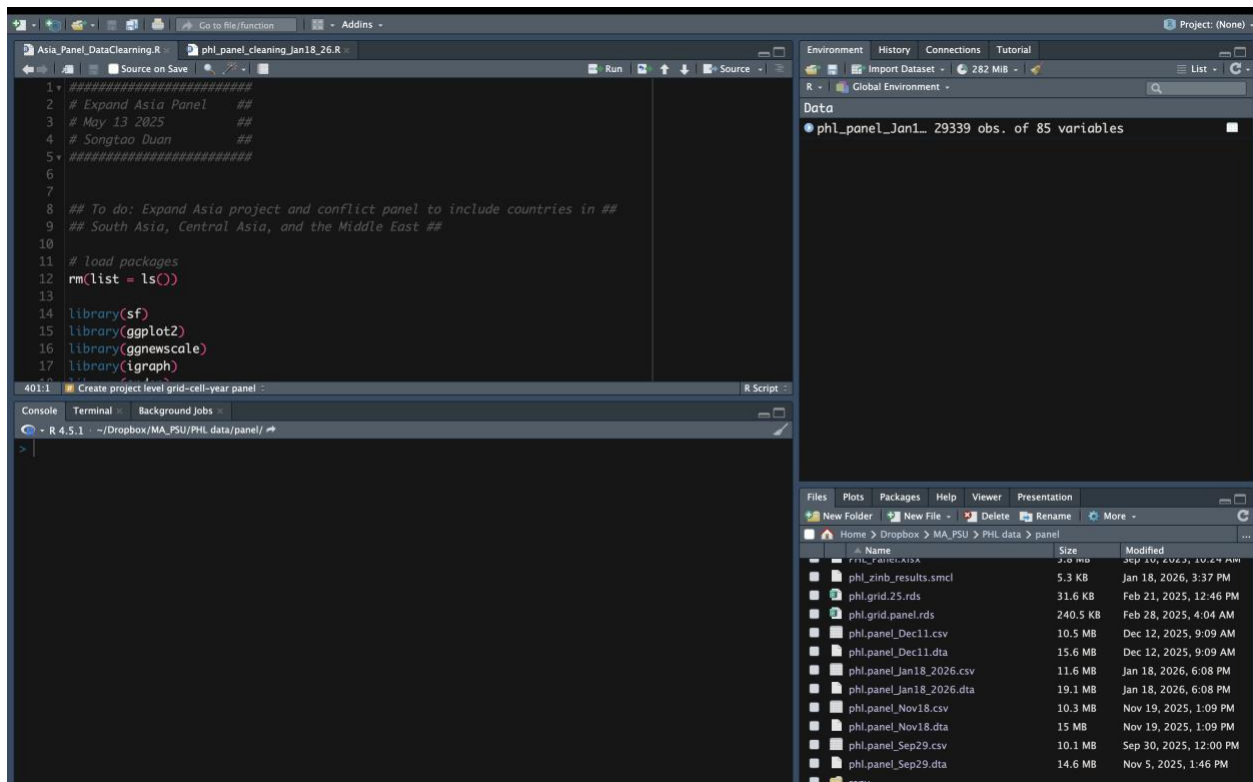
### 2. Git installed (git --version)



### 3. Python Installed



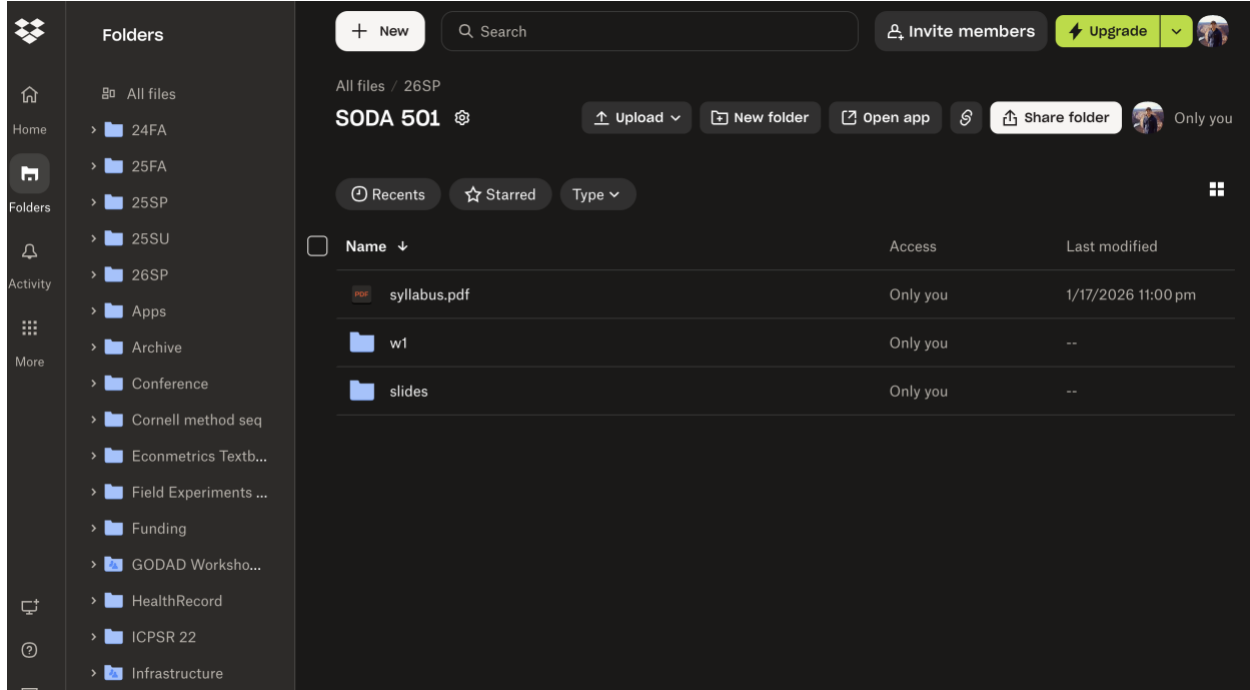
### 4. R installed (version 4.5.1)



## 5. IDE installed

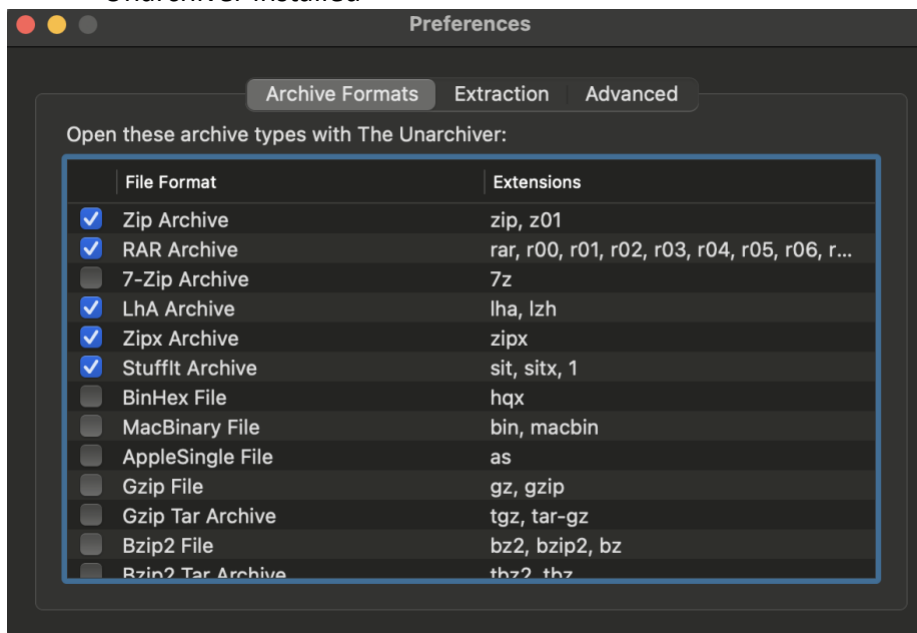
- see RStudio and VS Code page above.

## 6. Cloud-synced course folder (Dropbox: SODA501)

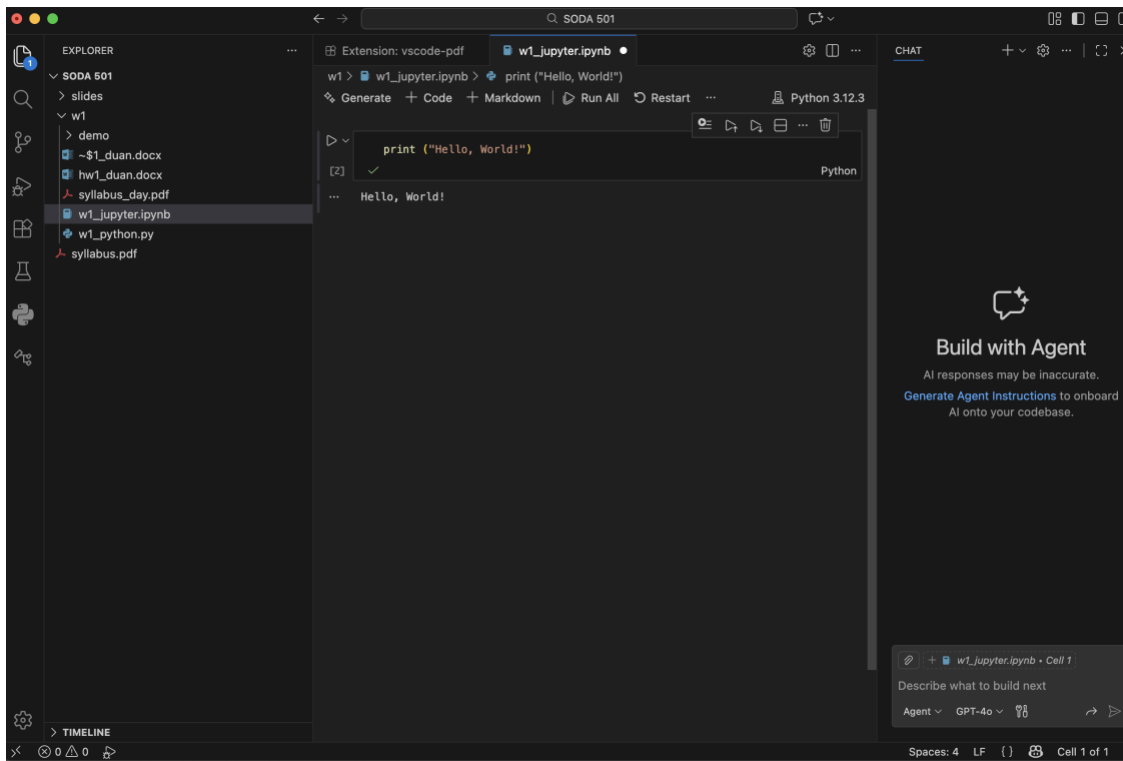


## 7. Compression utility

- Unarchiver installed



## 8. Jupyter installed (within vscode)



## 9. SQLite tools installed

New Database

Open Database

Write Changes

Revert Changes

Undo

Open Project

Save Project

Attach Database

Close Database

Database Structure

Browse Data

Edit Pragma

Execute SQL

DB Browser for SQLite - In-Memory database

Filter in any column

	field1	field2	field3	field4	field5	field6	field7	field8	field9	field10	field11	
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	
1	id	relid	year	active_year	code_status	type_of_evidence	conflict_desc_id	conflict_new_id	conflict_name	dyad_desc_id	dyad_new_id	dyad_name
2	844687	IRQ-2017-1-684-383	2017	1	Clear	1	859	859	Iraq Government	584	584	Government of Iraq - IS
3	418700	IRQ-2021-1-684-145	2021	1	Clear	1	859	859	Iraq Government	584	584	Government of Iraq - IS
4	418083	IRQ-2021-1-684-145	2021	1	Clear	1	859	859	Iraq Government	584	584	Government of Iraq - IS
5	418090	IRQ-2021-1-684-144	2021	1	Clear	1	859	859	Iraq Government	584	584	Government of Iraq - IS
6	138140	AFG-1989-1-411-8	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
7	130394	AFG-1989-1-411-37	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
8	130389	AFG-1989-1-411-4	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
9	133683	AFG-1989-1-411-39	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
10	133674	AFG-1989-1-411-6	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
11	133678	AFG-1989-1-411-36	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
12	133688	AFG-1989-1-411-40	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
13	133691	AFG-1989-1-411-9	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
14	133692	AFG-1989-1-411-7	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
15	133698	AFG-1989-1-411-8	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
16	133707	AFG-1989-1-411-41	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
17	133900	AFG-1989-1-411-10	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
18	133901	AFG-1989-1-411-11	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
19	133917	AFG-1989-1-411-42	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
20	133928	AFG-1989-1-411-14	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
21	189851	AFG-1989-1-411-15	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
22	133948	AFG-1989-1-411-84	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
23	133950	AFG-1989-1-411-16	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
24	133982	AFG-1989-1-411-18	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
25	133981	AFG-1989-1-411-17	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
26	133994	AFG-1989-1-411-43	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan
27	133991	AFG-1989-1-411-44	1989	1	Clear	1	333	333	Afghanistan Government	724	724	Government of Afghanistan

1 - 27 of 349,734

Go to: 1

Mode: Text

1

Editing row=1, column=0

Type: Text / Numeric; Size: 1 character(s)

Identity

Select an identity to connect

DBHub.io

Local

Current Database

Name

Last modified

SQL Log

Pivot

DB Schema

Remote

## 10. IRB



Completion Date 11-Oct-2024  
Expiration Date 11-Oct-2027  
Record ID 64675654

This is to certify that:

**Songtao Duan**

Has completed the following CITI Program course:

**Human Subjects Research**  
(Curriculum Group)  
**Social and Behavioral Human Subjects Research (IRB) Course**  
(Course Learner Group)  
**1 - Basic Course**  
(Stage)

Under requirements set by:

**Pennsylvania State University**



Collaborative Institutional Training Initiative  
101 NE 3rd Avenue, Suite 320  
Fort Lauderdale, FL 33301 US  
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Completion Date 20-Oct-2024  
Expiration Date N/A  
Record ID 64641640

This is to certify that:

**Songtao Duan**

Has completed the following CITI Program course:

**Responsible Conduct of Research**  
(Curriculum Group)  
**Responsible Conduct of Research (RCR) - Basic**  
(Course Learner Group)  
**1 - Basic Course**  
(Stage)

Under requirements set by:

**Pennsylvania State University**



Collaborative Institutional Training Initiative  
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