

## Sphero Research Project

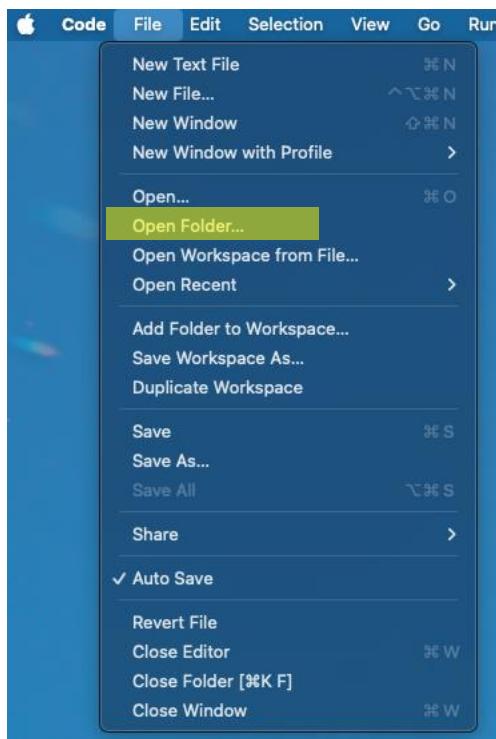
### **Setting Up Visual Studio Code & Sphero Code**

#### **FIRST TIME SETUP:**

1. **Download and Install** Microsoft Visual Studio Code (VS Code):

(Mac/Windows): <https://code.visualstudio.com/download>

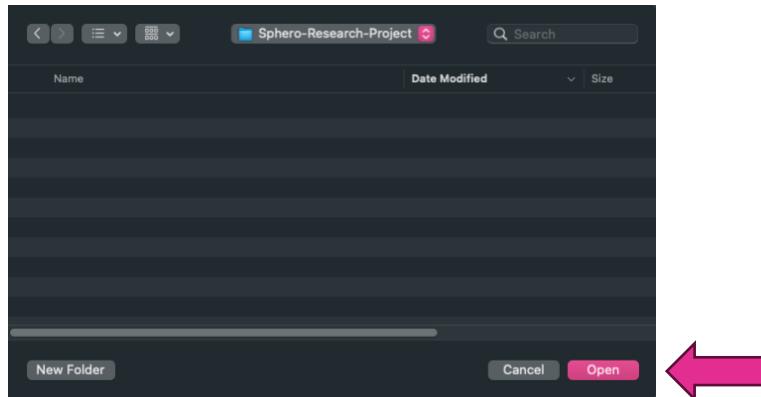
2. **Open VS Code → File → Open Folder**



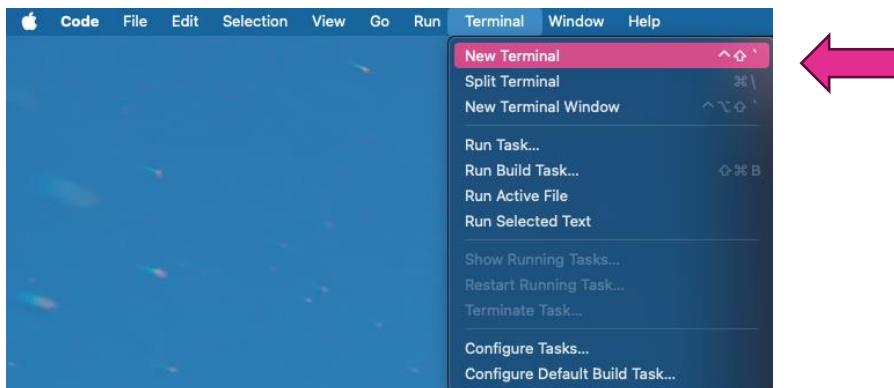
### **3. Create a New Folder:**

- Make a new folder called “Sphero-Research-Project” wherever you would like to save the project files.

### **4. Click Open:** to use this empty folder as your project directory.



### **5. Click Terminal → New Terminal**



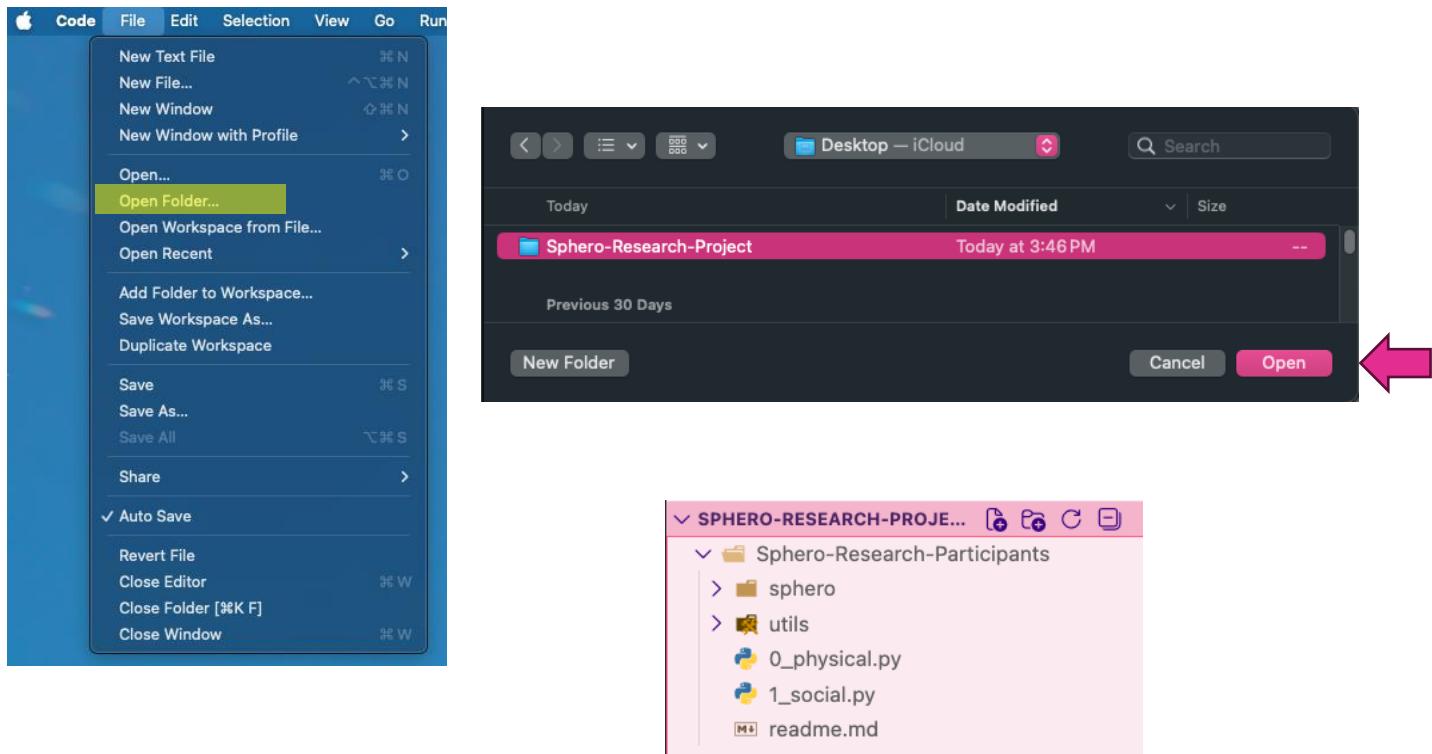
### **6. Clone the Git Repository: get a local copy of all necessary files**

- Copy and paste this into your new terminal:
  - **git clone git@github.com:amanda-pang/Sphero-Research-Participants.git**

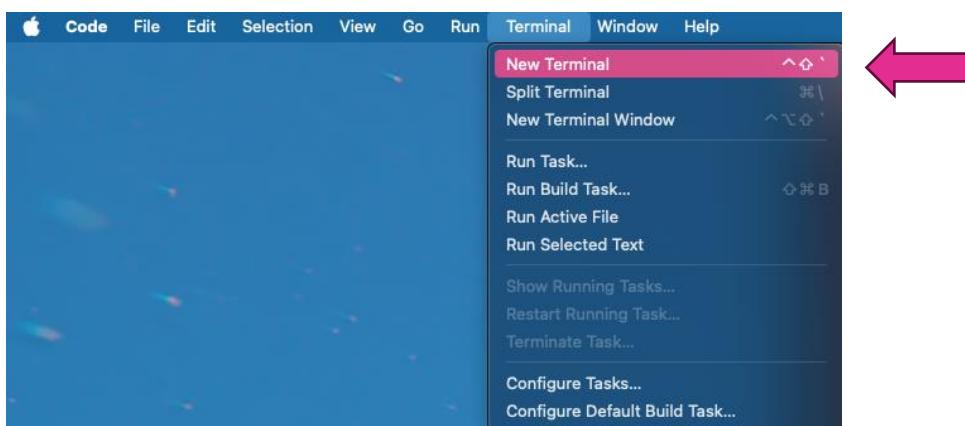
## Running your Sphero

### 1. Open VS Code → File → Open Folder → Sphero-Research-Project

- Open the folder where you've saved all the project files



### 2. Click Terminal → New Terminal



**3. Copy and Paste this into your terminal:** Move into the Sphero-Research-Participants directory

- **cd Sphero-Research-Participants**

**4. Activate your Virtual Environment:** use correct versions of programs provided in /sphero folder

- Copy and paste this into your terminal:

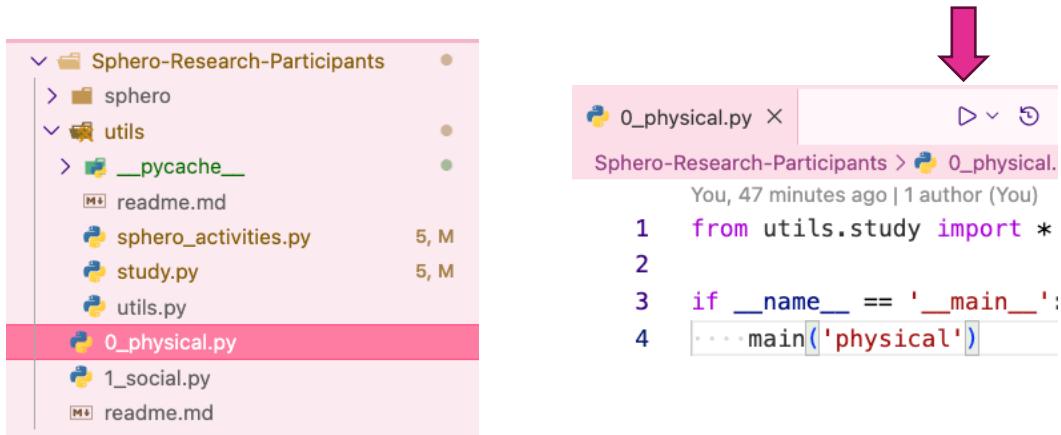
- **source sphero/bin/activate**

```
● (base) amanda_mac@Amandas-MacBook-Pro Sphero-Research-Participants % source sphero/bin/activate
○ (sphero) (base) amanda_mac@Amandas-MacBook-Pro Sphero-Research-Participants % █
```

## **5. Running Physical / Social: Sphero Research Conditions**

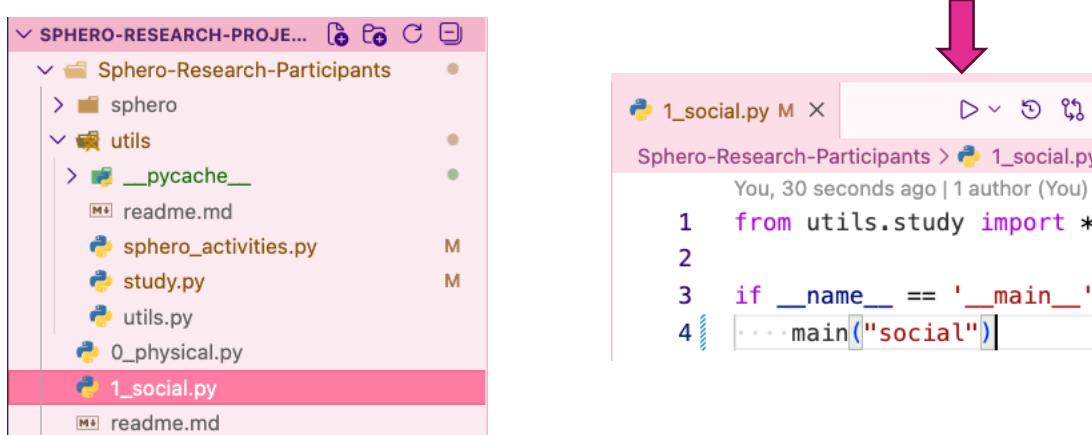
5a. If you are currently in the “Physical” arm, click the file “0\_physical.py”

- Then click the “run” button on the top right.



**5b. If you are currently in the “Social” arm, click the file “1\_social.py”**

- Then click the “run” button on the top right.

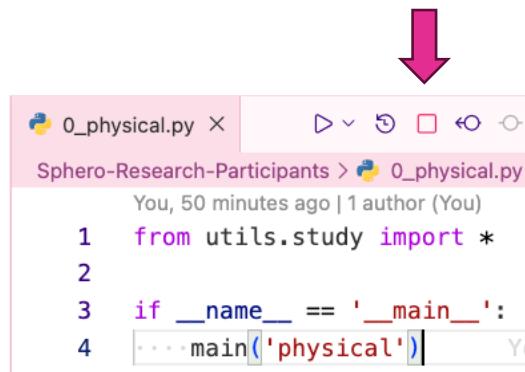


6. That's it! Just leave your Sphero buddy nearby while you work, and leave VS Code open and running in the background.

- Use our website to track the start and end of your study session, and log when you complete a stretch.

## **Disconnect & End**

1. When you are done with your studying/working session:
  - Disconnect your Sphero and quit the program by clicking the “Stop” button in VS Code.



```
0_physical.py X ▶ v ⏪ ⏴ ⏵ ⏹ ⏸ ⏹
Sphero-Research-Participants > 0_physical.py
You, 50 minutes ago | 1 author (You)
1 from utils.study import *
2
3 if __name__ == '__main__':
4     main('physical')
```

2. Navigate to our website, and click “End Study Session”.
  - If you forget to log any events (start/end time, or a stretch break), you may manually enter this information on the “Manual Entry” tab.

*Thank you for participating in our study!!*