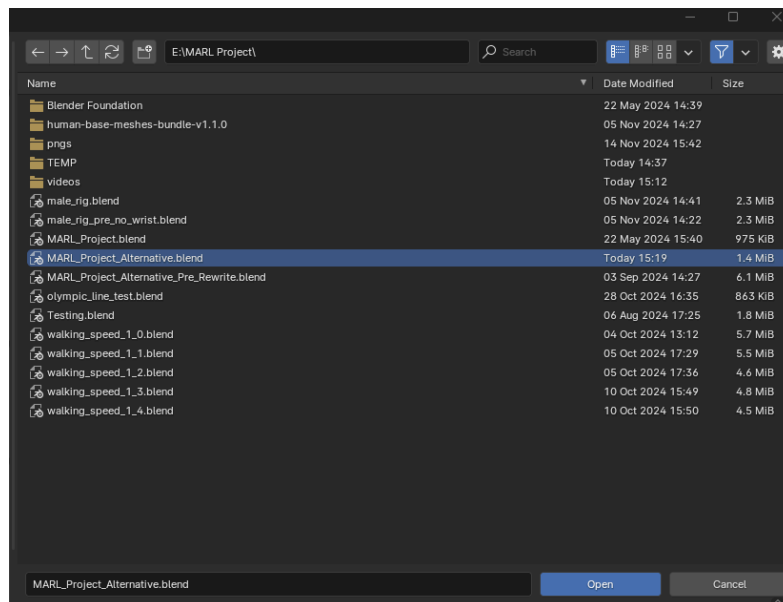
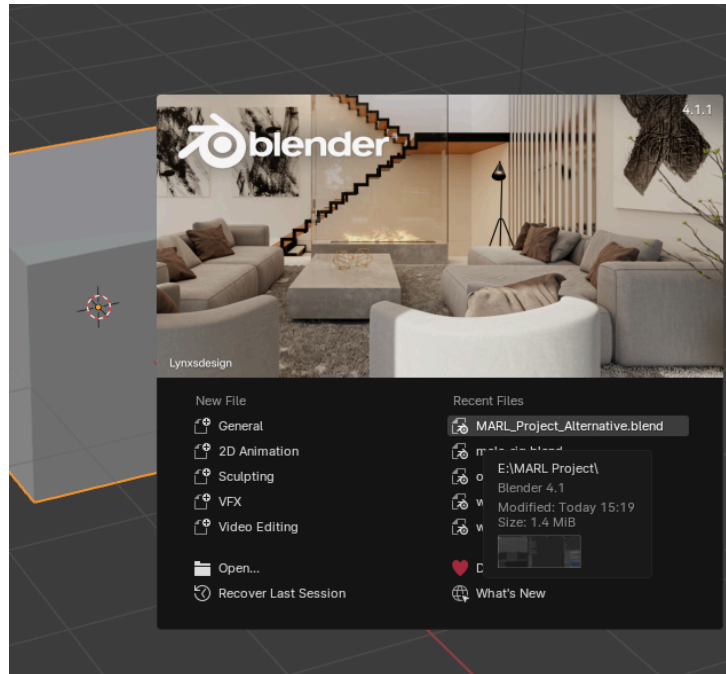
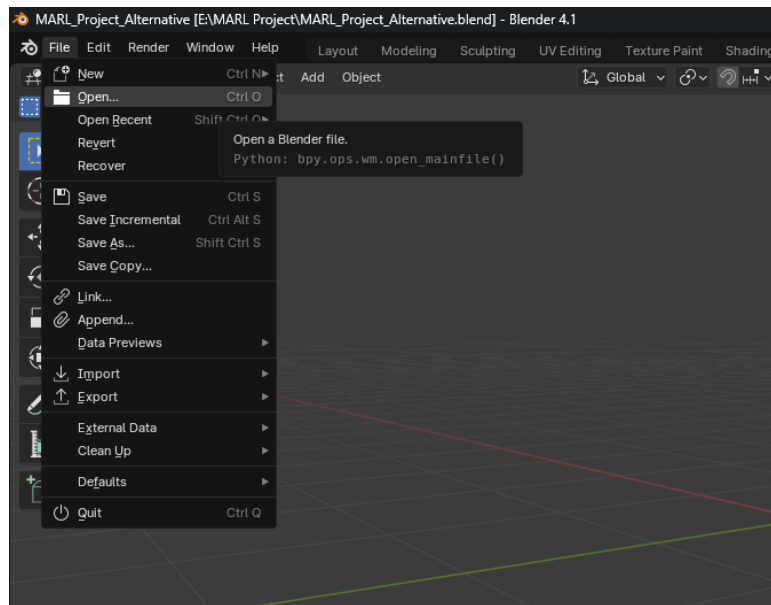


This is a step by step process of using the Blender tool for patient data visualization. All needed files and applications other than input excel sheets are on the flash drive.

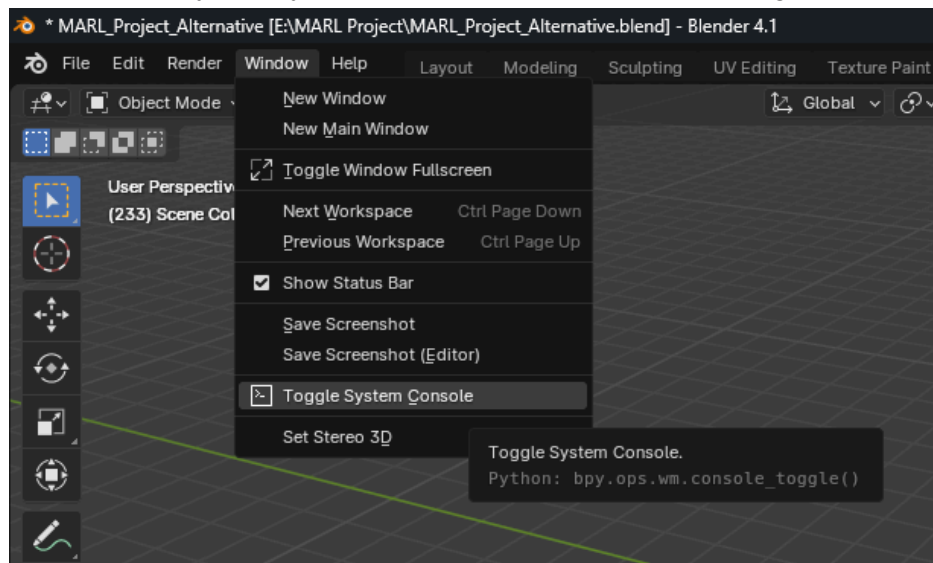
1. Open the MARL Project directory and navigate to **E:\MARL Project\Blender Foundation\Blender 4.1\PATIENT_DATA_GOES_HERE**
 - a. In this folder, you will add all excel files for patients you want to visualize the data of
 - b. All excel files MUST be formatted as such:
tid_age_sex.csv
Where sex is either m or f
 - c. If this formatting must be changed, let me know and I will edit the code
2. Open up the blender project itself by navigating to **E:\MARL Project\Blender Foundation\Blender 4.1\blender-launcher.exe** and running the application
 - a. Select the MARL_Project_Alternative project from the launch screen (you may have to navigate in the “Open” choice if it does not appear in Recent Files



- b. If the project MARL_Project_Alternative is not open and you have closed the launch screen or opened the wrong file, use the file tab to open the correct project



3. Extra step: open the python system console in order to see the progress of the program



a.

4. Switch to the scripting tab and click somewhere in the text editor tab (the right tab with all the code)

```

550 def main():
551     firstRun = True
552     |
553     os.chdir(DRIVE + "MARL Project")
554
555
556     folder = DRIVE + "MARL Project\\videos"
557     for outputfilenamevideos in os.listdir(folder):
558         file_path = os.path.join(folder, outputfilenamevideos)
559         try:
560             if os.path.isfile(file_path) or os.path.islink(file_path):
561                 os.unlink(file_path)

```

5. Hold left alt and press P (alt + p) in order to run the program
6. Wait for the program to finish, and you'll find all videos organized in folders by patient id in the **E:\MARL Project\videos** directory

Extra notes:

- other programs you may find in the directory are previous iterations of the project, with some exceptions such as "male_rig" being necessary to run the program
- You will find a folder called TEMP in the **E:\MARL Project\TEMP** directory showcasing used test data and previous outputs of the project as it was developed
- You will find a file called "**old code that doesnt work but might be useful later.txt**" in the **E:\MARL Project** directory which contains outdated code that may be used as reference material if ever required
- **ALL CONTENTS OF THE VIDEOS DIRECTORY WILL BE DELETED UPON RUNNING THE PROGRAM**, this is to prevent bloating the flash drive with outdated data
- If the drive for the project is ever somehow changed, such as going from E:// to D://, there is code on lines 31 and 32 that will allow for a simple change of this. Do note that you must save the project again after any changes (ctrl + s)
 - You might need to change something in the male_rig file, I will verify this at a later date