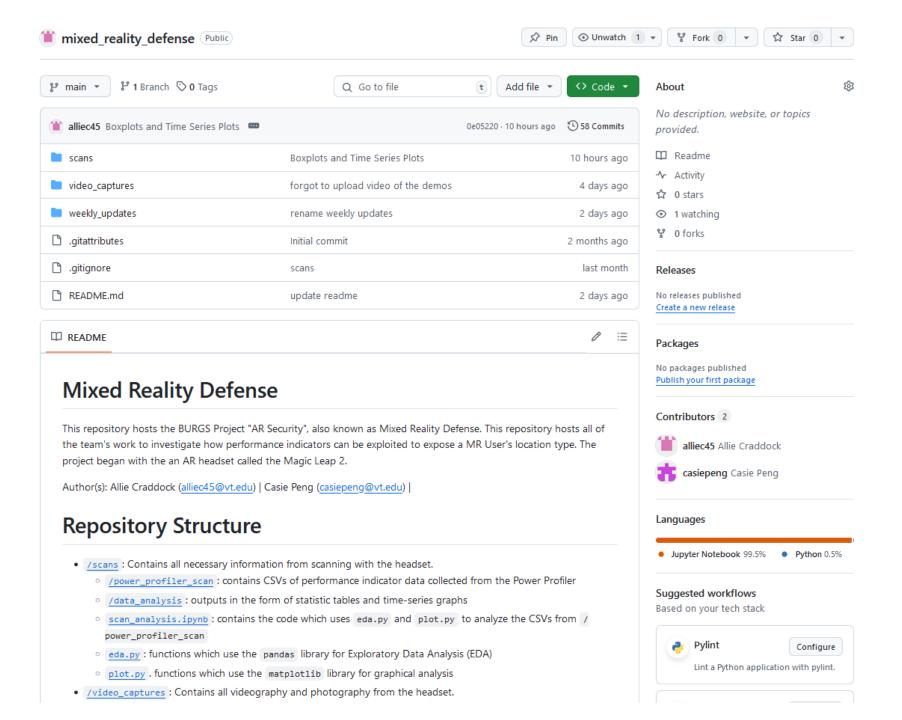
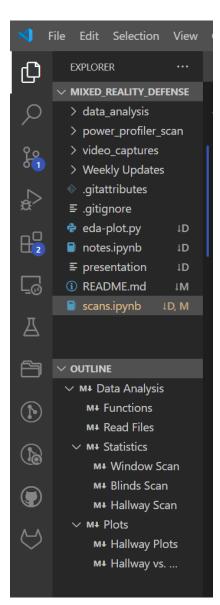
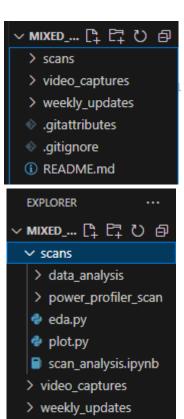
AR Security 11/15

Allie Craddock & Casie Peng







gitattributes

gitignore

README.md

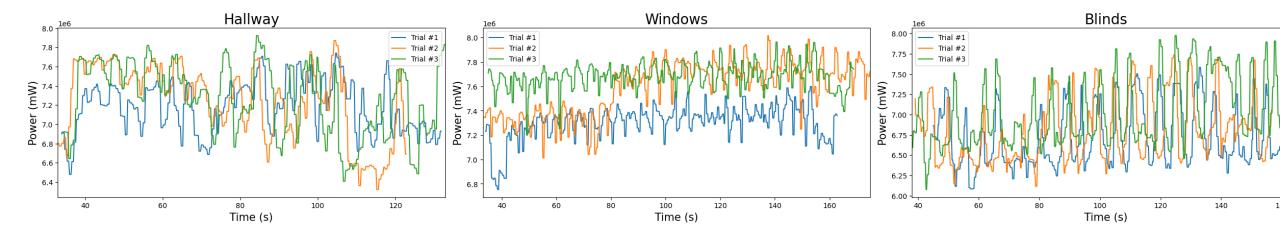
Read Files

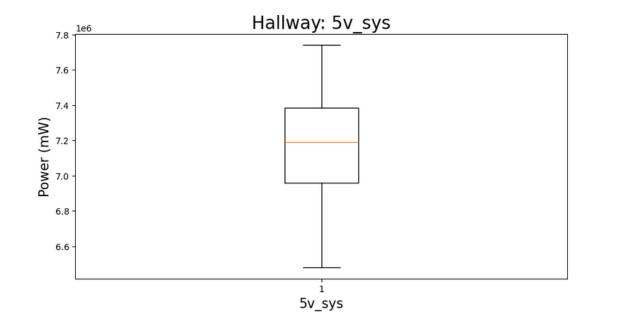
Read in files and assign them to dataframes for later analysis

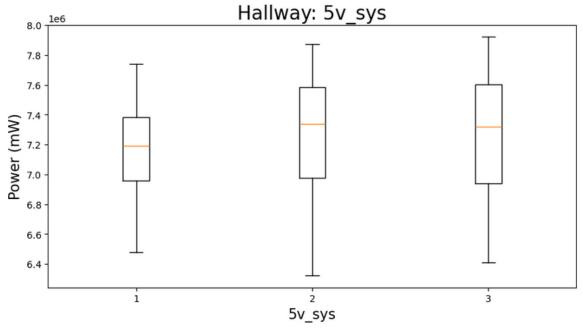
```
# Input file paths for room type: window
windows csv 0 = 'power profiler scan/windows/mr windows 0.csv'
windows 1 = 'power profiler scan/windows/mr windows 1.csv'
windows 2 = 'power profiler scan/windows/mr windows 2.csv'
windows 3 = 'power profiler scan/windows/mr windows 3.csv'
# Read in the csv and create dataframes for before, during, and after the scanning process
# Before
w_1_b = csv_to_df(windows_1, "Windows", 0, 34)
w_2_b = csv_to_df(windows_2, "Windows", 0, 33)
w_3_b = csv_to_df(windows_3, "Windows", 0, 35)
# Durina
w 0 scan = csv to df(windows csv 0, "Windows", 46, 194)
w_1_scan = csv_to_df(windows_1, "Windows", 34, 163)
w 2 scan = csv to df(windows 2, "Windows", 33, 175)
w_3_scan = csv_to_df(windows_3, "Windows", 35, 169)
# After
```

```
plot.py
                                                                                                           eda.py X
ans > 🍨 plot.py > 😭 plot box trials
    import matplotlib.pyplot as plt
                                                                                                                  import pandas as pd
    import numpy as np
   This class focuses on using cleaned datasets for visual analysis. Functions provided can
                                                                                                                  parts of the data which we're interested in. It also calculates information such as
                                                                                                                  indicators of each CSV file. It can print this information to a file.
    of a performance indicator of room types for a single trial of a single room type, all
    and all trials for all room types. Other data analysis measures TBA.
                                                                                                                  Author(s): Allie Craddock, Casie Peng
   Author(s): Allie Craddock, Casie Peng
                                                                                                                 Reads in a given CSV file, then filters rows based on the given time range.
   Plots a time-series model of a singular dataframe for a certain performance indicator.
                                                                                                            18 csv file (str): The path to the CSV file.
   df (Dataframe (pandas)): the specific dataframe to be plotted
                                                                                                            19 room type (str): The room type of the data.
    category (str): the specific performance indicator interested
                                                                                                            20 start_time (int): The start time to filter the data.
```

5v_sys vs. Time for Different Groups



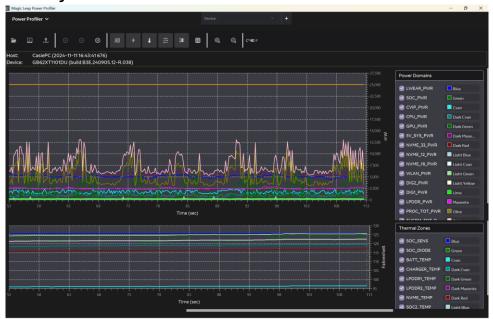




Unity

- Did scans
- Learned some pandas from Allie

Unity Scan



Magic Leap Scan



Current Questions