**Scene-Based Video Segmentation (CSV Processing)**

**Overview**

This project processes a dataset containing game settings and crowd presence information, classifies scenes based on whether they are indoor/outdoor and if people are present, and saves the filtered data as a CSV file.

**Features**

* Reads a dataset with game settings and crowd presence.
* Classifies scenes into "Indoor - Without People" or "Outdoor - Without People".
* Saves the processed data into a CSV file for further analysis.

**Requirements**

Before running the script, ensure you have Python installed along with the necessary libraries.

**Install Required Libraries**

Run the following command to install dependencies:

pip install pandas

**How to Run the Script**

**1. Save the Script**

* Copy the source code and save it as save\_dataframe.py in your preferred directory.

**2. Run the Script**

**Option 1: Using Command Prompt**

1. Open Command Prompt (**Win + R**, type cmd, press Enter).
2. Navigate to the script location:
3. cd C:\Users\YourUsername\Documents
4. Run the script:
5. python save\_dataframe.py

**Option 2: Using Jupyter Notebook**

1. Open Jupyter Notebook.
2. Run the following command in a notebook cell:
3. !python save\_dataframe.py

**3. Verify Output**

* The script will save the processed CSV file at the specified location.
* Navigate to C:\Users\YourUsername\Documents\processed\_data.csv to check the file.

**Troubleshooting**

* **ModuleNotFoundError**: If pandas is missing, install it with pip install pandas.
* **PermissionError**: Run the script as Administrator or save it to a folder where you have write access.
* **File Not Found**: Ensure you’re in the correct directory before running python save\_dataframe.py.