**YouTube Channel Analysis Project Setup Guide**

**Environment Setup Using Anaconda**

1. **Open Anaconda Prompt.**
2. **Create a New Environment:**

**conda create --name YT-env python=3.12**

**conda activate YT-env**

1. **Install Required Libraries:**

pip install google-api-python-client

conda install pandas

conda install seaborn

conda install jupyter

**Linking the Environment with Jupyter Notebook**

1. **Activate the Environment:**

conda activate YT-env

1. **Install ipykernel for Jupyter Integration:**

conda install ipykernel

1. **Register the Environment as a Kernel:**

python -m ipykernel install --user --name=YT-env --display-name "Python (YT-env)"

1. **Launch Jupyter Notebook:**

jupyter notebook

1. **Select the Environment in Jupyter:**
   * Open Jupyter Notebook.
   * Go to **Kernel > Change Kernel**.
   * Select **Python (YT-env)**.

**Changing the Working Directory in Jupyter Notebook**

# To change the working directory to where your notebooks are stored:

cd C:\Users\HP\pandas

jupyter notebook

**Verifying Installed Packages**

* To list all packages installed via **conda**:

conda list

* To list packages installed via **pip**:

pip list

**Troubleshooting Steps**

* If **PackagesNotFoundError** occurs for google-api-python-client, use:

pip install google-api-python-client

* If EnvironmentNotWritableError occurs, run **Anaconda Prompt as Administrator.**

**Best Practices:**

* Use **conda** for data libraries like pandas and seaborn.
* Use **pip** for web libraries like google-api-python-client.