



Downloading the necessary Software/Packages for the **Python-Powered Analytics in Power BI Workshop.**

Workshop Date: 5th April 2025 at 9 30 am AST (Hybrid)

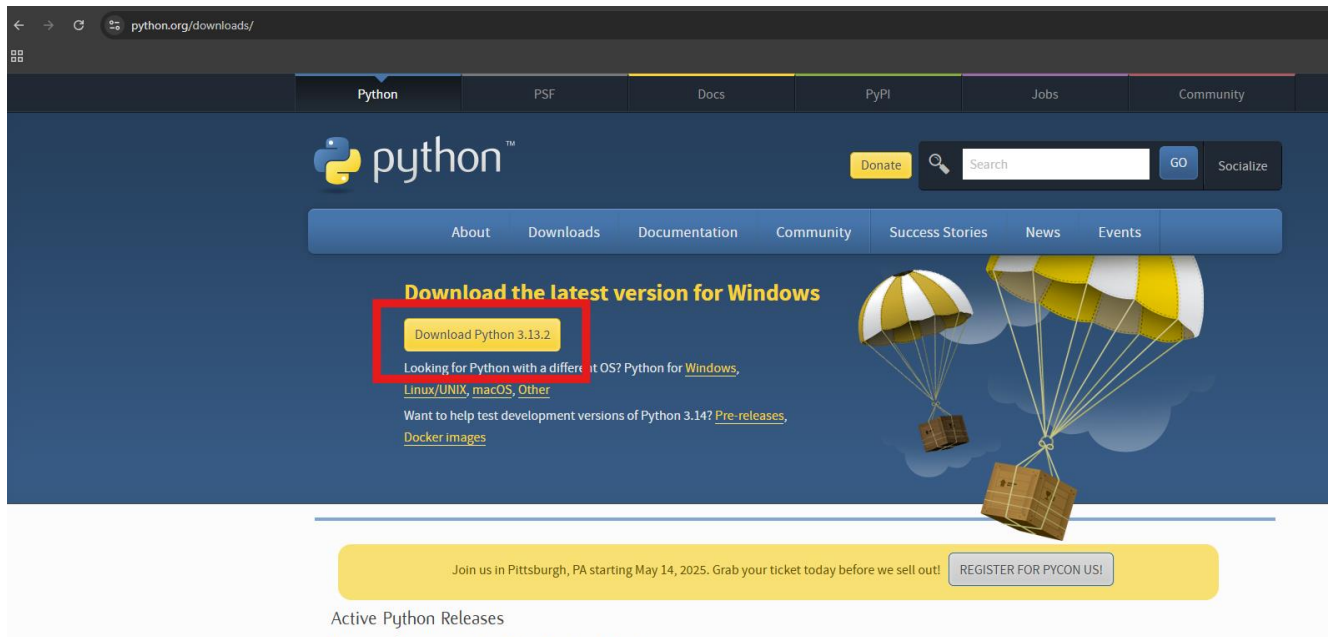
Instructions

- This document contains step-by-step instructions for participants to follow to download required software tools for the upcoming workshop. These include:
 1. **Python Installation Guide**
 2. **Power BI Installation Guide**
 3. **Required Dataset Download**
- Please ensure that your system meets the requirements to download the following software prior to the workshop.

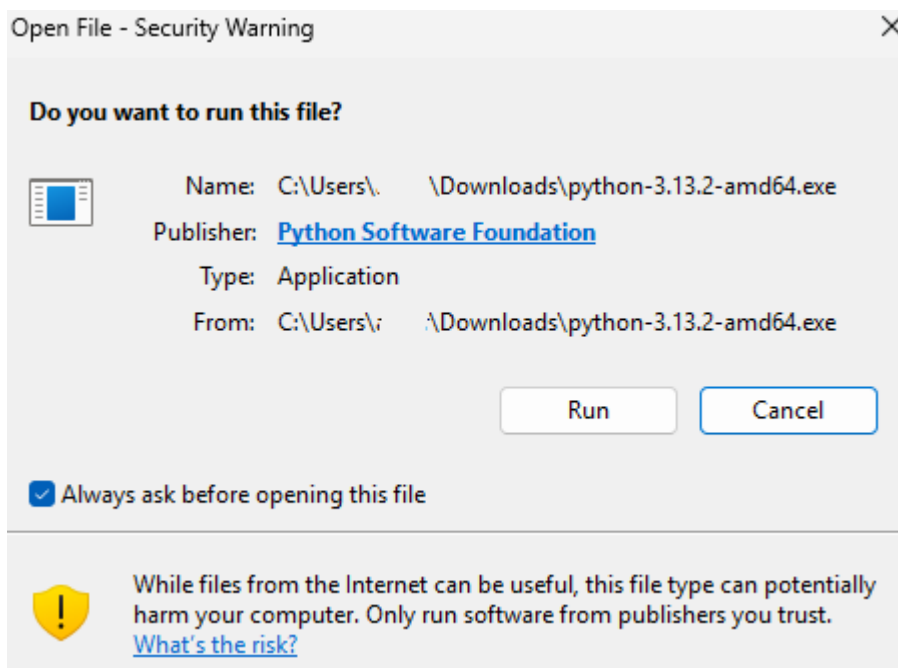
If you encounter any issues, feel free to contact: widsttgroup@gmail.com

1. PYTHON INSTALLATION

- Navigate to <https://www.python.org/downloads/>.
- Click download Python 3.13.2 (latest version)



- Click on the Download and press Run:

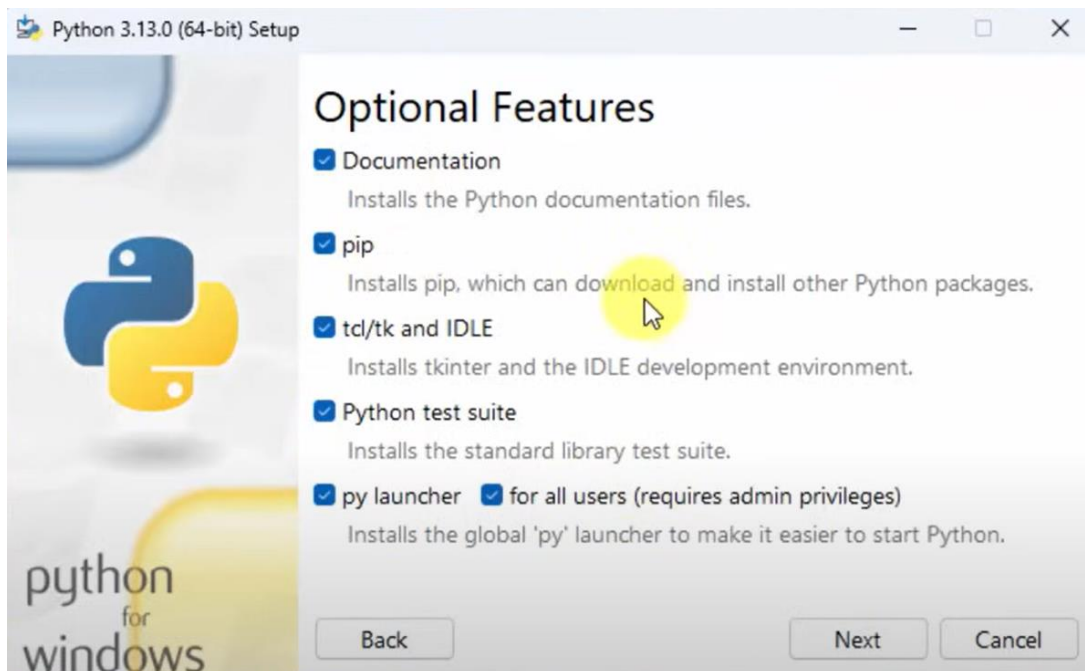


Select Both the boxes:

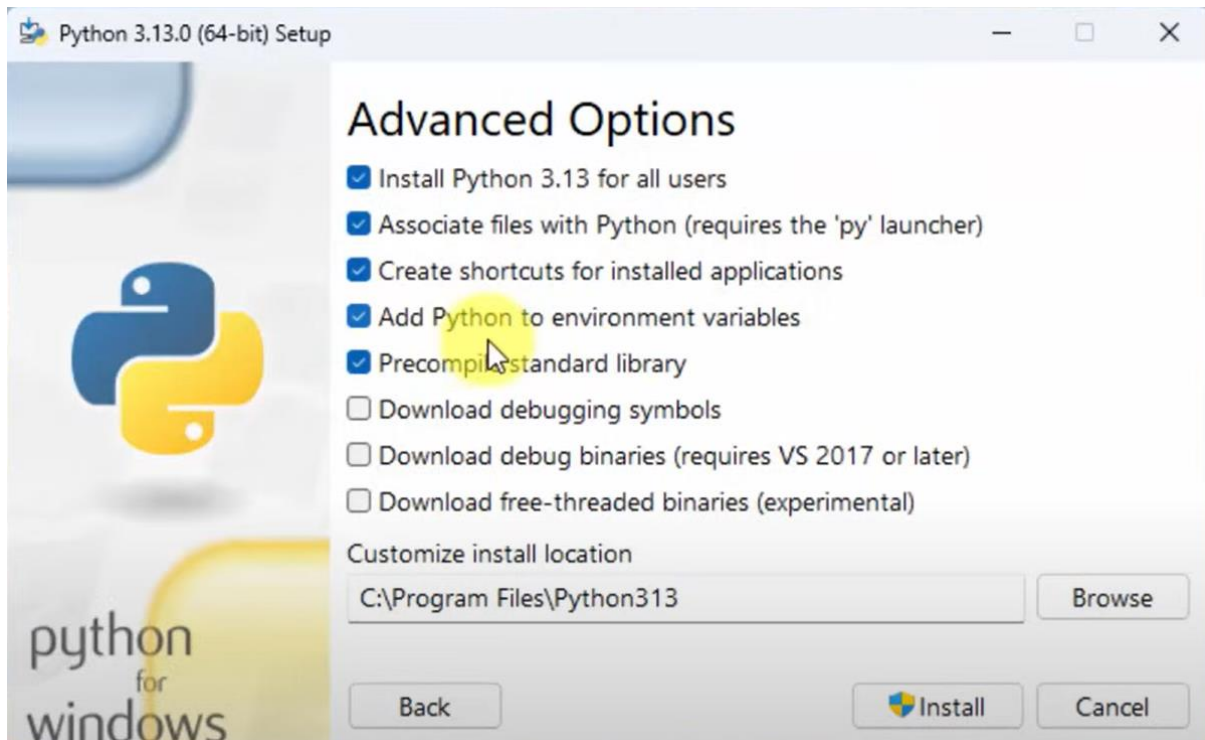
- Use admin privileges
- Add python.exe to PATH



Select all the options below and click Next:

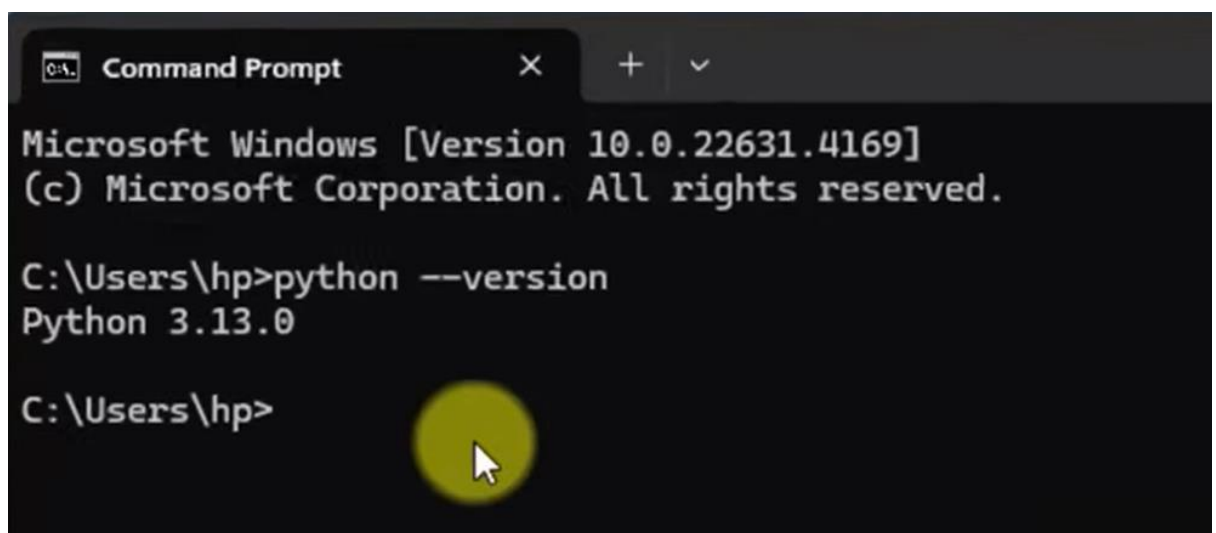


Select these options in the advanced list and click install:



Use command prompt to verify that Python was installed successfully:

- Type in `python --version` and press **enter**



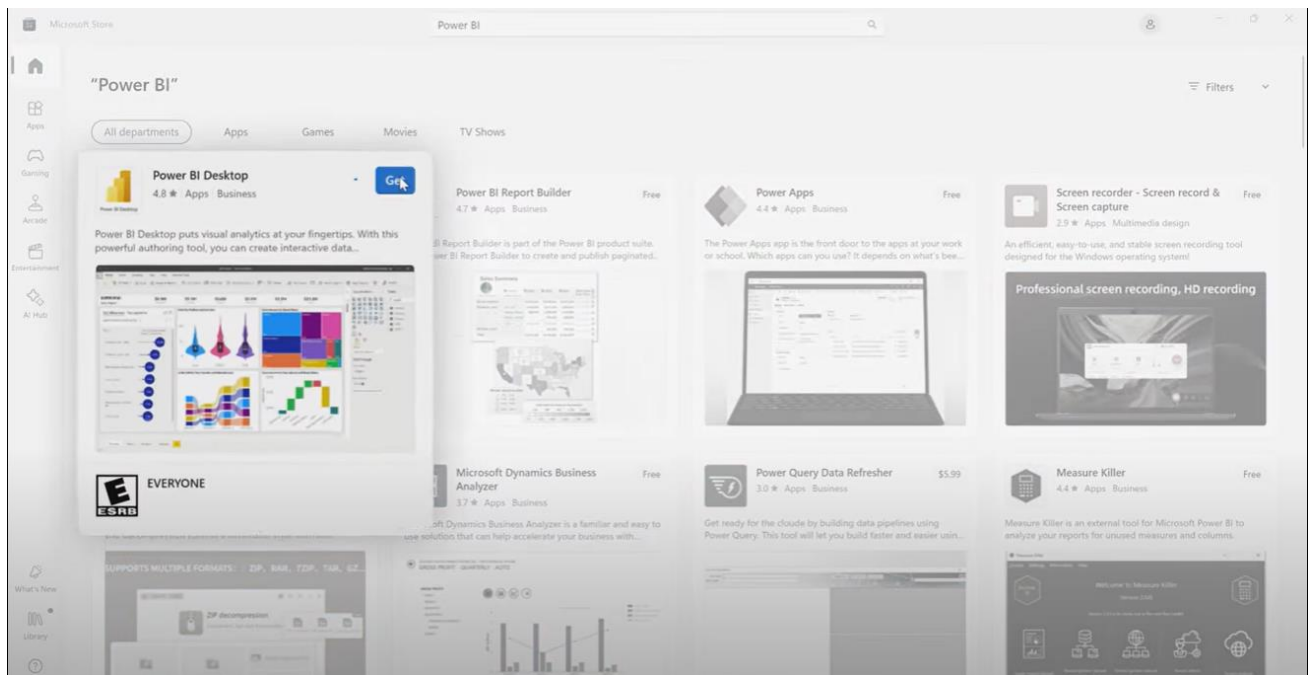
- The version will be returned in the window. This version in the demo is at 3.13. The current version is 3.13.2.
- Kindly follow this tutorial as well: [Python Installation Tutorial](#).

2. POWER BI INSTALLATION

Using Microsoft Store:

Search Power BI in Microsoft Store.

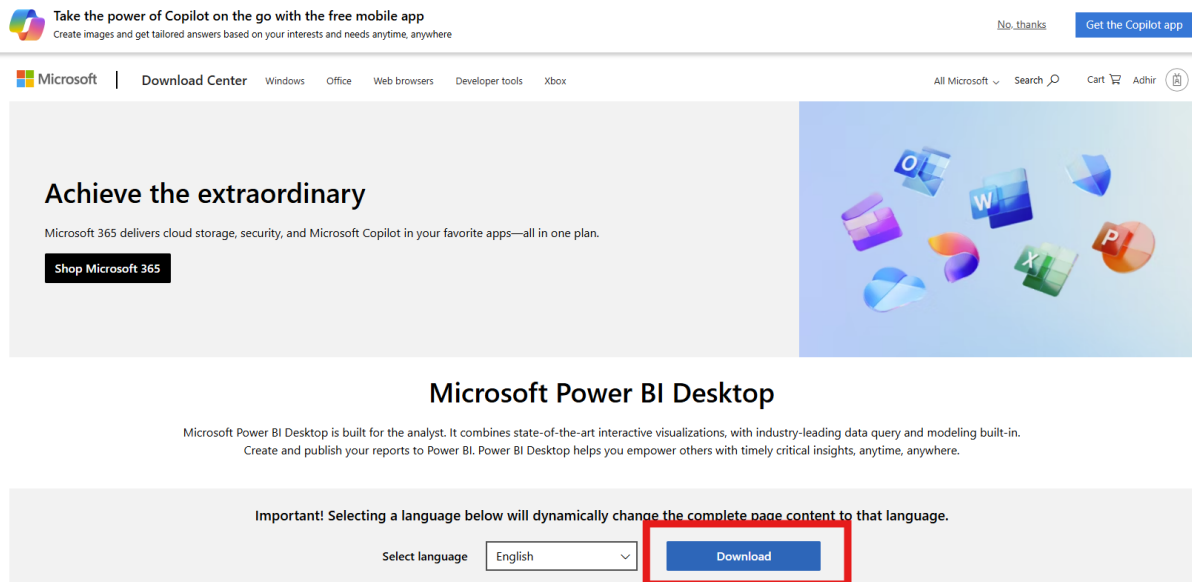
Click Get.



Alternatively:

Downloading from the Browser:

- Use this URL to download via the browser: [Power BI Download](#).
- Click Download.



Take the power of Copilot on the go with the free mobile app
Create images and get tailored answers based on your interests and needs anytime, anywhere

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Microsoft Power BI Desktop

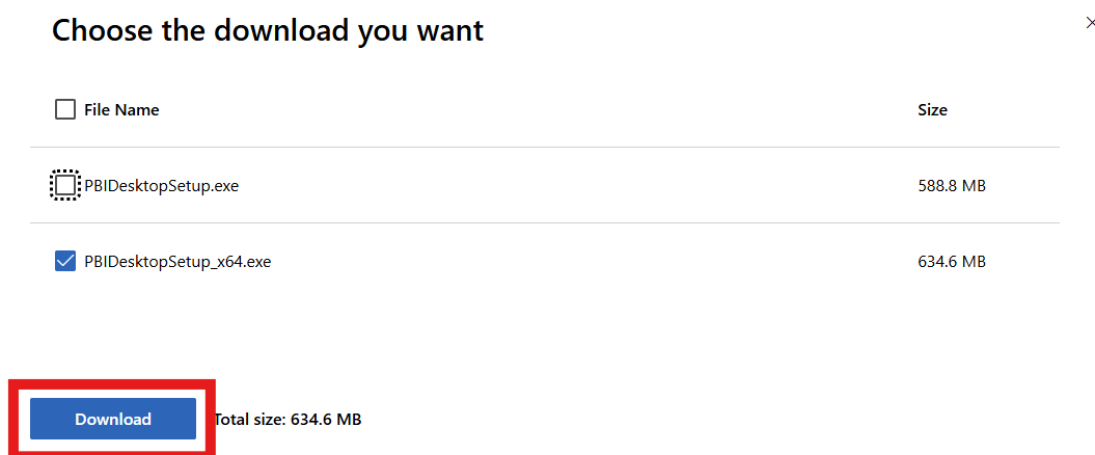
Microsoft Power BI Desktop is built for the analyst. It combines state-of-the-art interactive visualizations, with industry-leading data query and modeling built-in. Create and publish your reports to Power BI. Power BI Desktop helps you empower others with timely critical insights, anytime, anywhere.

Important! Selecting a language below will dynamically change the complete page content to that language.

Select language English

Download

Select either the 32-bit version or 64 depending on your machine and click Download.



Choose the download you want

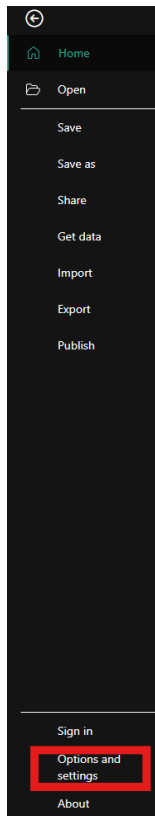
<input type="checkbox"/> File Name	Size
<input type="checkbox"/> PBIDesktopSetup.exe	588.8 MB
<input checked="" type="checkbox"/> PBIDesktopSetup_x64.exe	634.6 MB

Download Total size: 634.6 MB

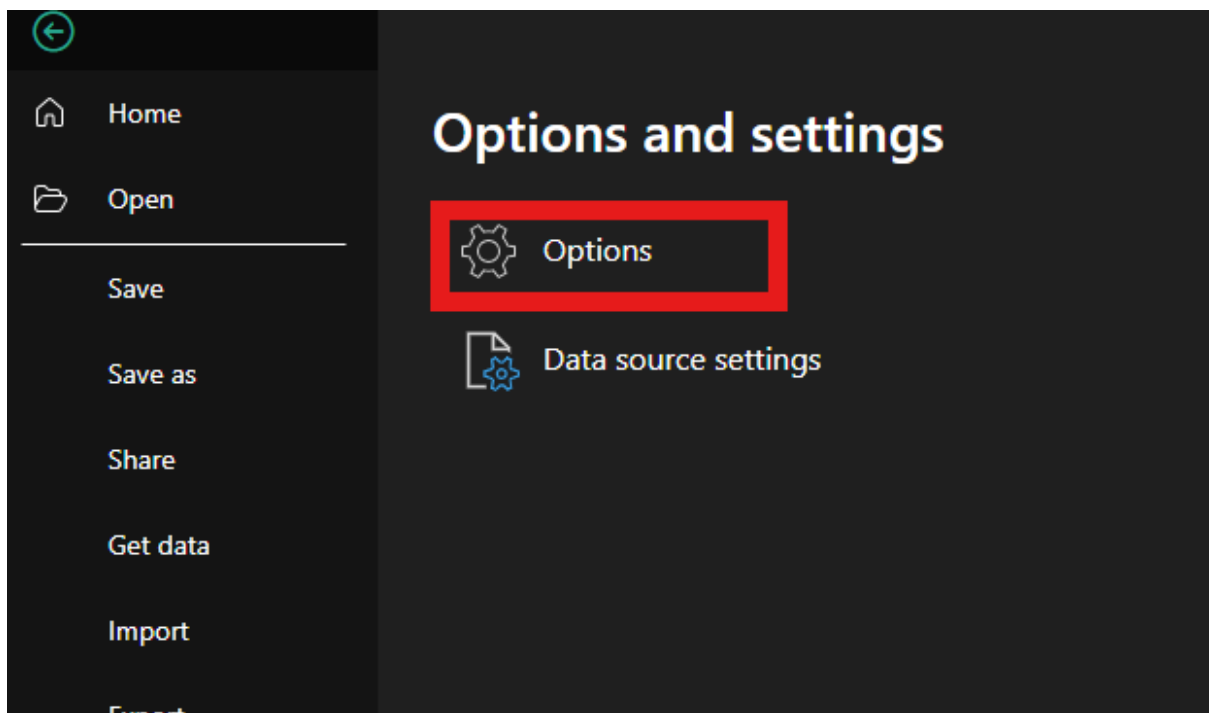
Kindly follow this tutorial as well: [Power BI Installation](#)

Ensuring that Power BI recognizes Python

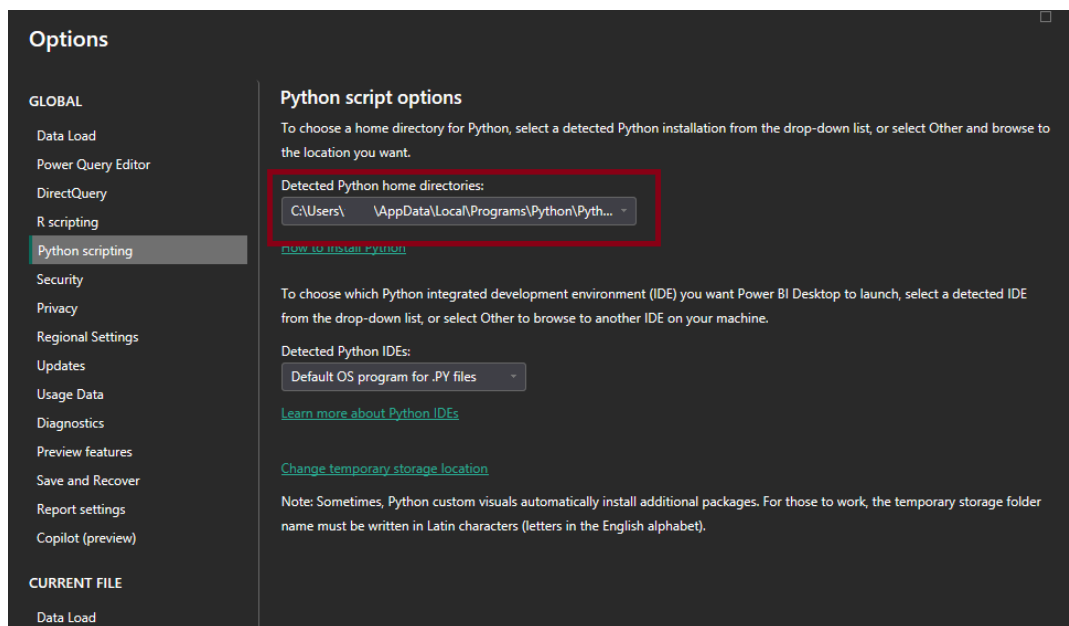
Click File, then Options and Settings:



Click Options:



You will see the path to the Python folder:



Downloading Python Packages

The list of Python packages needed are :

- Pandas
- Matplotlib
- Seaborn
- Wordcloud

Firstly, get the address where Python is installed. You can find it using the screenshot above.

Navigate to the folder using the command below, in command prompt: `cd <Address>`

```
C:\Users> cd C:\Users\... \AppData\Local\Programs\Python\Python312>
```

Run this command:

```
pip install pandas matplotlib seaborn wordcloud
```

```
C:\Users>pip install pandas matplotlib seaborn wordcloud
```


3. DATASET INSTALLATION

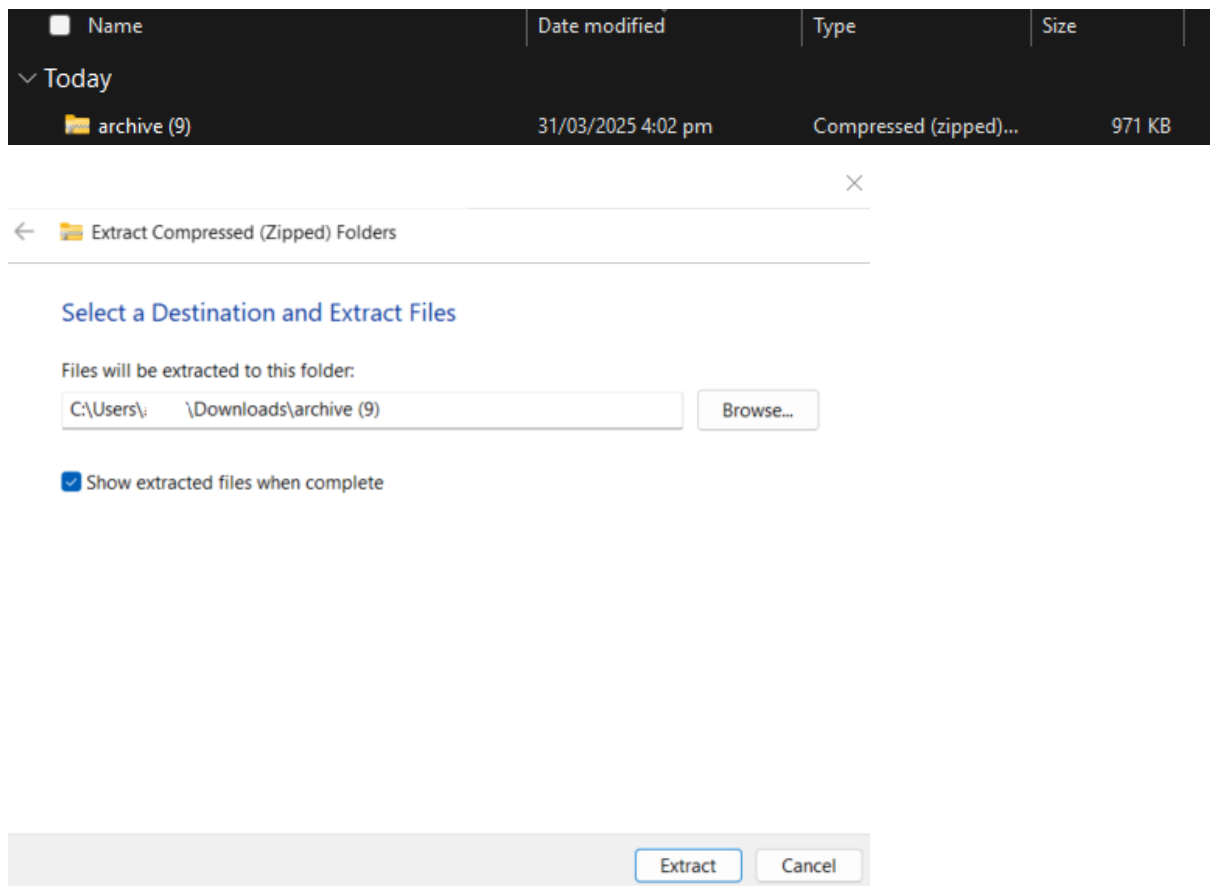
- Use this link to download the Dataset: [Dataset Download](#).
- Click Download.

The screenshot shows the Kaggle interface for the 'Movie Lens Small Latest Dataset'. On the left is a sidebar with navigation options like Home, Competitions, Datasets, Models, Code, Discussions, Learn, and More. The main content area displays the dataset title 'Movie Lens Small Latest Dataset' by Shubham Mehta, updated 6 years ago. It has 73 code snippets, 0 discussions, and 0 suggestions. A 'Download' button is highlighted with a red box. Below the title, there's an 'About Dataset' section with a summary: 'This dataset (ml-latest-small) describes 5-star rating and free-text tagging activity from MovieLens, a movie recommendation service. It contains 100836 ratings and 3683 tag applications across 9742 movies. These data were created by 610 users between March 29, 1996 and September 24, 2018. This dataset was generated on September 26, 2018. Users were selected at random for inclusion. All selected users had rated at least 20 movies. No demographic information is included. Each user is represented by an id, and no other information is provided. The data are contained in the files links.csv, movies.csv, ratings.csv and tags.csv. More details about the contents and use of all these files follows. This is a development dataset. As such, it may change over time and is not an appropriate dataset for shared research results. See available'.

Click Download Dataset as zip:

This screenshot shows the download options for the dataset. At the top, 'DOWNLOAD VIA' is set to 'kagglehub'. Below this, a message says 'New to Kaggle API? Here's how to set up your API keys.' A code block shows the Python code to download the dataset using kagglehub. At the bottom, the option 'Download dataset as zip (994 kB)' is highlighted with a red box. Below it is the option 'Export metadata as Croissant'.

Right Click on the file and unzip:



The extracted folder will look like this:

