



**DASCLAB** Data Analytics & Scientific  
Computing Laboratory

# Jupyter Notebook to PDF

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# The notebook-as-pdf extension

Easily transform your Jupyter Notebook to PDF file

There is an easy way to turn our Jupyter Notebooks into PDF files. Just with a simple setup, you can access your notebook as a PDF.

The first thing we need to do is to install the necessary package. Here we would use the package called **notebook-as-pdf** to help us convert Jupyter Notebook as PDF file.

# Install notebook-as-pdf

Open your command prompt (CMD)

Pip install notebook-as-pdf

```
>pip install notebook-as-pdf
```

# Successful Installation

- If notebook-as-pdf was installed successfully on your system you will see the following output:

```
...
Installing collected packages: websockets, tqdm, pyee, importlib-metadata, app
dirs, pyppeteer, PyPDF2, notebook-as-pdf
  Running setup.py install for PyPDF2 ... done
Successfully installed PyPDF2-1.26.0 appdirs-1.4.4 importlib-metadata-4.11.3 n
otebook-as-pdf-0.5.0 pyee-8.2.2 pyppeteer-1.0.2 tqdm-4.63.1 websockets-10.2
```

If notebook-as-pdf was successfully installed, you can proceed to the second step

## Install pyppeteer

This command will download and setup Chromium. It is used to perform the HTML to PDF conversion.

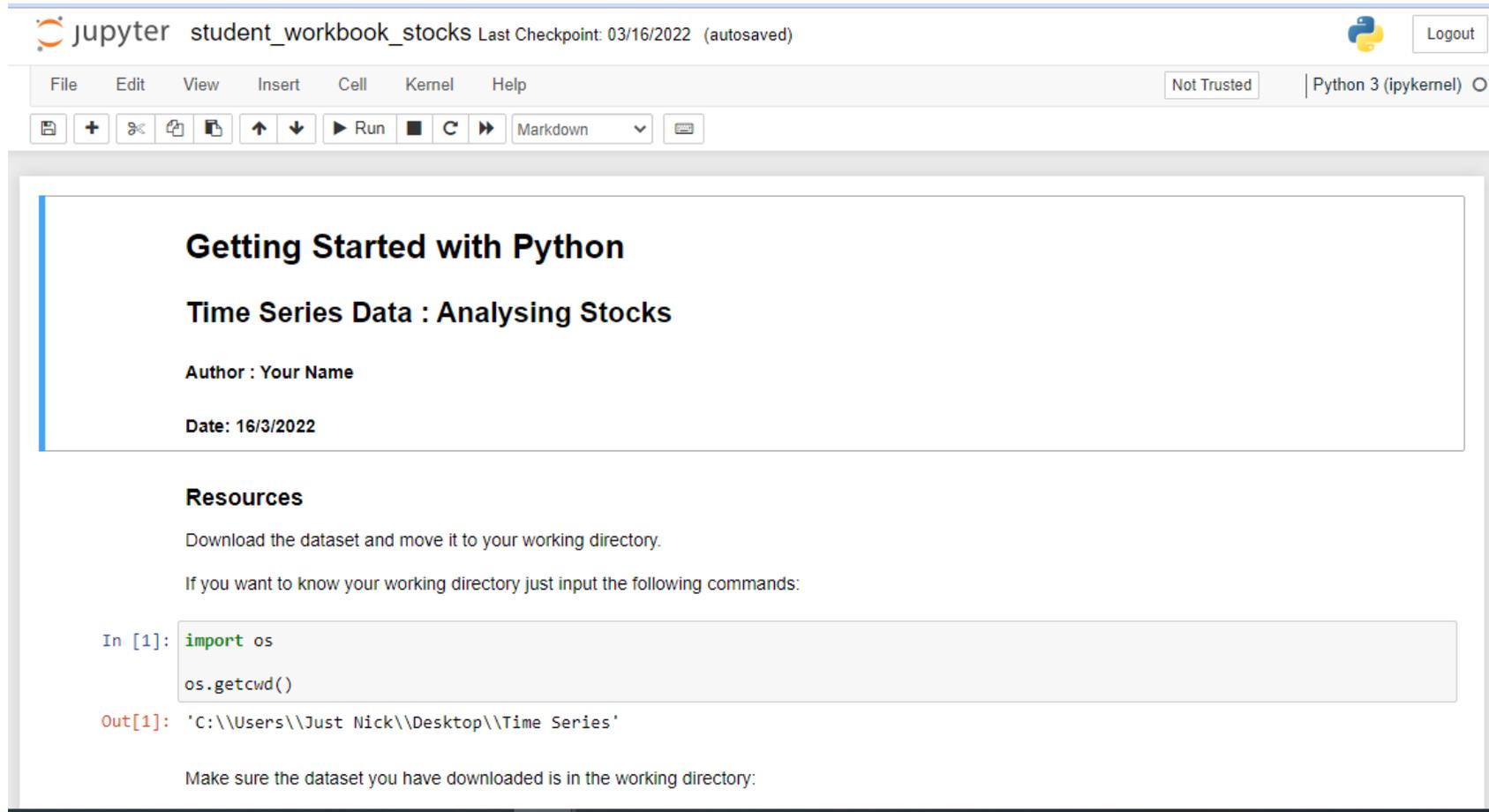
```
>pyppeteer-install
```

```
>pyppeteer-install
```

For example, I would use the notebook I provide in my article here to convert to the PDF form. Below is my Jupyter Notebook.

# Convert student\_workbook to pdf

Launch jupyter notebook and open the notebook you would like to convert to PDF.



The screenshot shows a Jupyter Notebook interface. The top bar displays the Jupyter logo, the notebook name 'student\_workbook\_stocks', and the last checkpoint information 'Last Checkpoint: 03/16/2022 (autosaved)'. There is a 'Logout' button and a Python logo. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Cell', 'Kernel', and 'Help'. The status bar shows 'Not Trusted' and 'Python 3 (ipykernel)'. The toolbar contains icons for file operations, a 'Run' button, and a 'Markdown' dropdown. The notebook content is displayed in a light gray box with a blue border on the left. It features a title 'Getting Started with Python', a subtitle 'Time Series Data : Analysing Stocks', and author information 'Author : Your Name' and 'Date: 16/3/2022'. Below this is a 'Resources' section with text instructions and a code cell. The code cell shows the command 'import os' and 'os.getcwd()'. The output of the code cell is 'Out[1]: 'C:\\Users\\Just Nick\\Desktop\\Time Series''. Below the code cell, there is more text: 'Make sure the dataset you have downloaded is in the working directory:'.

jupyter student\_workbook\_stocks Last Checkpoint: 03/16/2022 (autosaved) Python 3 (ipykernel) Logout

File Edit View Insert Cell Kernel Help Not Trusted Python 3 (ipykernel)

Run

## Getting Started with Python

### Time Series Data : Analysing Stocks

Author : Your Name

Date: 16/3/2022

#### Resources

Download the dataset and move it to your working directory.

If you want to know your working directory just input the following commands:

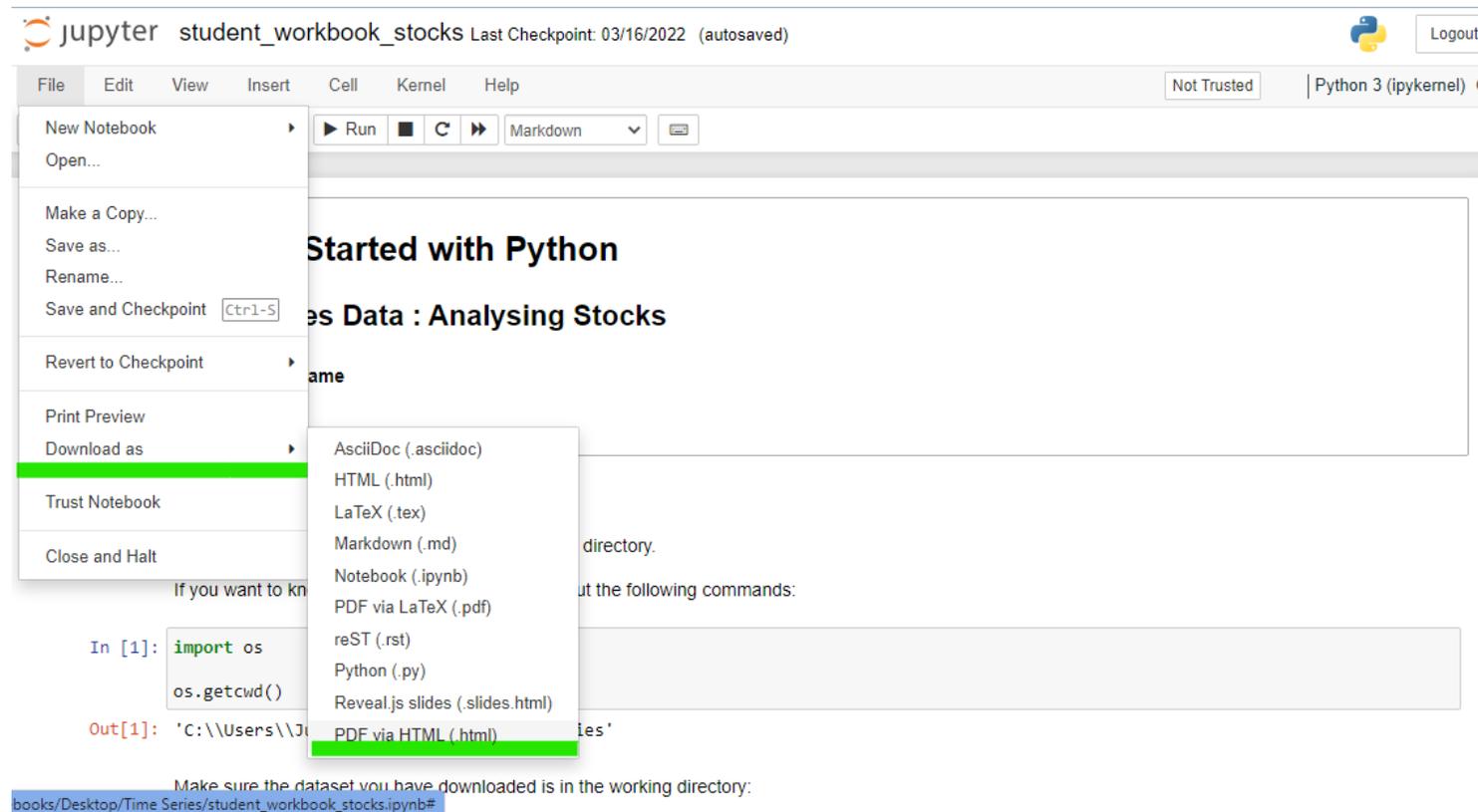
```
In [1]: import os
os.getcwd()
```

Out[1]: 'C:\\Users\\Just Nick\\Desktop\\Time Series'

Make sure the dataset you have downloaded is in the working directory:

# Download As PDF via HTML

- In your notebook, click the file menu bar then select Download as then select the PDF via HTML to transform the notebook.



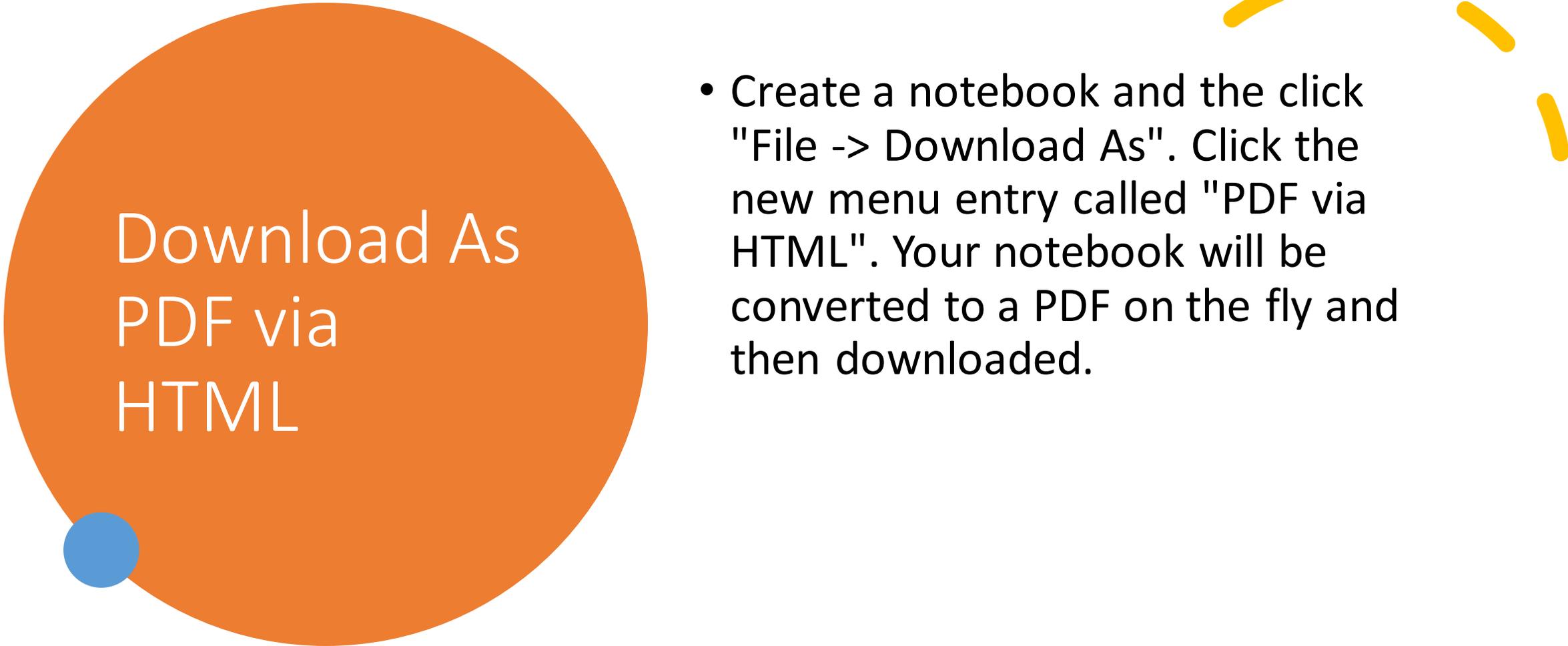
The screenshot shows a Jupyter Notebook interface. The top bar displays the Jupyter logo, the notebook name 'student\_workbook\_stocks', and the last checkpoint information 'Last Checkpoint: 03/16/2022 (autosaved)'. A 'Logout' button is visible in the top right. The main menu bar includes 'File', 'Edit', 'View', 'Insert', 'Cell', 'Kernel', and 'Help'. The 'File' menu is open, showing options like 'New Notebook', 'Open...', 'Make a Copy...', 'Save as...', 'Rename...', 'Save and Checkpoint', 'Revert to Checkpoint', 'Print Preview', 'Download as', 'Trust Notebook', and 'Close and Halt'. The 'Download as' option is highlighted in green, and a sub-menu is open showing various file formats: 'AsciiDoc (.asciidoc)', 'HTML (.html)', 'LaTeX (.tex)', 'Markdown (.md)', 'Notebook (.ipynb)', 'PDF via LaTeX (.pdf)', 'reST (.rst)', 'Python (.py)', 'Reveal.js slides (.slides.html)', and 'PDF via HTML (.html)'. The 'PDF via HTML (.html)' option is highlighted in green. The notebook content shows a title 'Started with Python' and a subtitle 'es Data : Analysing Stocks'. Below the title, there is a code cell with the following code: 

```
In [1]: import os
os.getcwd()
```

 The output of the code is: 

```
Out[1]: 'C:\\Users\\j...'
```

 At the bottom of the notebook, there is a text prompt: 'Make sure the dataset you have downloaded is in the working directory: books/Desktop/Time Series/student\_workbook\_stocks.ipynb#'

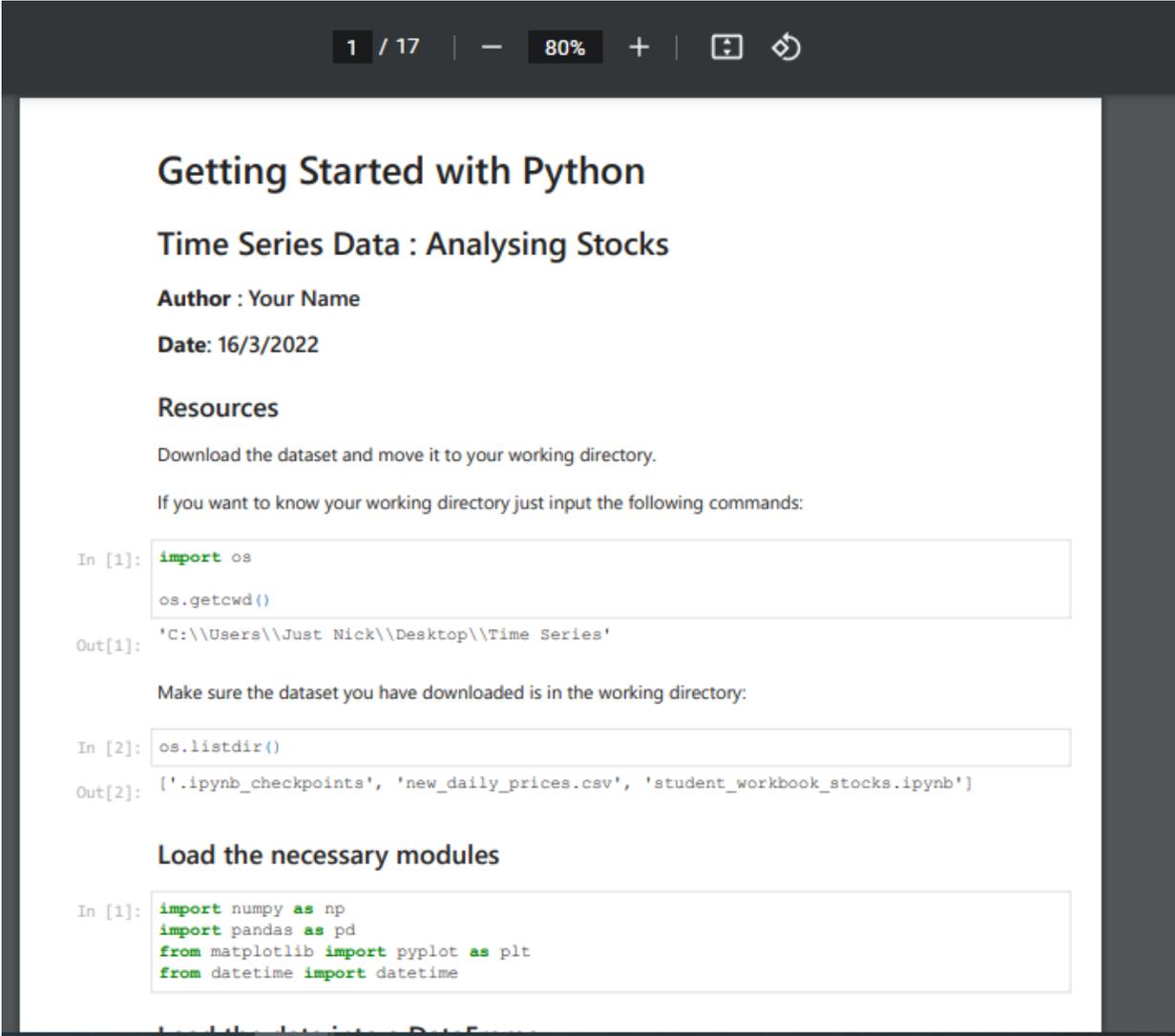


# Download As PDF via HTML

- Create a notebook and then click "File -> Download As". Click the new menu entry called "PDF via HTML". Your notebook will be converted to a PDF on the fly and then downloaded.

# Output Document

- The created PDF will have as few pages as possible
- You will have to use Acrobat Reader to see the attachment to your PDF.
- Open the document using your favorite document reader.



The screenshot shows a Jupyter Notebook interface with a dark header bar containing navigation icons and a page indicator '1 / 17' at 80% zoom. The notebook content includes a title, author information, a date, a resources section with instructions on downloading a dataset and using terminal commands, and code blocks for listing the directory and importing necessary modules.

## Getting Started with Python

### Time Series Data : Analysing Stocks

**Author :** Your Name  
**Date:** 16/3/2022

#### Resources

Download the dataset and move it to your working directory.

If you want to know your working directory just input the following commands:

```
In [1]: import os
        os.getcwd()
```

```
Out[1]: 'C:\\Users\\Just Nick\\Desktop\\Time Series'
```

Make sure the dataset you have downloaded is in the working directory:

```
In [2]: os.listdir()
```

```
Out[2]: ['.ipynb_checkpoints', 'new_daily_prices.csv', 'student_workbook_stocks.ipynb']
```

#### Load the necessary modules

```
In [1]: import numpy as np
        import pandas as pd
        from matplotlib import pyplot as plt
        from datetime import datetime
```

[Dasclab.uonbi.ac.ke/analytics/projects/](https://dasclab.uonbi.ac.ke/analytics/projects/)

Kindly Submit your projects on Time

Happy Coding!