



Presents

Python Bootcamp

<https://topmate.io/datanddoodle>

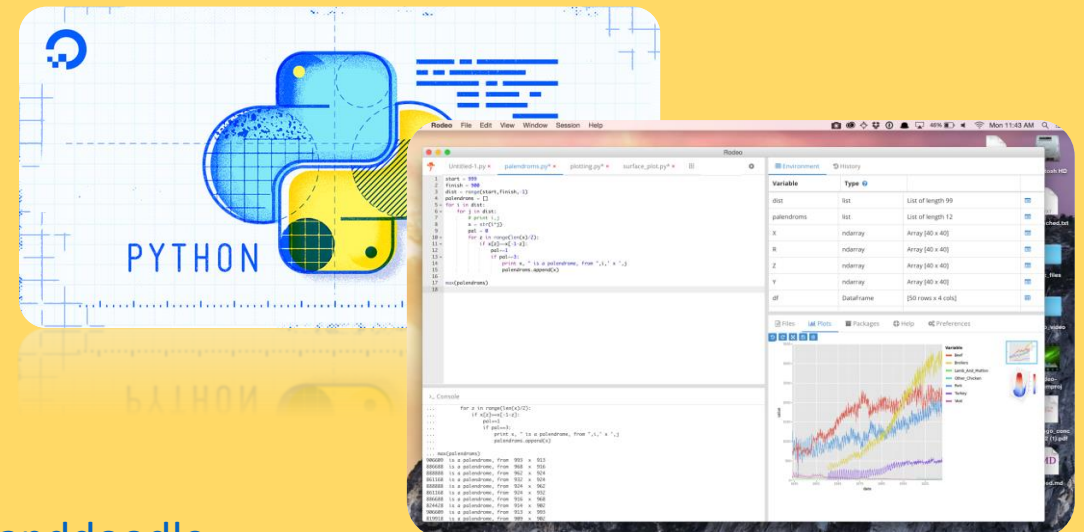


What is the Plan ahead ??

The idea is to lay the foundation for Python and enable you to acquire the skills needed to change your ways for analyzing data.

How would it benefit you ?

At the end of this session, you will have a working knowledge of Python & it's different modules for Data Analysis & Visualization.



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Concepts & Modules : For Beginners





What is Python ?

"Python: The data scientist's Swiss army knife, empowering analysis with simplicity and flexibility."

Python is a high-level, versatile programming language known for its readability and simplicity. It's widely used across various fields due to its rich library support, making it a go-to choice for tasks ranging from web development and data analysis to artificial intelligence and scientific computing. Its ease of learning and extensive community support have contributed to its popularity among beginners and seasoned developers alike.

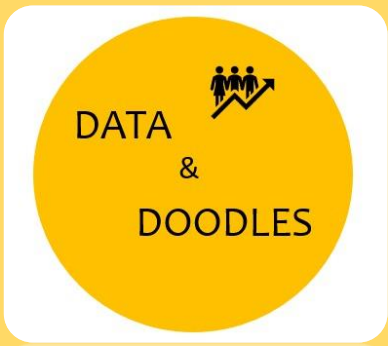
Where do I find it ?

You can download it from

<https://www.python.org/downloads/>



<https://topmate.io/datanddoodle>



How do I download & Install Python ?

Step 1: Visit the Python Website

- Open your web browser and go to python.org.

Step 2: Go to the Downloads Section

- Click on the "Downloads" tab on the top navigation bar.

Step 3: Choose Python Version

- You'll see the latest versions available for download. Choose Python 3 & above. Select the version you want; usually, it's recommended to choose the latest Python 3.6 & above version.





Step 4: Select the Installer

- Scroll down to find the installer appropriate for your operating system. There are versions for Windows, macOS, and various distributions of Linux.

Step 5: Download the Installer

- Click on the download link for the installer that matches your system. The website usually detects your operating system, but make sure to choose the correct one.

Step 7: Verify Installation

Open a terminal (command prompt for Windows) and type `python --version` (or `python3 --version` depending on the installation) to check if Python installed correctly. You should see the installed Python version printed.

Step 6: Run the Installer

- **For Windows:** Once the installer is downloaded, double-click on the downloaded file. Check the box that says "Add Python to PATH" before clicking "Install Now." Follow the installation wizard instructions, and Python will be installed on your system.
- **For macOS:** Open the downloaded package (ending in .pkg). Follow the installation steps, and Python will be installed.
- **For Linux:** You might need to use your package manager or command-line tools to install Python. Follow the instructions provided on the Python website for your specific Linux distribution.

As a beginner where do I run it ?

As a beginner, it is advised to start practicing your code on Jupyter Notebooks. It makes your life a lot easier as a beginner.

What are Jupyter Notebooks ?

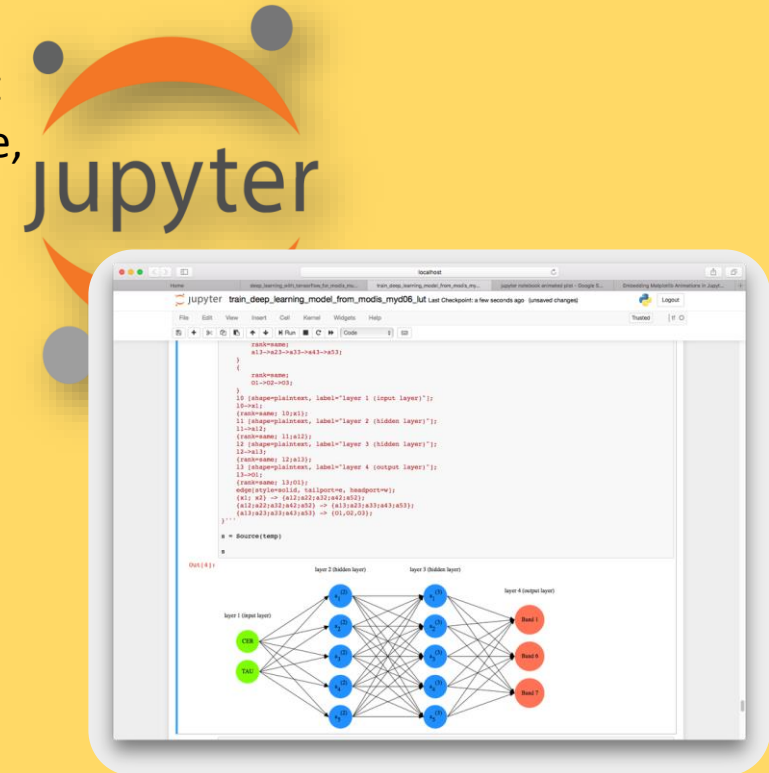
Jupyter Notebooks are interactive computing environments that allow you to create and share documents that combine live code, visualizations, explanatory text, and more. They provide a web-based interface to write code in a sequential manner within individual cells.

Where do I find it ?

You can download Jupyter Notebooks from here:

<https://jupyter.org/install>

<https://topmate.io/datanddoodle>





How do I install Jupyter Notebook?

Step 1: Install Python (if not already installed)

If Python isn't installed on your system, you need to install it first. You can follow the steps mentioned earlier for downloading and installing Python.

Step 2: Open Command Prompt or Terminal

- Open your command prompt (Windows) or terminal (macOS/Linux).

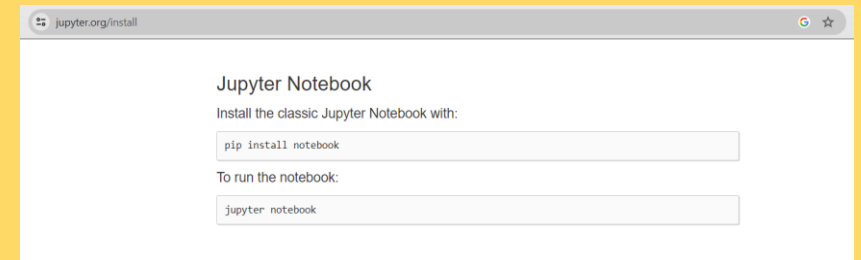
Step 3: Install Jupyter using pip

- Type the following command and press Enter:

```
Copy code

pip install jupyter
```


This command will use Python's package manager (pip) to download and install the Jupyter Notebook.





Step 4: Verify the Installation

- After the installation is complete, you can verify it by typing:

 Copy code

```
jupyter notebook
```

Step 5: Create a New Notebook

- In the Jupyter interface, click on the "New" button and select "Python" (or any other supported language) to create a new notebook.

Step 6: Start Coding!

You can now start coding in the notebook by creating new cells (use the "+" button or press Shift + Enter to create a new cell) and writing Python code.

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Reach us to learn more:



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