

■ Python Installation Guide (Beginner Friendly)

This guide explains how to install Python on your system step by step.

Step 1: Download Python

1. Open your browser
2. Go to the official Python website:
<https://www.python.org/downloads/>
3. Click **Download Python 3.x** (latest version)

Step 2: Install Python (Windows)

1. Open the downloaded .exe file
2. Check the option **Add Python to PATH**
3. Click **Install Now**
4. Wait until installation is completed

Step 3: Install Python (MacOS)

1. Open the downloaded .pkg file
2. Follow the installer steps
3. Python will be installed automatically

Step 4: Install Python (Linux)

Run the following commands in terminal:

```
sudo apt update  
sudo apt install python3 python3-pip
```

Step 5: Verify Python Installation

Open Command Prompt / Terminal and run:

```
python --version  
or  
python3 --version
```

If installed correctly, you will see output like:

Python 3.10.12

Step 6: Verify PIP Installation

```
pip --version  
or  
pip3 --version
```

Step 7: Install Required Libraries (For This Project)

pip install scikit-learn

Step 8: Run the Project

Open terminal in project folder and run:

python main.py