**Data collection:**

**Step 1: Access the Website**

- **Go to the IMD Pune website** for downloading rainfall data: [IMD Pune Rainfall Data](#).
- You will see a page with a list of available rainfall data in **NetCDF (.nc) format**.

**Step 2: Select and Download Data**

- **Choose the year** for which you want the data. For example, you downloaded data for **2018**.
- **Click on the link** corresponding to the year. This will download the .nc file (NetCDF file) to your local system.

Example: You downloaded the file named RF25_ind2018_rfp25.nc.

**Step 3: Store the Downloaded File**

- **Locate the downloaded file** on your computer. In this case, the file path was: C:\Users\Windows_10\Downloads\RF25_ind2018_rfp25.nc.
- Keep this file path in mind for later use, or move it to a convenient folder.

**Step 4: Work with the Data in Python**

To convert and work with this data, we need Python and specific libraries. Follow these steps:

1. **Install Python Libraries**:
   - Make sure you have the following libraries installed:
     - xarray for working with .nc files.
     - pandas for data manipulation.

2. **Load and Convert the NetCDF Data**: Now, use Python to read the .nc file and convert the data into an Excel-friendly format (e.g., CSV).

3. **Python Code for Conversion**: Here's the Python code to extract rainfall data from the .nc file and save it as a CSV:

Reffer this python code for : [https://colab.research.google.com/drive/1V2KinZzhQXms-Z8HHkY-JUiml_chz9NE?usp=drive_link](https://colab.research.google.com/drive/1V2KinZzhQXms-Z8HHkY-JUiml_chz9NE?usp=drive_link)

OR(Alternative and Easy way)

Reffer this youtube video: [https://youtu.be/fG1jF5f05j8?si=DeNeT5QM4y9Zw5MZ](https://youtu.be/fG1jF5f05j8?si=DeNeT5QM4y9Zw5MZ)