

Configuration Manual

Skin Cancer Classification Configuration Manual

Before setup, kindly download the dataset through the [link](#) cited below. Please download the complete bundle of all images, metadata and supplement file related to the dataset. It will all be in a single zip folder with size of 1.7gb.

<https://api.isic-archive.com/doi/derm12345/>

1. Python Version

- Required python 3.10.13
- Install it using this [link](#)

2. Virtual Environment Setup

Follow the below commands step by step

- `python3.10 -m venv .venv`
- `source.venv/bin/activate` # for macOS/Linux
- `.venv\Scripts\activate` # for Windows
- `pip install -r requirements.txt`

3. Data Requirements

Folder 'derm12345' should be downloaded from the link above and be saved inside 'ICT_Code_Artifact' folder.

4. Notebook Execution

- Click on 'Select the Kernel'
- Select the virtual environment created by you.
- Select 'Run all' to run all the cells from start to finish.

Note

- Without a good GPU, training will take Several hours! For me it took 4 hours!
- If you want to inspect results, skip the training and review the already saved outputs.
- Re-running the whole file will overwrite the existing results.