

Clustering Human Activity using Inertial Sensors Data

Note:

- Use the next cell to download the data directly, if that didn't work. you can download it manually (available at [UCI archive](#)) a copy will also be available on Piazza.
- Don't change the part of the code that labels #Do not change
- Attach this notebook to your answer sheet with all outputs visible.
- make sure you have pytorch, scikit learn, pandas in your environment

[+ Code](#)[+ Markdown](#)

[4]:

Download the dataset

```
import urllib.request
import zipfile
import os
```

```
dataset_url = "https://archive.ics.uci.edu/static/public/2"
zip_file_path = "Dataset.zip"
extracted_downloaded_folder = "Dataset"
extracted_data_folder = "UCI HAR Dataset"
```

```
if not os.path.exists(zip_file_path):
    print("Downloading the dataset...")
    urllib.request.urlretrieve(dataset_url, zip_file_path)
```

```
if not os.path.exists(extracted_downloaded_folder):
    print("Extracting the dataset...")
    with zipfile.ZipFile(zip_file_path, 'r') as zip_ref:
```