

Mobile Sensing – Lab 3 Python framework for data processing

For installing the Jupyter Notebook and a quick-start guide on running the code, please read the instructions in Lab 2 on [Ucilnica](#).

Task description

We will develop a machine learning pipeline for activity recognition from smartphone sensor data (acceleration, gravity, etc.). In this lab we will tackle the second part of the pipeline, which contains:

1. **Feature extraction and visualization** - calculate features for each segment, which will be used as input to machine learning models;

and

2. **Building and evaluation of machine learning models.**

We will use a processed dataset available for download [here](#) (you should have it in your working directory, i.e. where the ipynb file is). The starting code is available on [Ucilnica](#). Download the zip file, unzip it in your working directory, open the Jupyter Notebook (Lab3.ipynb) and follow the guidelines there.

If you were not present in the lab for solving this assignment you should commit your solution to a private Bitbucket repository named FRIMS2021-LAB-3 and a user pbdfrita (pbdfrita@gmail.com) should be added as a read-only member. The solutions will be pulled from your repository on Sunday, March 13, 23:59.

Happy coding!