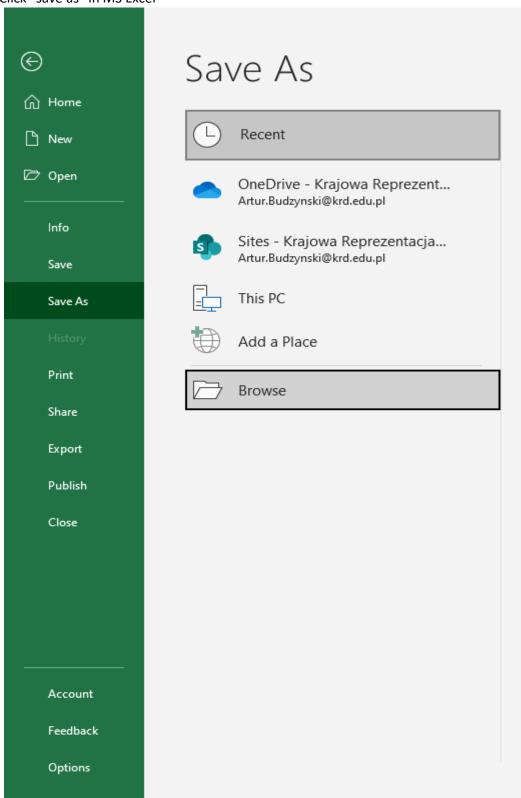
Step By Step: How to Make Your Own Machine Learning Model to Predict Fuel Consumption

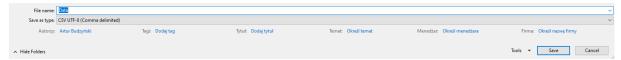
1. Prepare csv file

Raport downloaded from Lontex GPS system is in "xls" format. It's possible to open it in Microsoft Excel. To make it in "csv" format you have to:

1.1. Click "save as" in MS Excel

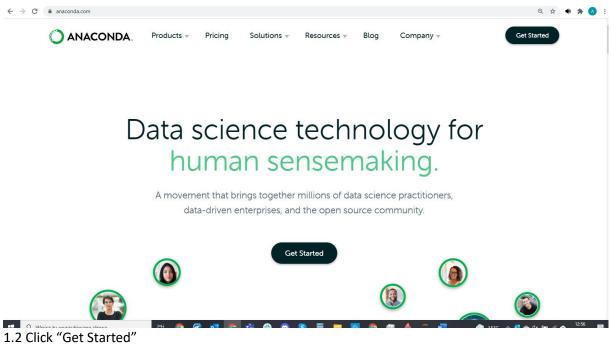


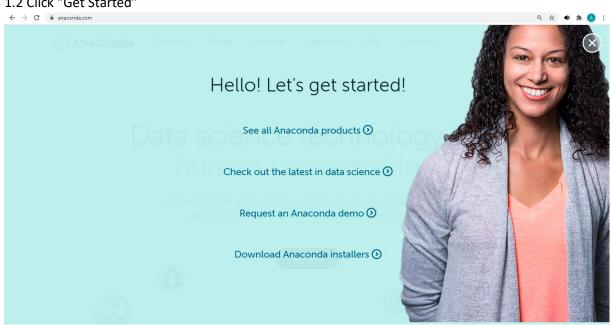
- 1.2. Choose localization
- 1.3. Choose "Save as type": "CSV UTF-8 (comma delimited)"



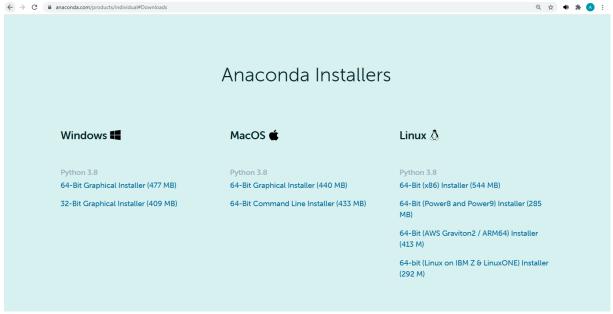
2. Anaconda

2.1. First you have to go on https://www.anaconda.com/



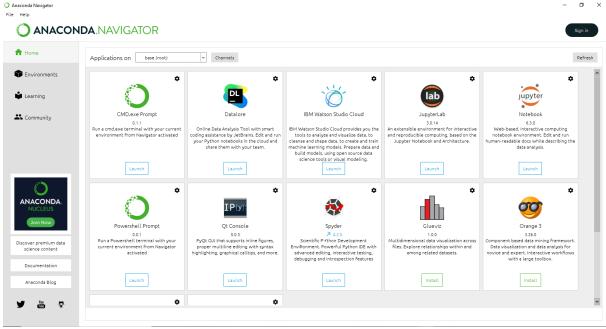


- 2.2. Click "Download Anaconda installers"
- 2.3. Choose your version
- 2.4. Download
- 2.5. Install



2.6. Start Anaconda

You will see panel like below. You have to instal Jupyter Notebook



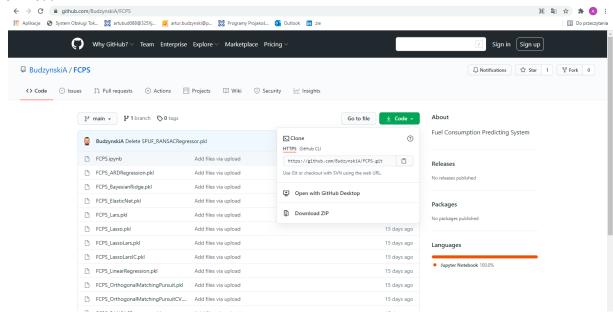
- 3. Jupyter Notebook
- 3.1. Start Jupyter Notebook. In Windows you make it like each other plain program
- 3.2. Copy and paste into browser link. You should see similar window like below:

```
    WybierJupyter Notebook (Anaconda 15.06.2021)
    I 33:31:57.922 NotebookApp] The port 8888 is already in use, trying another port.
    (N 201-88-06 13:31:55.932 Labbap] 'notebook dir' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
    (N 201-88-06 13:31:58.938 Labbap] 'notebook dir' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
    (I 201-08-06 13:31:58.938 Labbap] 'notebook dir' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.
    (I 201-08-06 13:31:58.940 Labbap] 'Jupyter' alba application directory is C:\Anaconda 15.06.2021\Lib\Siste-packages\Jupyter\lab
(I 13:31:58.940 NotebookApp) Upyter' ab application directory is C:\Anaconda 15.06.2021\Lib\Siste-packages\Jupyter\lab
(I 13:31:58.940 NotebookApp) Upyter Notebook 6:3.0 it surning at:
(I 13:31:58.948 NotebookApp) Inttp://localhost:8898)?token-Offfbl751f904a61cfc13d8idbef43c08312c3f3e6a89057
    (I 13:31:59.048 NotebookApp) Upyter NotebookApp or http://localhost:8898/?token-Offfbl751f904a61cfc13d8idbef43c08312c3f3e6a89057
    (I 3:31:59.048 NotebookApp) Upyter NotebookApp or http://localhost:8898/?token-Offfbl751f904a61cfc13d8idbef43c08312c3f3e6a89057
    (I 3:31:59.048 NotebookApp) Upyter NotebookApp or http://localhost:8889/?token-Offfbl751f904a61cfc13d8idbef43c08312c3f3e6a89057
    (I 3:31:59.048 NotebookApp) Upyter NotebookApp or http://localhost:8889/?token-Offfbl751f904a61cfc13d8idbef43c08312c3f3e6a89057
    (I 3:31:59.048 NotebookApp) Upyter NoteBook or NotebookApp or NotebookApp
```

3.3. Jupyter Notebook is ready to use

4. Training own model

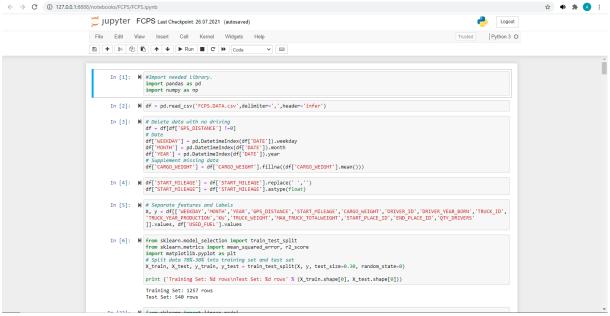
4.1. Download all files from https://github.com/BudzynskiA/FCPS like on file below. You have to click "Download ZIP"



- 4.2. Unpack files (you can use for it for example in WinRAR https://win-rar.com)
- 4.3. In Jupyter Nootebook click: "Upload" and choose:
 - -your csv file with data
 - -downloaded "FCPS.ipynb" file



4.4. Click Run and look what happen Important name your file "FCPS.DATA.csv" or change it in project



4.5. You have ready your own project