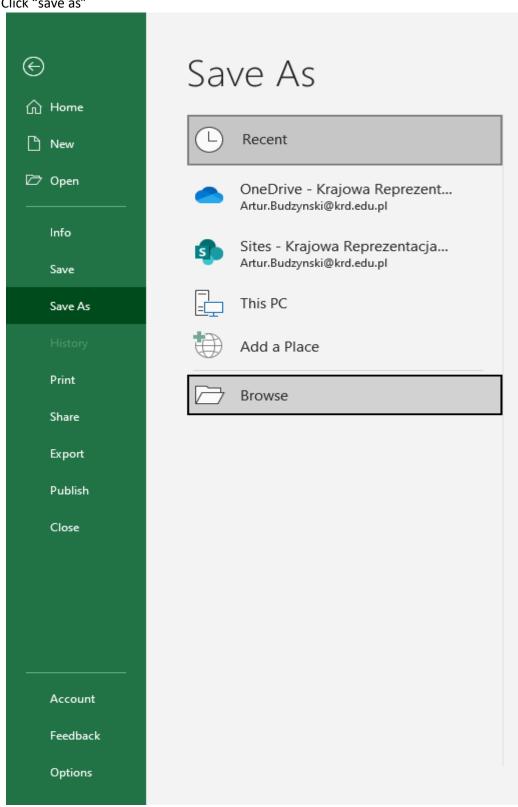
## **Step By Step: How to Make Your Own Machine Learning Model to Predict Fuel Consumption**

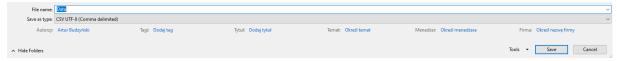
## 1. Prepare csv file

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

1.1. Click "save as"

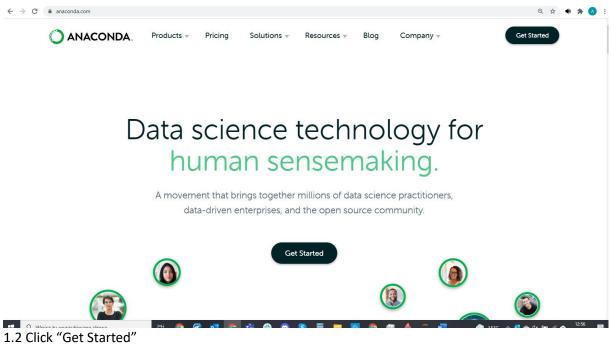


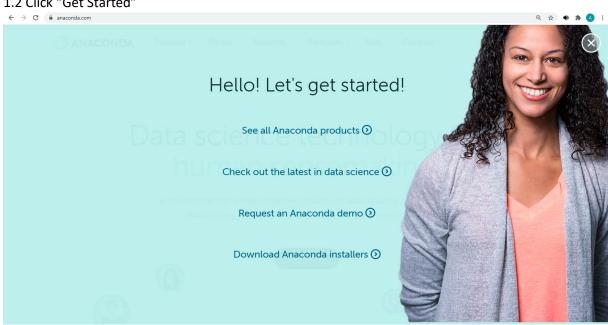
- 1.2. Choose localization
- 1.3. Choose Save as type: "CSV UTF-8 (comma delimited)



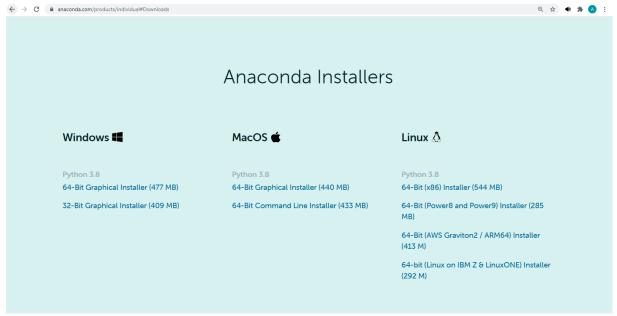
## 2. Anaconda

2.1. First you have to go on <a href="https://www.anaconda.com/">https://www.anaconda.com/</a>



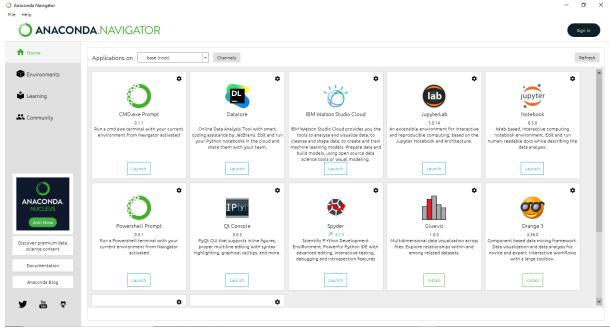


- 2.2. Click "Download Anaconda installers
- 2.3. Choose your version
- 2.4. Download
- 2.5. Install



## 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 like each other plain program
- 3.2. Copy and paste into browser link. You should see similar window like below

```
Wybiershupyter Notebook (Anaconda 15.66.201)

- O X

[I 13:31:57.922 NotebookApp] The port 8888 is already in use, trying another port.

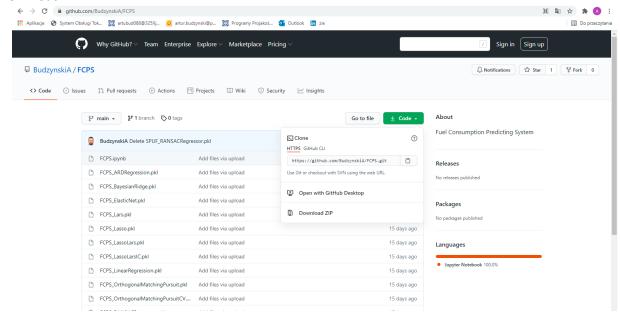
[I 20:1-88-66 13:31:58.939 LabApp] 'notebook_dir' has moved from NotebookApp to ServerApp. This config will be passed to ServerApp. Be sure to update your config before our next release.

[I 20:1-88-66 13:31:58.939 LabApp] '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 20:1-88-66 13:31:58.939 LabApp] 'Interval and the provided of the provided
```

- 3.3. Jupyter Notebook is ready to use
- 4. Training own model

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



- 4.2. Unpack files (you can use for it for example WinRAR https://win-rar.com)
- 4.3. In Jupyter Nootebook clickl "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

