ICT in Intelligent Networks

Lab 1

1. Install Anaconda latest version

https://www.anaconda.com/distribution/

2. Run Jupyter Notebook

    a. Jupyter Notebook & Python Tutorial

https://www.youtube.com/watch?v=3C9E2yPBw7s
https://www.dataquest.io/blog/jupyter-notebook-tutorial/

3. Tutorials for Python, Numpy, SciPy, Matplotlib

http://cs231n.github.io/python-numpy-tutorial/

4. Create a Jupyter Notebook that will contain:
    a. Find tabular data... e.g. csv, txt
    b. Read data... Pandas
    c. Manipulate, play with it... add/delete column, add/delete row, merge dataframes
    d. Visualization of the data... print data frame, graphs, bars, plots

5. Submit the Jupyter notebook via the e-Kursevi Assignment. Each student should upload a **.html or .pdf** of the Jupyter Notebook with executed code (Section 3 and 4) from this file.

The notebook should look something like this:
https://github.com/kuleshov/cs228-material/blob/master/tutorials/python/cs228-python-tutorial.ipynb

Please do not simply download the Notebook from the web and send it to me. Try it yourself!

At the end of the Jupyter Notebook you also should add your own examples and executions.