**Python for Data Science part 1 syllabus**

Python language & ecosystem

·        Notebooks and programming

·        Python and Excel for data analytics

·        Intro to variables, lists and data types

·        Intro to numpy

pandas DataFrames

·        Importing and exporting to and from Excel

·        Manipulating rows and columns (adding, dropping, renaming)

·        Aggregating and summarizing data sources

·        Merging and appending

Data visualization with seaborn

·        Information design best practices

·        Constructing univariate and bivariate visualizations

·        Creating custom visuals and readapting work

Working with time series

·        Converting and formatting dates and times

·        Aggregating time series data (resampling)

·        Window functions: leads, lags, moving averages