



Data Analytics with Python Part II

Statistical Inference and Data Visualization

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Course Preliminaries

Before the class, ensure that you have:

- Downloaded and Installed Anaconda Python 3.7+ Individual Edition:
<https://www.anaconda.com/products/individual>
- Understand how to use **Anaconda Navigator** and **JupyterLab** after downloading Anaconda Python.

SEMINAR OUTLINE

Agenda

Statistical Inference in Python

- Review of Pandas and data import/export.
- Basic statistical inference in Python with *statsmodels*
 - Linear regression.
 - Generalized Linear Models.

Data Visualization

- Basic data visualization in Python.
- Intermedia data visualization with *seaborn*.

- Advanced Data Visualization with *GeoPandas*
 - Geospatial data visualization.