

Agenda, Python for Data Analysis

| Day | Topics |
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| DAY1 | <ol style="list-style-type: none">1 Numpy<ol style="list-style-type: none">1.1 Data Structures1.2 Ufuncs1.3 Slicing1.4 Changing Dimensions and Shapes1.5 Broadcasting1.6 Various Mathematical Functionalities2 Matplotlib<ol style="list-style-type: none">2.1 Plotting Data2.2 Linestyles and Colors2.3 Axis and Spines2.4 Manipulating Tick Label |
| DAY3 | <ol style="list-style-type: none">2.5 Subplots2.6 Contour Plots3 Pandas<ol style="list-style-type: none">3.1 Series3.2 Series to DataFrames3.3 Series, DataFrames vs. Dictionaries3.4 Working with DataFrames3.5 Reading and Writing csv and dsv files3.6 Working with Excel Files in Pandas3.7 Excel Files3.8 Hierarchical Indexing3.9 Groupby3.10 Pivoting3.11 Working with „incomplete“ data, NaN3.12 Plotting Data |

Participation requirements:

Programming experience with Python. The topics of the course „Python for Beginners“ is sufficient.