



Data Visualization

Description

Complex data, big data. We need to understand them.

Data visualization is the way of giving a meaning to all the characters and numbers stored in computers in a way that makes it quickly understandable. In a glance.

There is many ways to display data to prove a point. Even invalid points as we will see. Visual representations can help in the analysis and understanding of complex data.

Learning Objectives and Outcomes

- Understanding why we need data visualization
- Panorama of data visualizations
- Design effective visualization
- Using Jupyter notebooks and Python graphic libraries

Course Schedule and Contents

Session#1	<ul style="list-style-type: none">▪ Course description and objectives DATAVIZ_GeneralPresentation.p df
Session#2	<ul style="list-style-type: none">▪ Presentation of homework▪ Jupyter presentation<ul style="list-style-type: none">○ Exercises
Session#3	<ul style="list-style-type: none">▪ Quizz▪ Project
Session#4	<ul style="list-style-type: none">▪ Presentations

Grading

Quiz:	40%
Course Project:	60%



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Policies

- I expect you to turn-in your reports on time to receive proper credit/grade.
- Any work submitted must be your own.
- I expect everyone to contribute equally to group assignments
- Attendance in every class is expected and class participation and discussion is strongly encouraged.
- Late work will not be accepted unless prior arrangements have been made directly with me.
- Cases will be decided on an individual basis.

Good Luck!