

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*

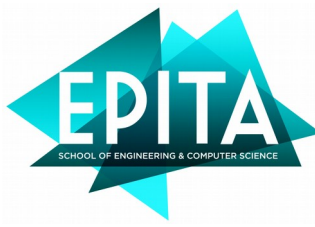
Course Schedule and Contents

Session#1	▪ <i>Course description and objectives</i>
17 Feb 2020	○ <i>DATAVIZ_GeneralPresentation.pdf</i>
09:00 – 13:00	
Session#2	▪ <i>Presentation of homework</i>
18 Feb 2020	
09:00 – 13:00	▪ <i>Jupyter presentation</i>
	○ <i>Exercises</i>
Session#3	▪ <i>Quizz</i>
19 Feb 2020	▪ <i>Project</i>
14:00 – 18:00	
Session#4	▪ <i>Presentations</i>
20 Feb 2020	
14:00 – 18:00	

Grading

Quiz:	40%
Course Project:	60%

Policies



Data Visualization

- 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!