

ADS ML – Week 5

Exploration & Reporting

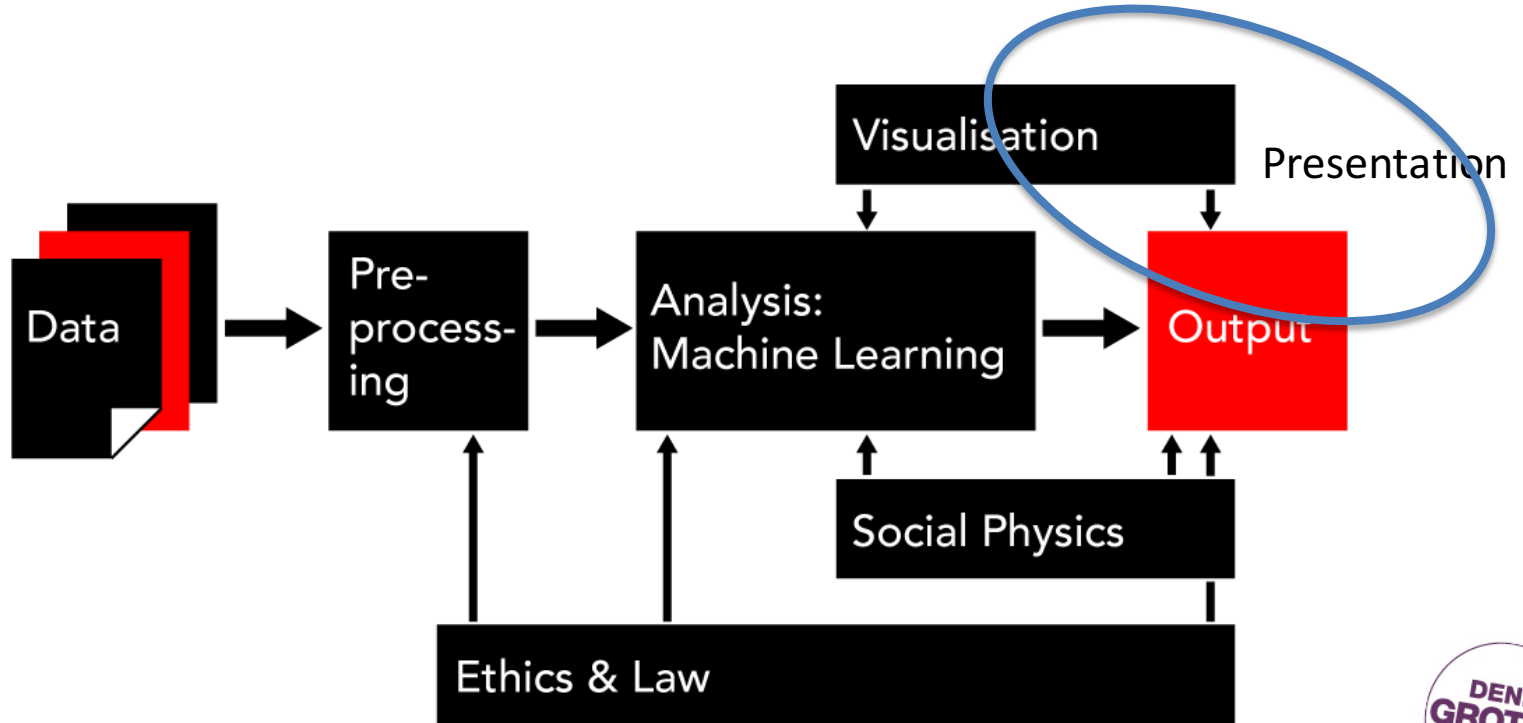
Goals: At the end of this lesson ...

- You understand the process of creating an interactive (narrative) data visualization.

Contribution to the learning objectives

- **create** a visualization from any data set that is not misleading and that clearly shows clustering, outliers and trends,
- **motivate** every design choice in a created visualization,
- **motivate** the next step in a data analysis based on a given visualization,
- **present** data analysis and visualizations as part of reproducible research,
- **apply** narrative techniques in visualizations,
- **create** engaging visualizations that allow for data exploration and story progression.

What are we doing?



- <http://www.bloomberg.com/dataview/2014-04-17/how-americans-die.html>

Visualization analyses

- What technologies are used and why?
- What form of interactivity is used and why?
- How does the story progress?
- How can the user explore the data?
- Is there a conclusion?
- How does color usage contribute?
- What purpose do the animations have?
- What is the relation between the chart type and data shown?
- How is ordering of data used?

Assignment for the rest of the semester

Assignment that covers everything:

<https://github.com/olafjanssen/ads-dv/blob/master/Assignments/DV05-12%20Interactive%20data%20visualization.pdf>

Extra informatie about the typical design process:

<https://github.com/olafjanssen/ads-dv/blob/master/Resources/Design%20Proces.pdf>