

Data Science Seminar „Datastories“

JProf. Dr. Claudia Wagner

14th of December 2016

- 35 students
- ~15 Projects

- Standard group size 2 people

1. Film shots in Germany (Nils Geilen)
2. Promotion of movies in Germany (Daniel Kesselheim)
3. GoT (Min Ke)
4. Gaming Industry (Fedotov Igor)

5. Fines in Cologne (Marcel Reif) → 3-4 people
6. Growth of districts in Cologne (Christopher Jensen) → 3-4 people
7. Renewable-Energy in Germany (Shriharsh Ambhore) → 3-4 people

8. Erasmus Mobility (Qianghong Ye)
9. G8/G9 German School system
Do we know where students come from that enroll in different universities?

10. Crime in Germany (Fabian Mayer)
We need to control for socio-economic factors? E.g. limit analysis to certain districts

11. International Students in Germany (Evgenii & Tevriz)
12. Population of Singapore (Wayne) → max. 1 person!

13. Explorative world map for digital nomads (Stefan Vujovic)
14. Explorative map of Education Situation in India (Kandy)

26.10.	Introduction
2.11.	Introduction & Students present data stories
9.11.	Students present data stories
	Look for open dataset; choose 1-3 datasets and propose questions you could answer with them; outline a story
7.12	Students present their suggestions
15.12.	Group Formation
11.1	Feedback/QA class
25.1.	Feedback/QA class
8.2.	Submission deadline
15.2.	Final presentations
22.2.	Final presentations

- Blog post (short data story)
 - ◆ What is the single main point you would like to make (after you know what the data tells you)
 - ◆ What is the question around which the story is build? Why is it of interest?
 - ◆ Only include visualizations and numbers that answer the question and support your point
 - Highlight what the reader should see
 - ◆ Describe and interpret the visualization in the text.
 - ◆ Ask friends to prove read the story! Is the English ok? Is the story understandable?

- Submit full data story in Word or Open Office document which I can easily edit
- Add plots to document, but also submit them separately
- Prepare a presentation about your data story
 - ◆ 8 min presentation and 2-3 min questions

- Quality of Data Story:
 - ◆ Is the main point supported by the data and visualization?
 - ◆ Is the story easy to follow?

- Writing style and English
 - ◆ Are any spelling or grammar mistakes in the text?

- Quality of visualization
 - ◆ Is the visualization easy to understand and beautiful?

- Presentation
 - ◆ Do students sell their story? Does their main point become clear