Data Science Seminar „Datastories“

JProf. Dr. Claudia Wagner

14th of December 2016
- 35 students
- ~15 Projects
- Standard group size 2 people
**Selected Projects**

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)
<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.10</td>
<td>Introduction</td>
</tr>
<tr>
<td>2.11</td>
<td>Introduction &amp; Students present data stories</td>
</tr>
<tr>
<td>9.11</td>
<td>Students present data stories</td>
</tr>
<tr>
<td></td>
<td>Look for open dataset; choose 1-3 datasets and propose questions you could answer with them; outline a story</td>
</tr>
<tr>
<td>7.12</td>
<td>Students present their suggestions</td>
</tr>
<tr>
<td>15.12</td>
<td>Group Formation</td>
</tr>
<tr>
<td>11.1</td>
<td>Feedback/QA class</td>
</tr>
<tr>
<td>25.1</td>
<td>Feedback/QA class</td>
</tr>
<tr>
<td>8.2</td>
<td>Submission deadline</td>
</tr>
<tr>
<td>15.2</td>
<td>Final presentations</td>
</tr>
<tr>
<td>22.2</td>
<td>Final presentations</td>
</tr>
</tbody>
</table>
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?
Final Submission and Presentation

- 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
Grading Criteria

- 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