

Exercise Sheet 1

(until 12.04.2019)

1. Name three different types of data to which Visual Analytics can be applied. For each of the examples, name a question that might be relevant to the evaluation of the data and justify your decision.
2. Using an example, explain why a purely statistical evaluation of data is not sufficient to derive hypotheses.
3. What are the 4 core objectives of Visual Analytics and explain them using an example.
4. Explain using an example except weather maps where Visual Analytics makes little sense.
5. Explain the interaction of the four components of Visual Analytics system using an example.
6. Explain with an example why reproducibility in a Visual Analytics system is important.
7. Imagine that we had been running a pedestrian survey in the USA. We had let pedestrians write their height and sex on a sheet of paper. Afterwards, the handwritten statements were digitalized and saved in a csv file. Our task is, to summarize and describe the heights of the survey participants to a person not involved to the study. How could the heights be visualized? Give reasons for your decision.