

Lecture 01: Introduction

Recommended Reading:

- Interactive Data Visualization – Foundations, Techniques and Practices. M. Ward, G. Grinstein and D. Keim. A.K. Peters. 2015 (2nd. Edition). Available as E-book in TCD library reading rooms.
- Visualization Analysis and Design. Tamara Munzner. A.K. Peters / CRC Press. 2014. Available as E-book in TCD library reading rooms.
- Information Visualization – Design for Interaction. R. Spence. Pearson / Prentice Hall. 2001.

Human in the Loop

Visualisation is needed when pure computational processes can't guarantee an answer.

- Question is not clear in advance
- Problems are ill-specified for automated encoding
- Solution is better fit for human intuition/experience
- Solutions are not yet developed
- Solution required human oversight in addition to automated processes

Mapping: representing data in the most optimal way for the task

Acronyms