

What is data science? What do data scientists do?

Visualization

Statistics

GIS

Organization of data

Analyzing

interpreting

Storing

manipulating

accessing

presenting → domain experts

The process and/or study of extracting insights
from data.

Tools: CS, Statistics, Domain expertise

What is data?

distinct pieces of information

recorded observations about ... something

Structured information

Spreadsheets

"Data \neq information \neq understanding \neq wisdom." - Clifford Stoll

What properties does data have?

or, how can we categorize data/datasets?

Structured vs Unstructured

numerical vs categorical

big vs small

(continuous vs discrete)