

Social-Science/Industry- Cooperation in the Age of Big Data

Dr Christian Arnold
Cardiff University
July, 18th 2018

Table of Content

1. Challenges and Opportunities
2. News from the Lab

Challenges and Opportunities

Social Scientists and Business People



Motivation

- Study social processes



Motivation

- Make money
- Do politics

Social Scientists and Business People



Haves

Knowledge

Wants

Data



Haves

Data

Wants

Knowledge

Challenges

- Different goals
- Data and computing infrastructure to make things happen
- The AI-hype spectrum: from magic to ignorance

Challenges

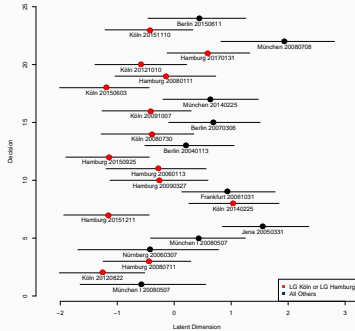
- Different goals
- Data and computing infrastructure to make things happen
- The AI-hype spectrum: from magic to ignorance

Opportunities

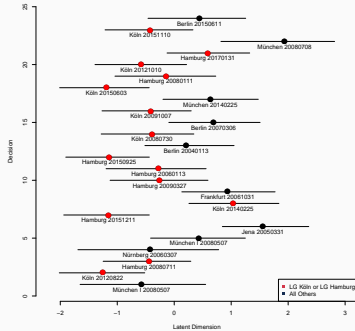
- Bridging the knowledge-data gap

News from the Lab

Legal “Sentiments” of Court Decisions



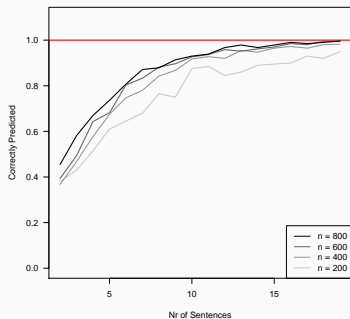
Legal “Sentiments” of Court Decisions



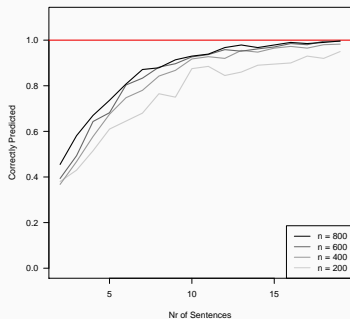
Use Cases

1. Portfolio overview
2. Maps to chose the right court

Classifying Short Sentences



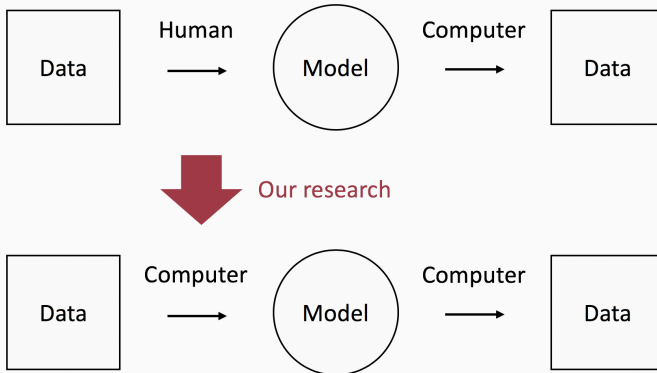
Classifying Short Sentences



Use Cases

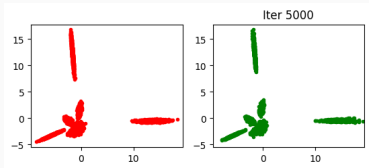
1. Trend monitor in for topics in social media, governments, news etc.
2. Customised fire alarm in PR/political campaigns

Synthetic Data



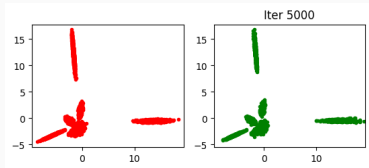
Synthetic Data

Original and Synthetic Data



Synthetic Data

Original and Synthetic Data



Use Cases

- REALLY anonymise data
- Compliance to GDPR
- Patient data in medical trials
- etc.

Dr Christian Arnold

Cardiff University
School of Law and Politics
arnoldc6@cardiff.ac.uk

