

Delft Data Science Seminar



Trusted Data Analytics – from bias to trust

Can we trust data analytics?

COMPETENCES

Data Processing

Full-stack engineering

- Big Data Hardware
- Software Engineering
- Data Management

Data Analytics

Visual & Social data

- Visualisation and Interaction
- Social Data Computing
- User Aspects of Social Data



GROUPS

- Algorithmics
- Computer Engineering
- Computer Graphics & Visualisation
- Cyber Security
- Distributed Systems
- Embedded Software
- Interactive Intelligence
- Multimedia Signal Processing
- Numerical Analysis
- Pattern Recognition and Bioinformatics
- Programming Languages
- Software Engineering
- Statistics
- Web Information Systems

DOMAINS



**DELFT
DATA
SCIENCE**

ROADMAPS

Sports

Social

Engineering

Health

Trusted Social Data (1)

Why this dedicated DDS research program?

- 1) To understand properties of technology that reveal insight and meaning from data,
- (2) To understand impact of technology if deployed in science and society,
- (3) To measure the performance of the technology in such a way that corresponds with human acceptance and quality criteria.

Trusted Social Data (2)

What type of data?

- concerns humans and groups of humans,
- generated by people (social data)
- for people (web data, multimedia content)
- challenging in form when extracting meaning and insight (semantic gap, lack of structure).