S&D Roundtable on the Algorithmic Opportunities, Transparency and Accountability

Brussels, June 29th, 2017

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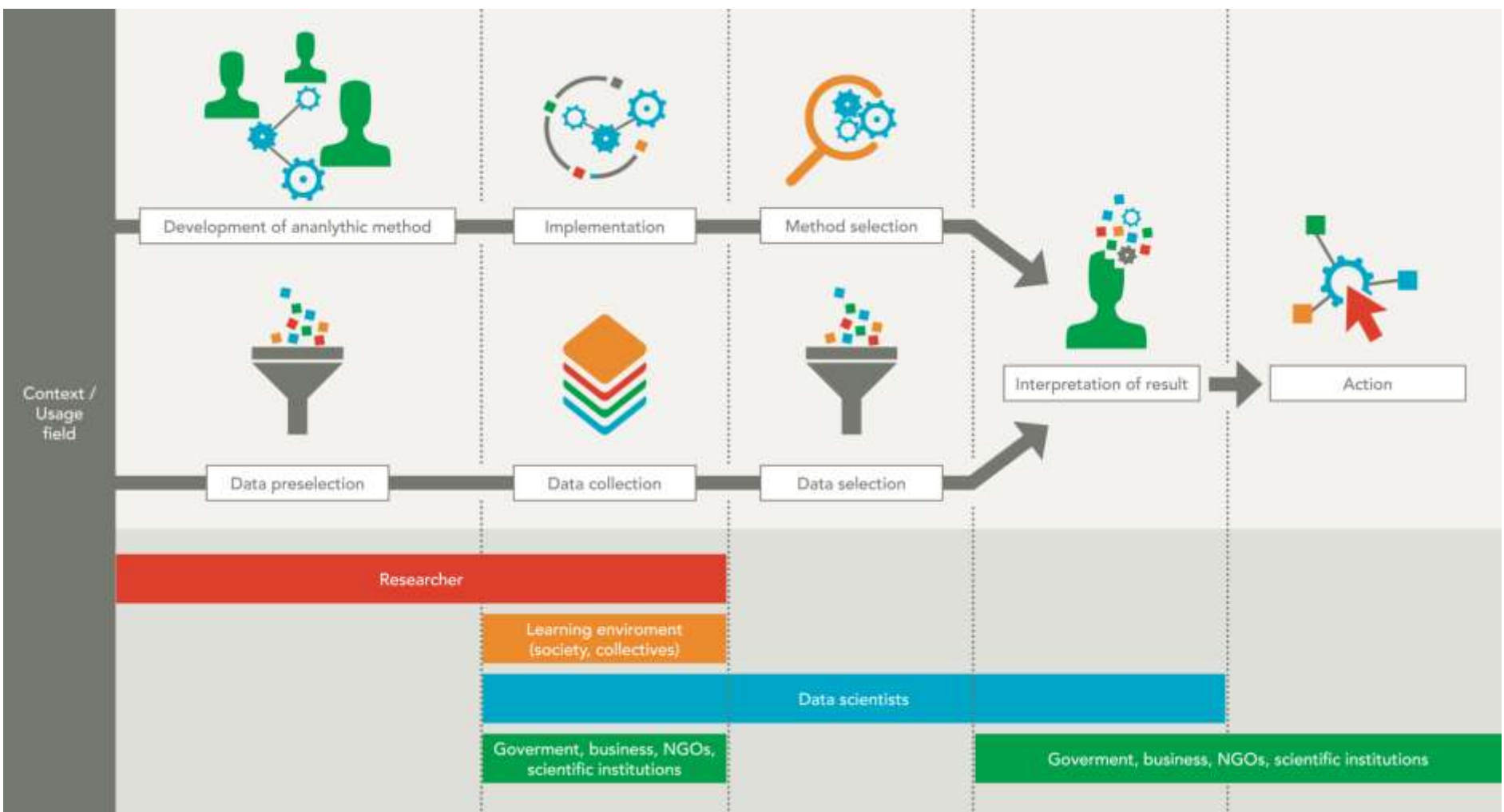
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Algorithmic Decision Making – ADM

We call the following process algorithmic decision making (ADM):

- design procedures to gather data,
- gather data,
- design algorithms to
  - analyse the data,
  - interpret the results of this analysis based on a human-defined interpretation model,
- and to act automatically based on the interpretation as determined in a human-defined decision making model.

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Who's part of this?

Context / Usage field

Development of ananlythic method → Implementation → Method selection

Data preselection — Data collection — Data selection

Interpretation of result → Action

Researcher

Learning enviroment (society, collectives)

Data scientists

Goverment, business, NGOs, scientific institutions

Goverment, business, NGOs, scientific institutions

What do we need to watch, then?

Alle
Kategorien ▾

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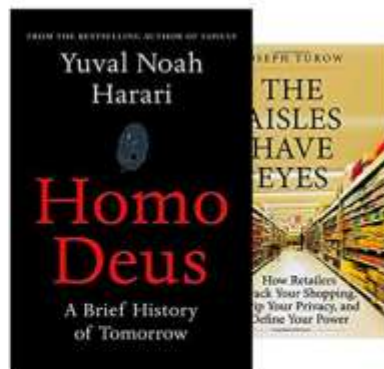Listen ▾

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Algorithmic injustice and the formulas that increasingly influence our lives.

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by Julia Angwin and Surya Mattu
ProPublica, Sep. 20, 2016, 8 a.m.

170 Comments | Print

Rob Weychert/ProPublica

This is part of an ongoing investigation

Machine Bias

We're investigating algorithmic injustice and the formulas that increasingly influence our lives.

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POLICING THE FUTURE

In the aftermath of Ferguson, St. Louis cops embrace crime-predicting software

By Maurice Chammah, with additional reporting by Mark Hansen

What does this tell us?

So far, we have no agreed-upon criteria to *sufficiently* distinguish between different ADMs.

Ethics and algorithmic processes for decision making and decision support

by Lorena Jaume-Palasí and Matthias Spielkamp

Categories

- Individual goods
    - self-chosen goods and services
    - goods and services affecting an individual but used by a third party

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Categories

- Individual goods
  - self-chosen goods and services
  - goods and services affecting an individual but used by a third party

- Societal goods
  - societal framework
  - collective goods

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Ways to investigate algorithms

- journalistic investigation and reporting
- computer science: statistical analysis, reverse engineering etc.
- law: legal analysis, strategic litigation etc.
- advocacy: campaigning
- philosophy: ethical analysis, development of criteria for evaluation, development of norms

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Thank you!

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