

Applied Data Science in Europe

Challenges for Academia in Keeping Up with a Highly Demanded Topic

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data**lab**
www.data-science.ch

Data Scientist := “A data analyst who lives in California.” (Malcolm Chisholm)

Data Science := “**Unique blend of skills** from analytics, engineering & communication aiming at generating **value from the data** itself [...]” (DataLab)

...



Transition US → Europe

- We don't have Internet Behemoths



- But we have

- Banks and Telcos
- Industry (Automotive, Engineering, ...)
- Retailers (online, local, small, big)
- Smart [Grid/Mobility/...] Initiatives
- Societal Challenges
- ...

- «Big Data»
- «Industry 4.0» (Sensors)
- «Analytics»
- «IoT»
- «PRISM», «Open Data»

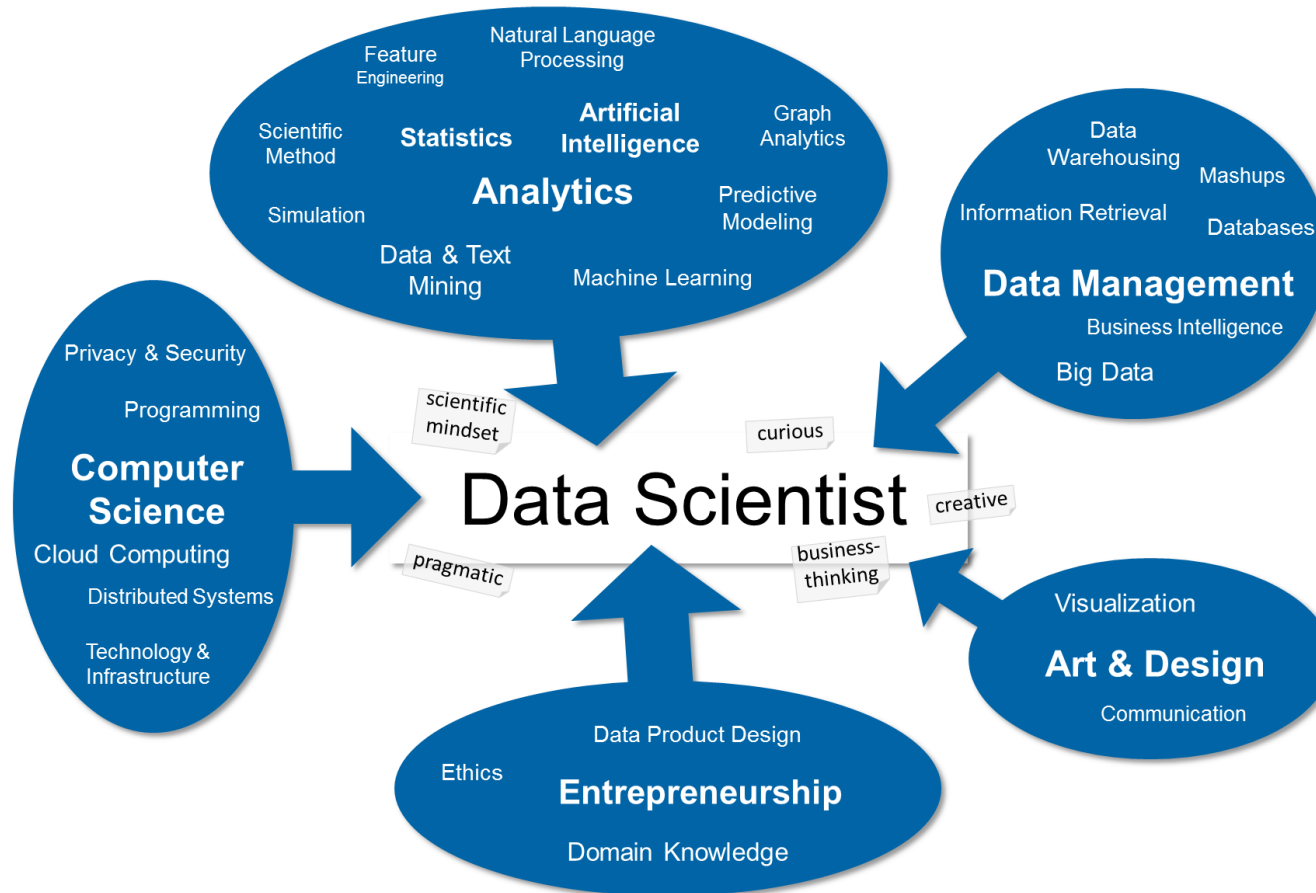
Our Role as Academia

- Shape discussion accordingly
- Uphold quality standard

➔ Develop Curriculum



A Datalab View



More Discussions?



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Backup

Curriculum Draft

- Database / Cloud Computing / Big Data
- Data Mining, Statistics & Predictive Modeling
- Machine Learning & Graph Analytics
- Information Retrieval & Natural Language Processing
- Business Intelligence & Visual Analytics
- Data Warehousing & Decision Support
- Communication & Visualization of Results
- Privacy, Security & Ethics
- Entrepreneurship & Data Product Design

Continuous real world projects → business cases with impact

