



Motivation

Advanced Methods for Geospatial Analysis



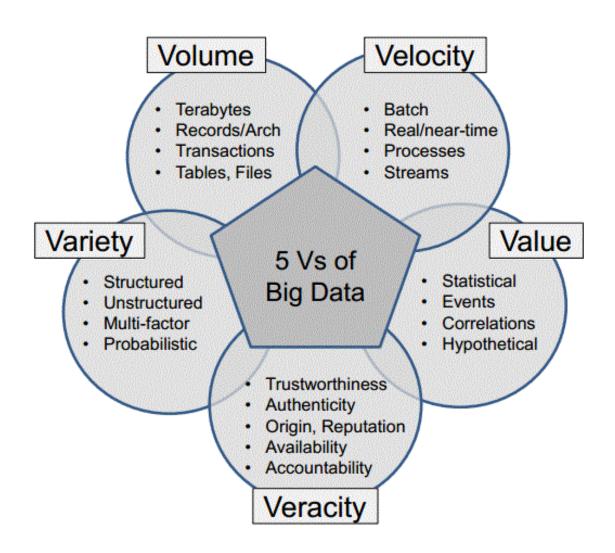
- Remote sensing and photogrammetric data captured from satellites, airplanes, UAVs, mobile platforms
- Cartographic and administrative data including volunteered geographic information (VGI) from open data portals (e.g. OpenStreetView)
- Ubiquitous sensors (including smartphone data)
- Social media data
- Medical data
- Space observations
- Big Geo Data → geo-located and time stamped data



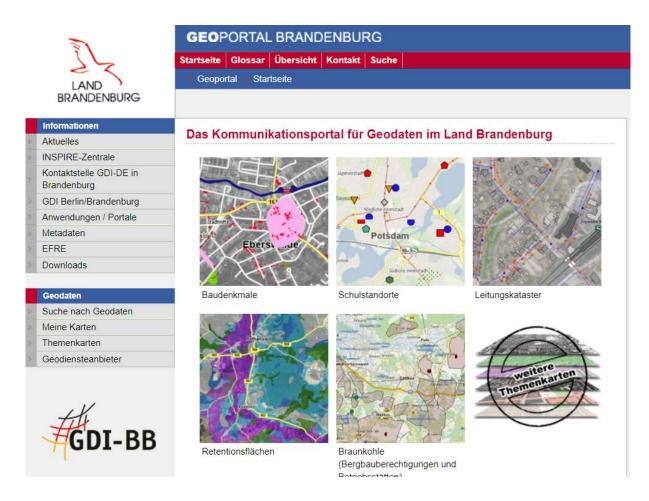






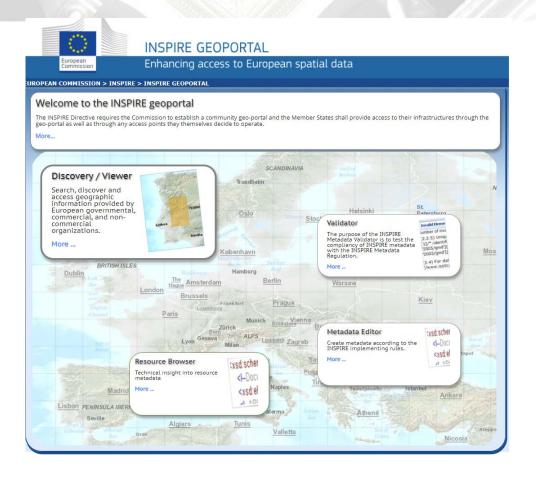






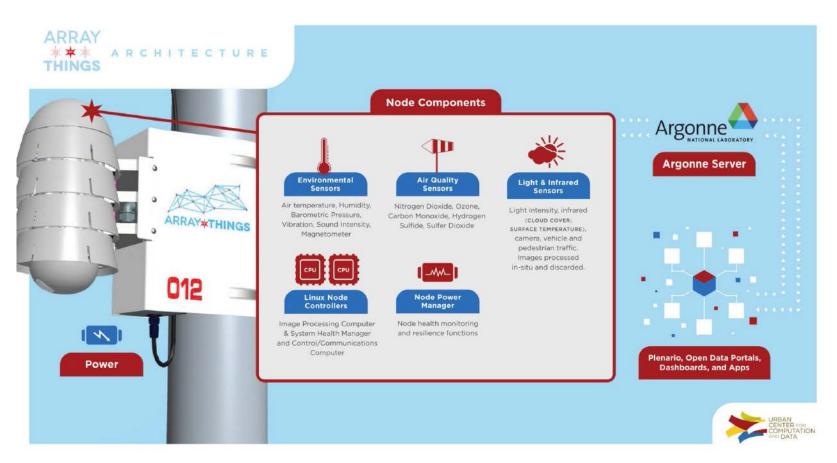
https://geoportal.brandenburg.de/startseite/





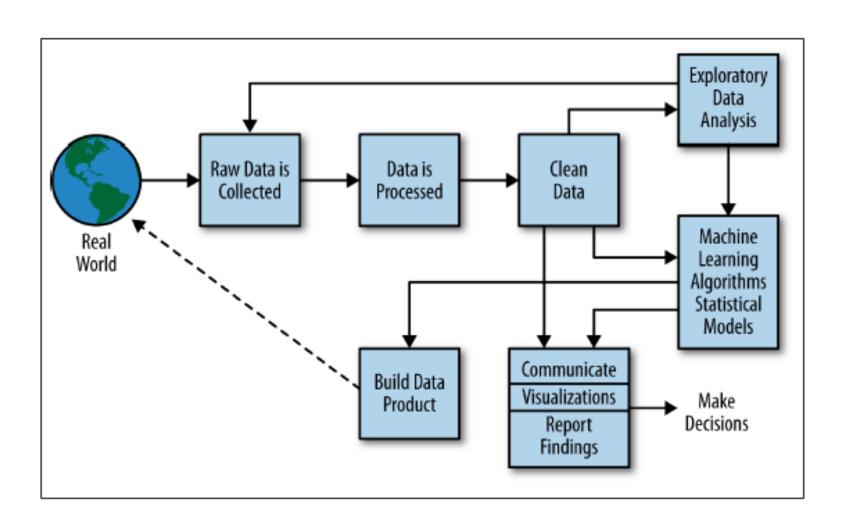
http://inspire-geoportal.ec.europa.eu//





(Geo) Data Science





(Geo) Data Science



data science consists of

"statistical computing and how to

access,

transform,

manipulate,

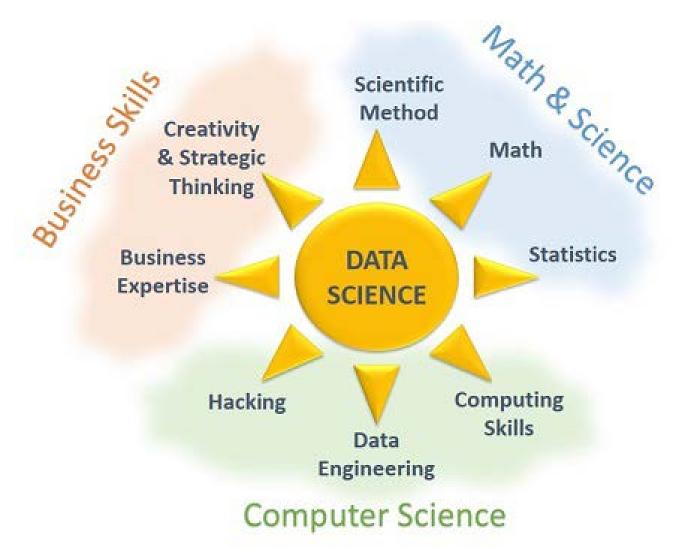
explore,

visualize

and reason about data"

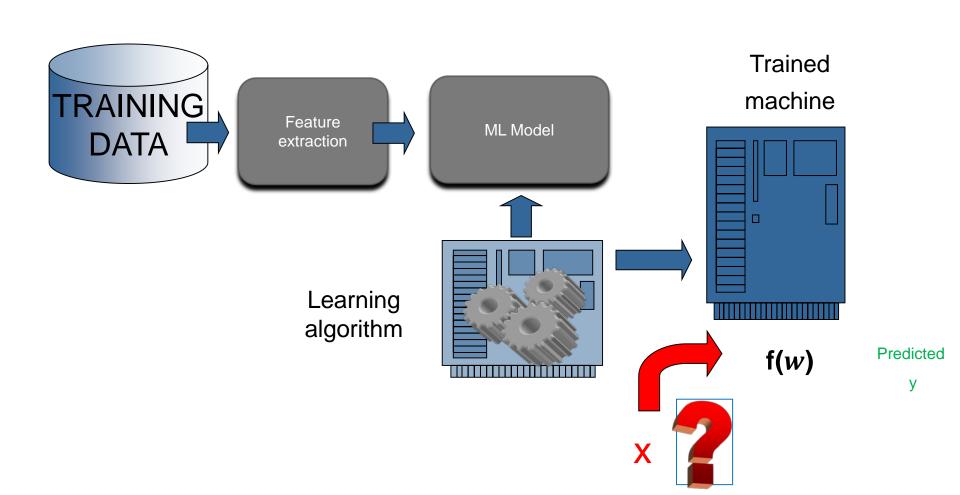
(Geo) Data Science





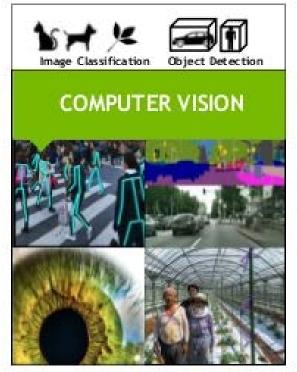
Machine Learning

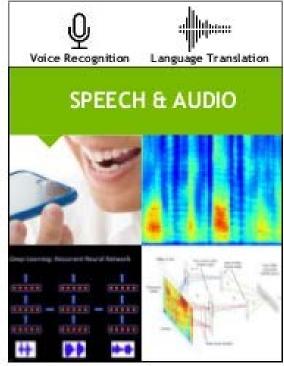


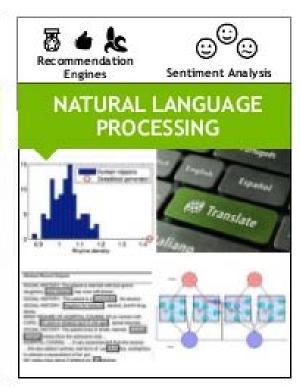




AI APPLICATIONS









Speech recognition







star trek

Language translation







Englisch (erkannt)

The course "Selected Sections of Geoinformatics" is about the theory and application of neural networks.

Übersetze nach **Deutsch**



Die Lehrveranstaltung "Selected Sections of <u>Geoinformatics</u>" widmet sich der Theorie und Anwendung neuronaler Netze.







Handwriting recognition

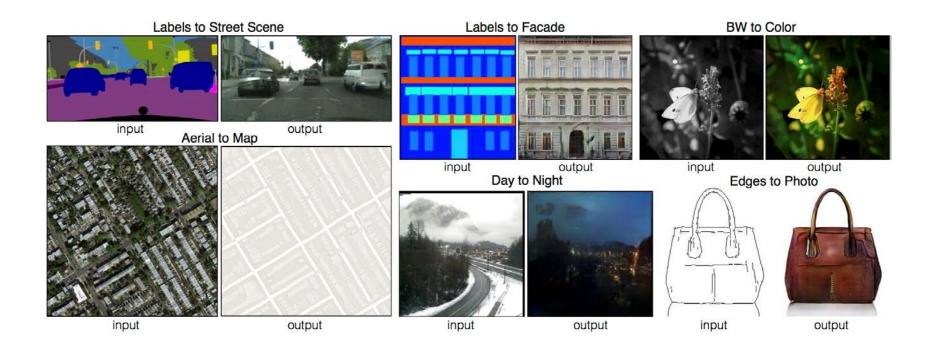
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wake me up that moving taxis having this running tier morning loving



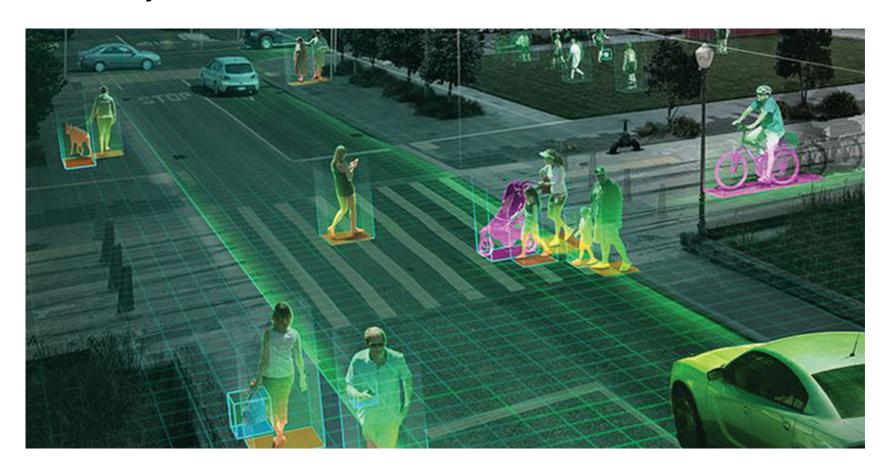
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Image to image translation with generative adversarial networks (GANs)



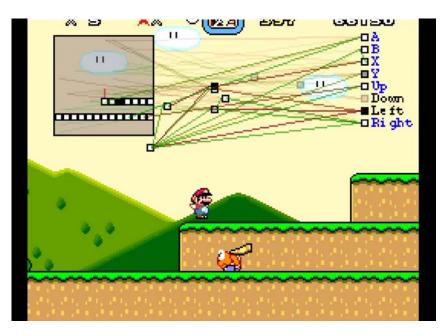


Video analysis





Gaming



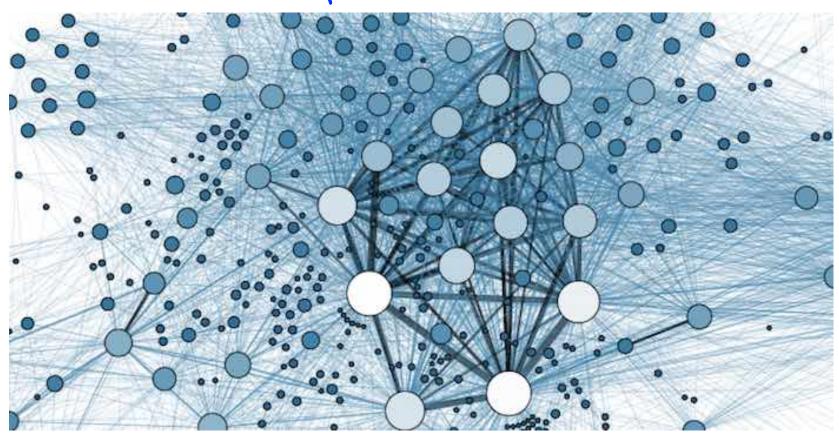


alpha go



Social networks

facebook





Recommendation systems

netflix

