Big data!

- Nytta & Utmaningar

Stockholm, Nov 25, 2019 ×

Cristofer Englund



RISE Research Institutes of Sweden AB





Who is Cristofer?

Research manager, Göteborg





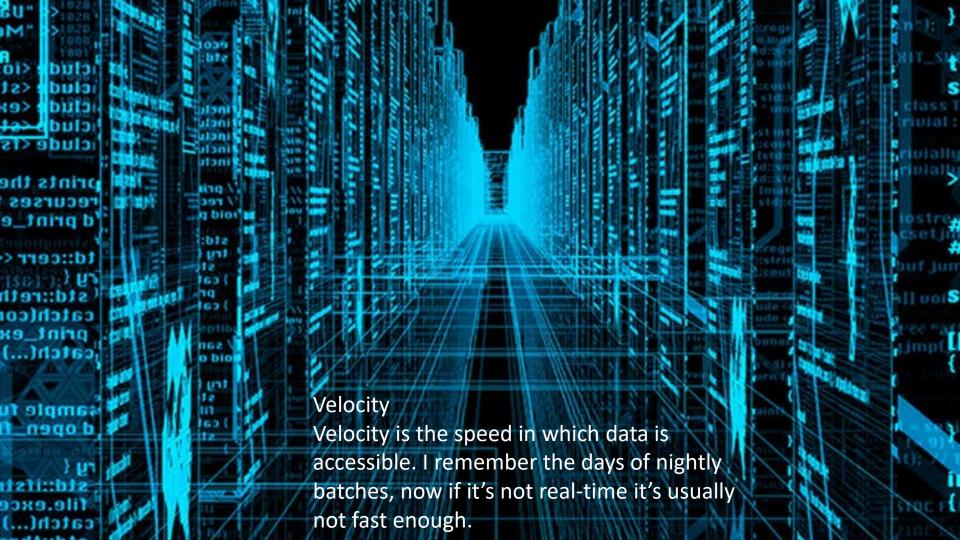
Associate Professor, Halmstad University



Research interest: Al, Machine Learning, cooperative and automated vehicles, behavior modelling, traffic systems











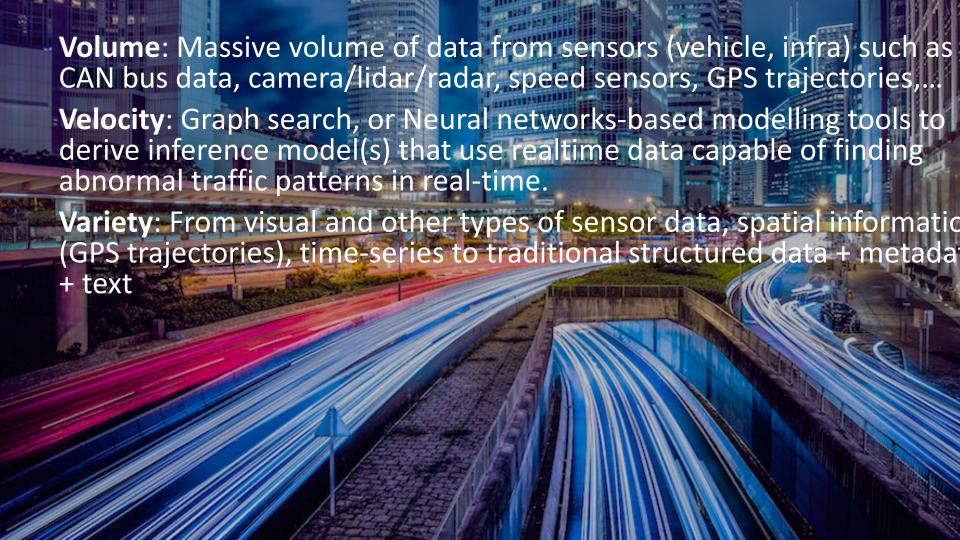
"Data is cheap but it's dumb"

"Information is the oil of the 21st century, and analytics is the combustion engine"

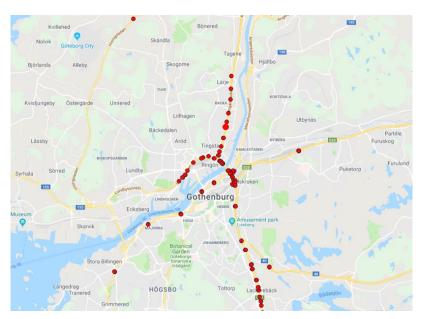


"Big data is not about the data" Peter Sondergaard, Şenior

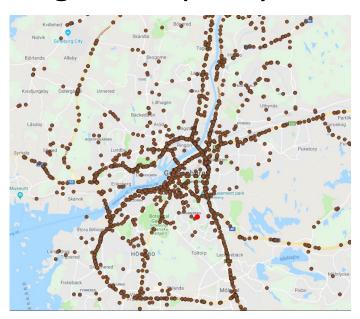




Data driven traffic management policy



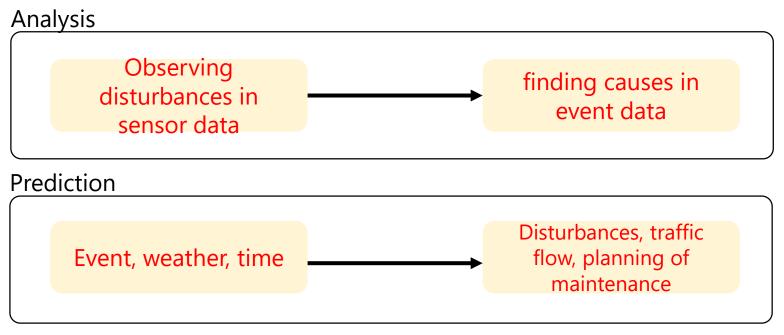
Fixed infrastructure sensors



Traffic related events



Data driven traffic management policy





Freefloating car service analysis









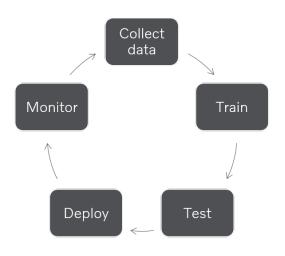
Weatherstations







Freefloating car service analysis





- Data alignment
- Data cleaning
- Data pre-processing
- Data visualization
- Data clustering







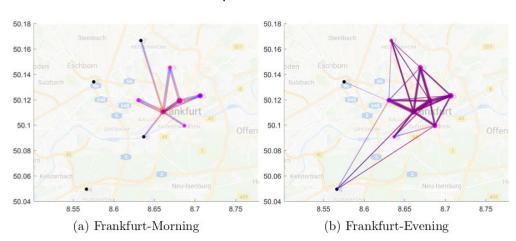
Weatherstations

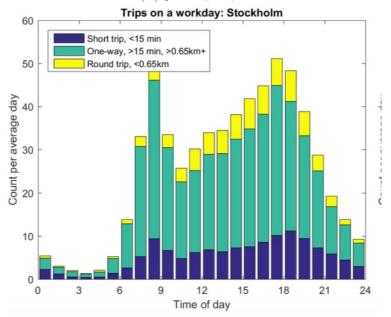




Free floating car sharing behaviour analysis

- Business analytics
 - How is the service used?
 - How can the service be improved?
 - Between where is the service used?
 - Should the operator re-distribute vehicles?









Wrap-up

Volume Velocity Variety

Strategic and operational planning Business operation

Education

