

Ksandr LIVE XL 17 juni 2019

Datagedreven waardecreatie: Valt er nog iets te kiezen?













Prof. dr. J.F.M. (Frans) Feldberg Professor of Data-Driven Business Innovation SBE/Information, Logistics and Innovation



School of Business and **Economics**













Research:

- Data-Driven Business Innovation
- Economics of Artificial Intelligence
- Ecosystems (collaboration)
- Business Intelligence/Business Analytics/Big Data
- Online Decision Making (DSS & GDSS)
- Mobile Sensing/Internet-of-Things

Business Consultant.





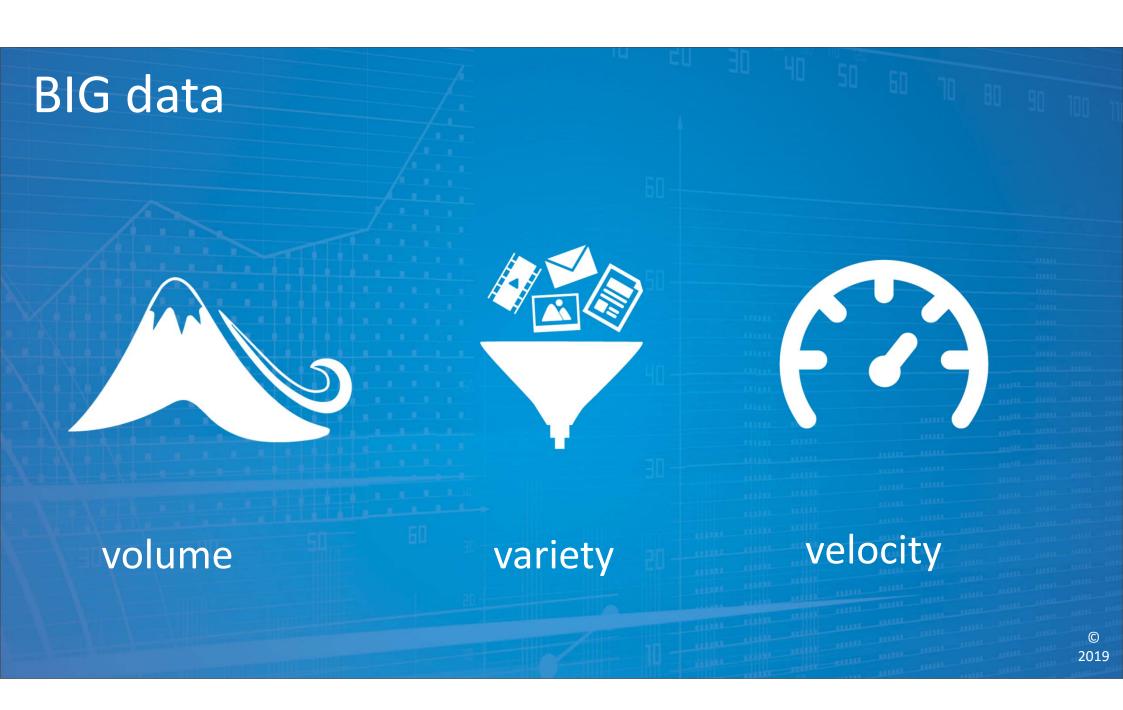
- Business Administration & Mathematics & Computer Sciences&
- Bachelor and Master Business Analytics
- Multidisciplinary Research Center
- Eco System: Businesses & Science
- One stop shop: Access to all relevant academic expertise
- Post Graduate Education: Business Analytics & Data Science (https://ee.sbe.vu.nl/nl/management/opleidingen/business-analytics-data-science/inhoud/index.aspx/)



















Digitized Demonetized Dematerialized Democratized Deceptive Disruptive

HOME MISSION IMPACT MAP HELP BLOG PRESS

Map Data

Geotags pinpoint individual pieces picked up worldwide.

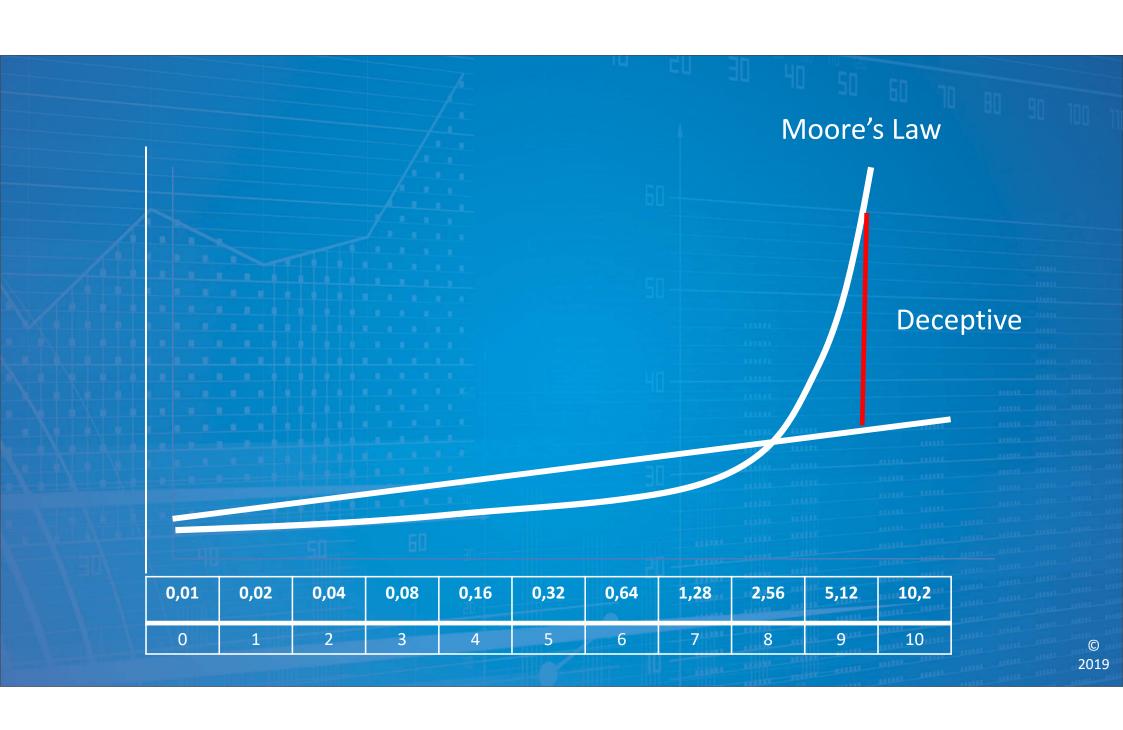
(Updates hourly)

Explore Map





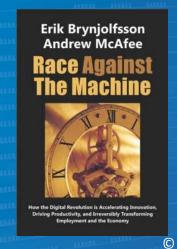
(https://www.litterati.org)



Andrew McAfee: When do we enter the second half of the chessboard?

US Bureau of
Economic
Analysis starts
tracking IT

Moore's Law doubling period 4 (1,5) 2006



The Home of Data Science & Machine Learning

Kaggle helps you learn, work, and play

Create an account

or

Host a competition

Data: Value Creation?

Strength in numbers:

How does data-driven decision making affect firm performance?

(Brynjolfsson, E., Hitt, L. M., & Kim, H. H., 2011).

Big Data and Value Creation:

How do organizations create value from big data?

(Günther, W. A., Mehrizi, M. H. R., Huysman, M., & Feldberg, F., 2017).

How do organizations realize value from big data?

(Debating big data: A literature review on realizing value from big data (Günther, Rezazade Mehrizi, Huysman & Feldberg, 2017))

Inductive **Deductive** Gaining insights from big Work-Practice data for decision making. Human Machine Centralized Decentralized Developing organizational Organizational designs and models. Incremental Radical Controlled Open Dealing with stakeholder Supra-Organizational interests. Social **Economic**

https://www.sciencedirect.com/science/article/pii/S0963868717302615



Characteristics (big) data: Portability Interconnectivity 2019



HEALTH NEWS

The new Apple Watch has a heart monitor and the FDA approves

Health apps can help patients take charge of their health, says the American Heart Association, which also suports the EKG app.

by Maggie Fox / Sep.12.2018 / 10:20 PM ET

HURRICANE FLORENCE





Who will become the Uber of healthcare....?



DATA-DRIVEN BUSINESS MODEL INNOVATION

IMPROVE

the business model

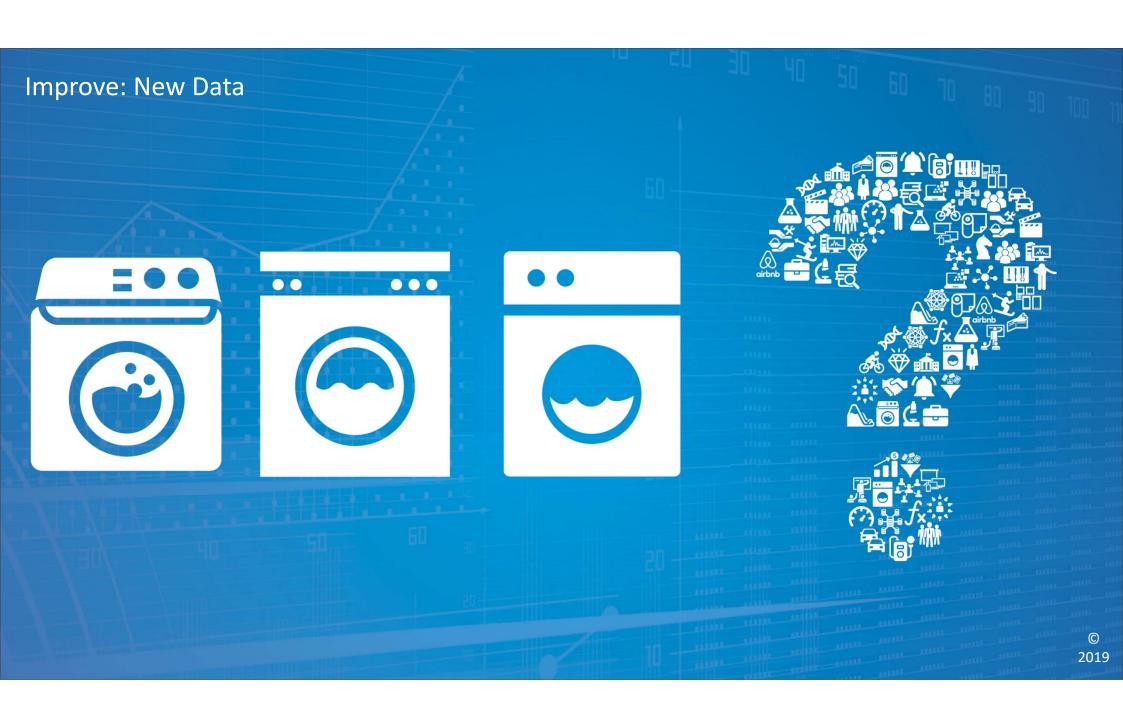
- New Data
- New Insights
- New Actions

INNOVATE

the business model

- Data Monetization
- Digital Transformation

(Woerner & Wixom, 2015))















Solar



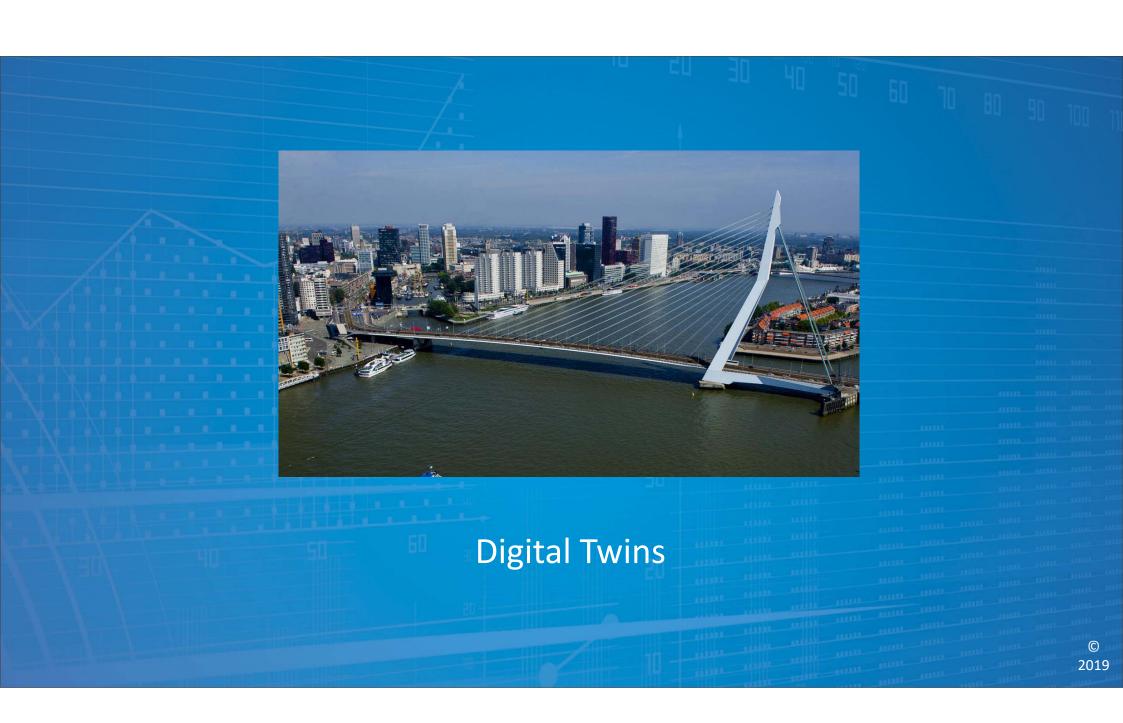


clean wash, lowest costs, lowest environmental impact.



Financial Services

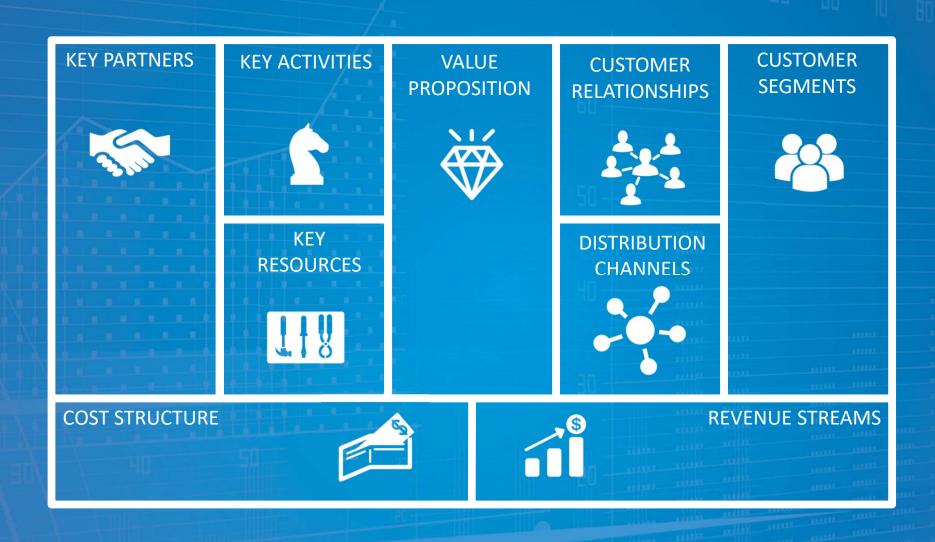






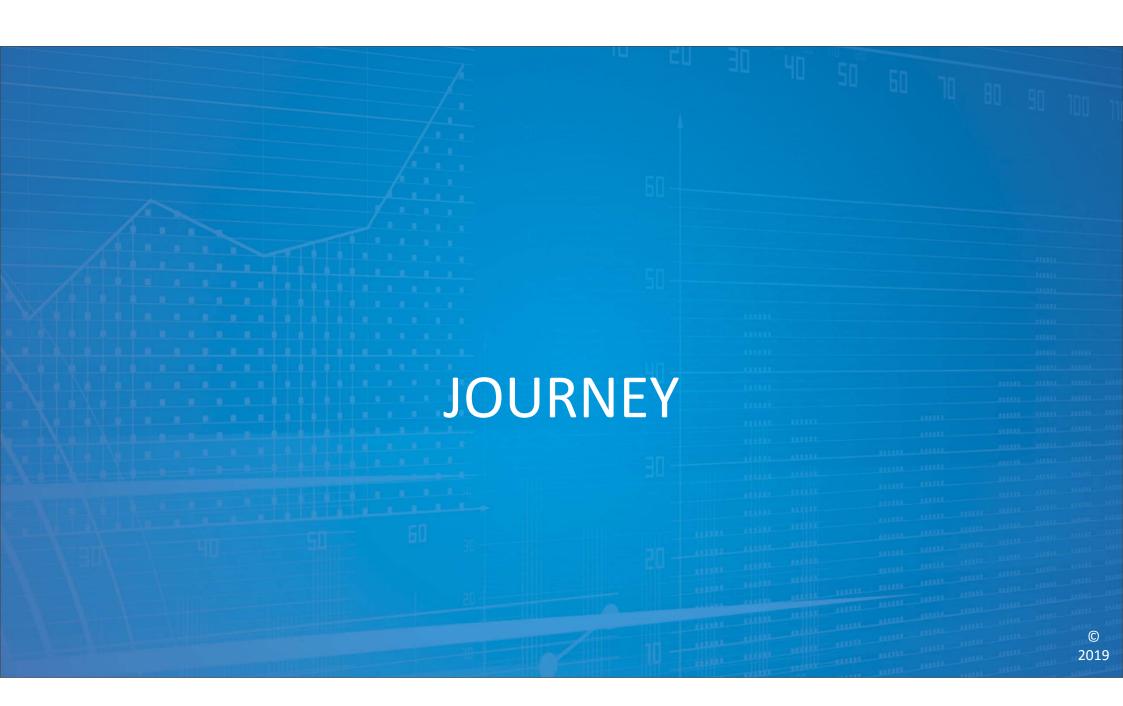
Field Lab Smart Maintenance Techport



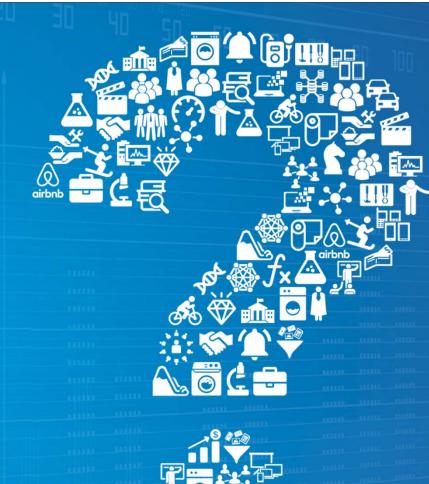


(Osterwalder, A., & Pigneur, Y., 2010)

Challenges, Risks: Data Privacy and Ethics: BIG Dilemma's! Data Obsession ("the dictatorship of data") •Data Quality: New Paradigms? Skills: Data Scientists Energy Security 2019



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If you want to know more about the economics of artificial intelligence, prediction machines, and how AI can help to solve complex problems (link to SDGs), check: https://youtu.be/p7XwKKTLRlw

