Deloitte: Hoteliers should plan ahead.
We help to develop society
Our vision, Everybody arrives smoothly, the green and safe way
Brief data on the Swedish Transport Administration

The Board

Director-General

7,500 employees, 150 occupations

Business volume in 2017

55 400 000 000

Of which

- Investments: SEK 23.5 billion
- O&M and traffic control: SEK 19.5 billion
- Miscellaneous: SEK 11.0 billion
Sweden’s roads and railways, airports

- 14,158 km of rail tracks
- 533 stations for embarking and disembarking
- 15,176 points
- 98,400 km of State roads
- 75,729 km of private roads with a State subsidy
- 16,500 way bridges
- 4,174 railway bridges
- 41 ferry lines
- 42,200 km of municipal streets and roads
- 43 Airports
The infrastructure and vehicles generates vast amount of data

- Sensor
- Radar
- Camera
Market adapted planning and capacity

National train guidance

Infrastructure Digital twin
Source: World Economic Forum
“not only work with data but let data work for us”
Project AI

- Research project questions:
  - The duration of individual traffic-disturbing events
  - Arrival of individual train individuals
    - Train time, signal, events
    - Weather data
      - 5 year of history
Road maintenance asphalt pavement predictions
GDPR protection of people and licenseplates
Future plans
This is Train 258 destination Stockholm 11.35. I identified dead Moose on parallel track!

TC is here, thanks for reporting the animal on the track. We will forward that to be dealt with.
PoC Big data Environment
Challenges

• Organization has great challenge to become data driven and CHANGE

Source:
https://www.jianshu.com/p/4b38238ad54c,
https://www.jianshu.com/p/4b38238ad54c,
https://lh3.googleusercontent.com/0Q81k20QRuKEUNnqrQu9jtQRxDQlehEUQJbBETmlLzp3ultkF05X9bTbXZ4qj2RaE5oA=s170
Challenges

• People and culture
  – We have an underground movement up to management
  – We need to embrace the organization with knowledge and change

• Competence development
  – All roles but specific Data Scientist

• Data and quality
  – Manual input is harder to analyze
  – Data handling

Source
http://datadriven.tv/blog/modern-data-scientist-infographic/
Fourth Stream
Reasoning
Workshop 17 April 2019 Linköping, Sweden

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