

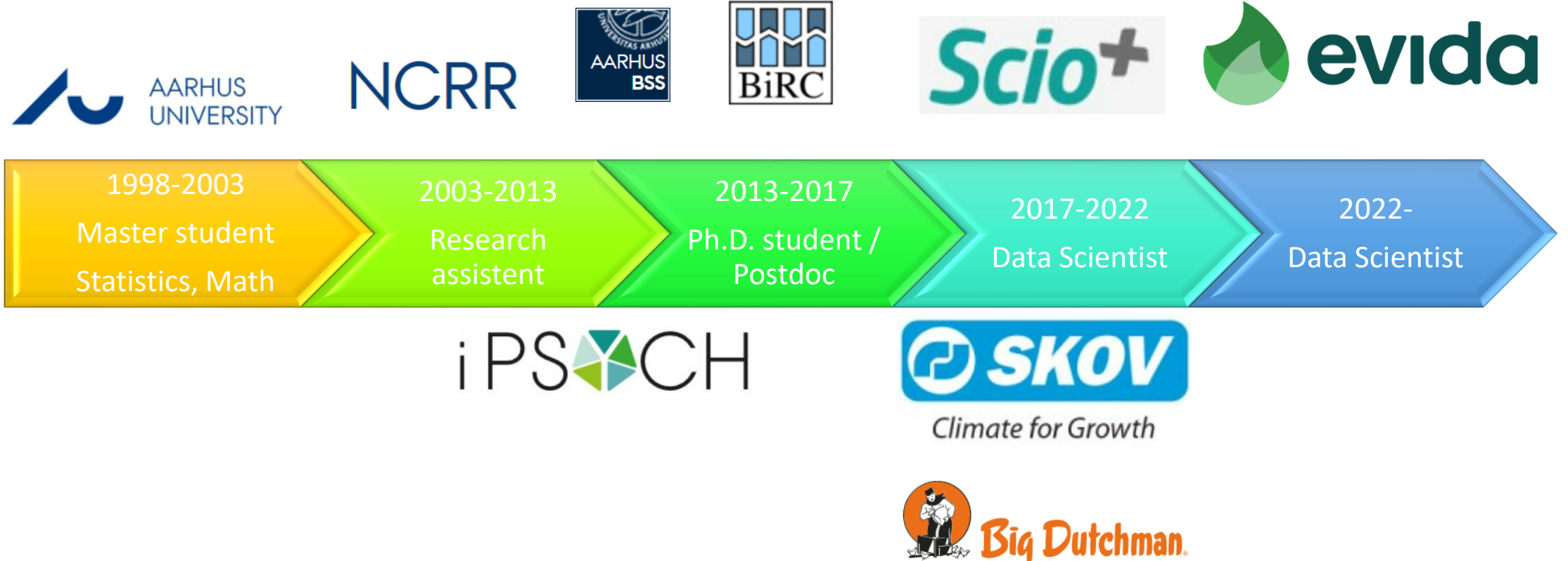
# The jobs of a Data Scientist

# Berit Lindum Waltoft

- Age 45
- Female, She/her
  
- Find me at
  - LinkedIn
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# My career





- The National Centre for Register-based Research
  - Epidemiological studies of schizophrenia, mania, depression, and suicide using the danish registers
- iPSYCH
  - Shed light on the interaction between heredity factors and the environment, which for some people result in them developing a mental disorder
- The Bioinformatics Research Centre
  - Master in bioinformatics
  - Bioinformatics is an interdisciplinary field that develops methods and software tools for understanding biological data

# Research assistant / Ph.D. student (2003 – 2017)

- Data management
- Statistical investigations using the Danish registers
- Collaboration with external physicians og Ph.D. students
  
- Statistical methodology and software
  
- Reading and writing research papers

Make choices

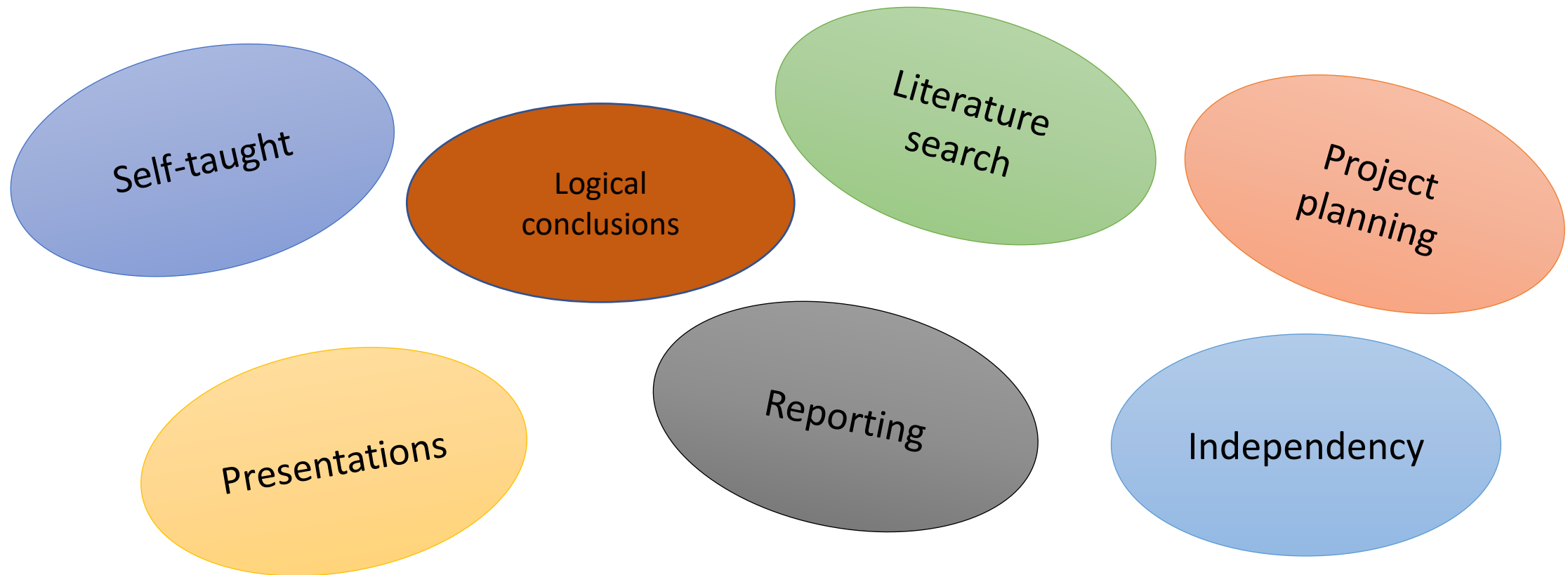
**Nobody is handing you anything!**

**Make active choices in your life.**

**Take responsibility for your own choices.**

# Inspect your learnings

You are learning more than math, physics, chemistry, statistics ....





SKOV is one of the main manufactures of ventilation systems to poultry production

Big Dutchman is one of the main manufactures of feeding and water equipment for poultry production

Scio+ is a brand, but essentially it is the data science department of SKOV and Big Dutchman.

The barn is a closed eco-environment.

Data on feed intake, water intake, temperature, humidity, CO2 levels, ammonia levels, videos of the behavior in the barn, sound etc.

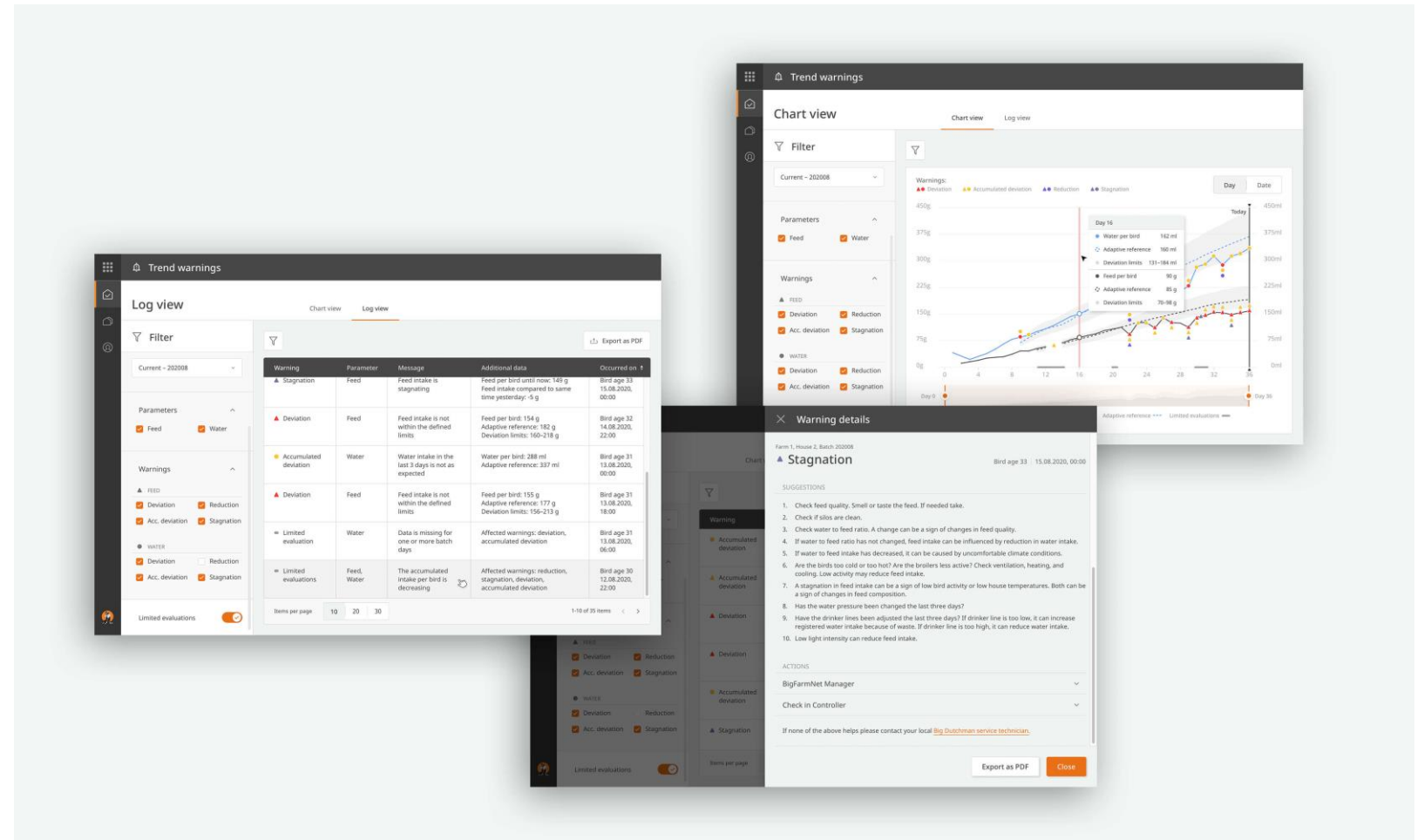




# Scio+ Products

Give warning if production not on track

Predict weight at slaughter



# Data Scientist at Scio+ (2017 – 2022)

- Senior statistician
  - Data manipulation, feature investigations
  - Data validation
  - Model validation and implementation
  - Supervision
- Front-end design
- Back-end and cloud implementations (architect)
- Operations
- Project and team management

# The future at Scio+

## Projects

- Computer vision for tracking, broiler identification, measuring occupancy
- Data storage
- Camera in the cloud

## Job opportunities

- Software back-end developer
- Cloud developer
- Computer vision engineer / data scientist

# Expand your tech stack

Know your abbreviations

- ML, CI, CD, DevOps, MLOps
- testing strategies,
- Clean Code\*

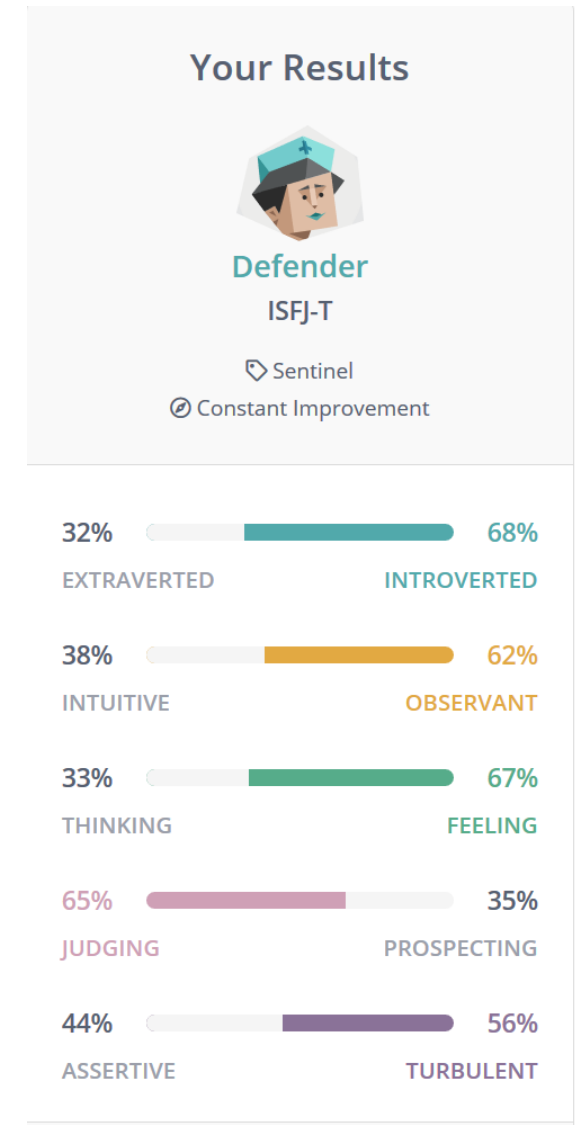
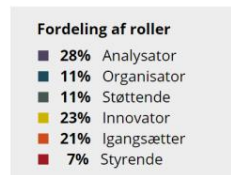
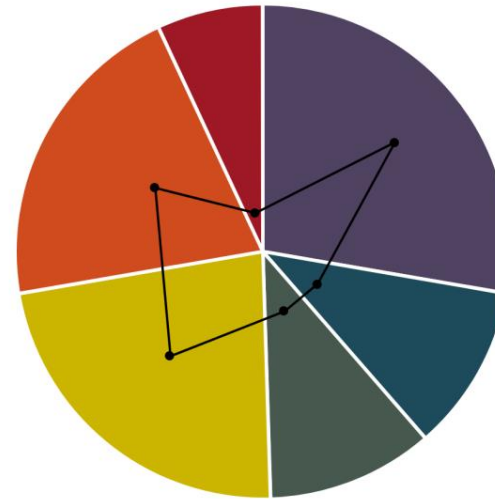


\* Clean Code – A handbook of Agile Software Craftmanship by Robert Martir

# Be appreciated

## Get to know yourself

- Analyze yourself
- Take a personality test
- Know how you relate to other types of personalities
- What do you need to improve on a personal level



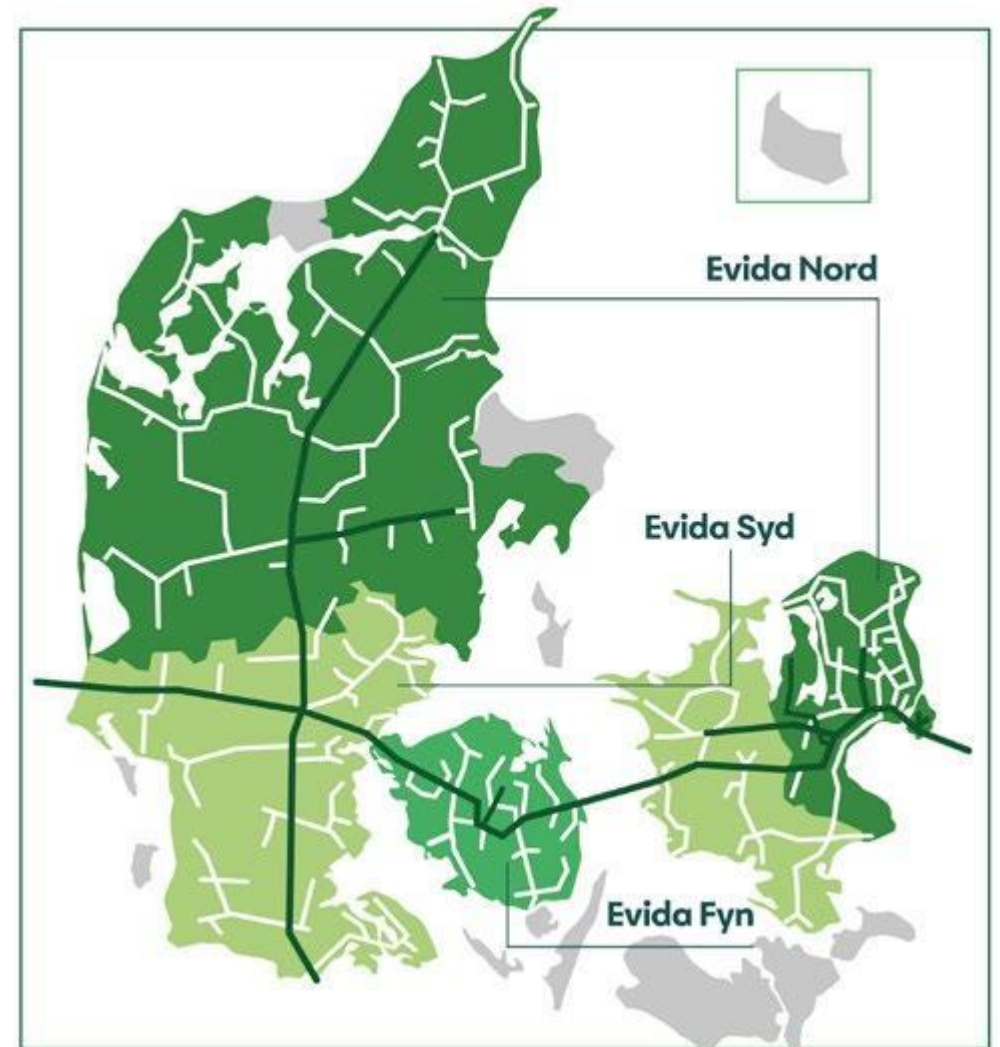


Evida is the gas distribution company in Denmark.

We own all the methane pipes, meters and installations of the distribution net in Denmark.

Evida is the result of a merge of 5 distribution companies in 2019.

Private company 100% owned by the Ministry of Finance



# Evidas main fokus

Make sure the gas is distributed correctly in Denmark.

Collect and validate all gas in/out measurements

- Remotely/manual read meters
- Amount of incoming gas in the net
- Biomethane production
- Provide data to the gas market e.g., suppliers, shippers etc.

Operate all needed hardware

- Installations and meters
- Gas pipes
- Compressors, MR stations



# Data Scientist at Evida (2022 - )

- Building the data foundation in Evida
  - Defining data concepts. Merger of 5 data concepts
  - Implementing rules and ensure compliance
  - Laying the foundation for data driven solutions
- Making Software requirement to a new marked and billing system.
  - Merger of 5 company economies
  - Merger of 5 marked systems for collection and validating data



# The future in Evida

- Always in search of these profiles:
  - Analytic, innovative, initiator, will power
- Future green energy
  - CO2 capturing, Hydrogen, Biomethane
- Research in
  - Gas compositions, hardware for different gas types,
  - forecasting of usage, data driven product development, predictive maintenance

<https://evida.dk/job>

# Have fun

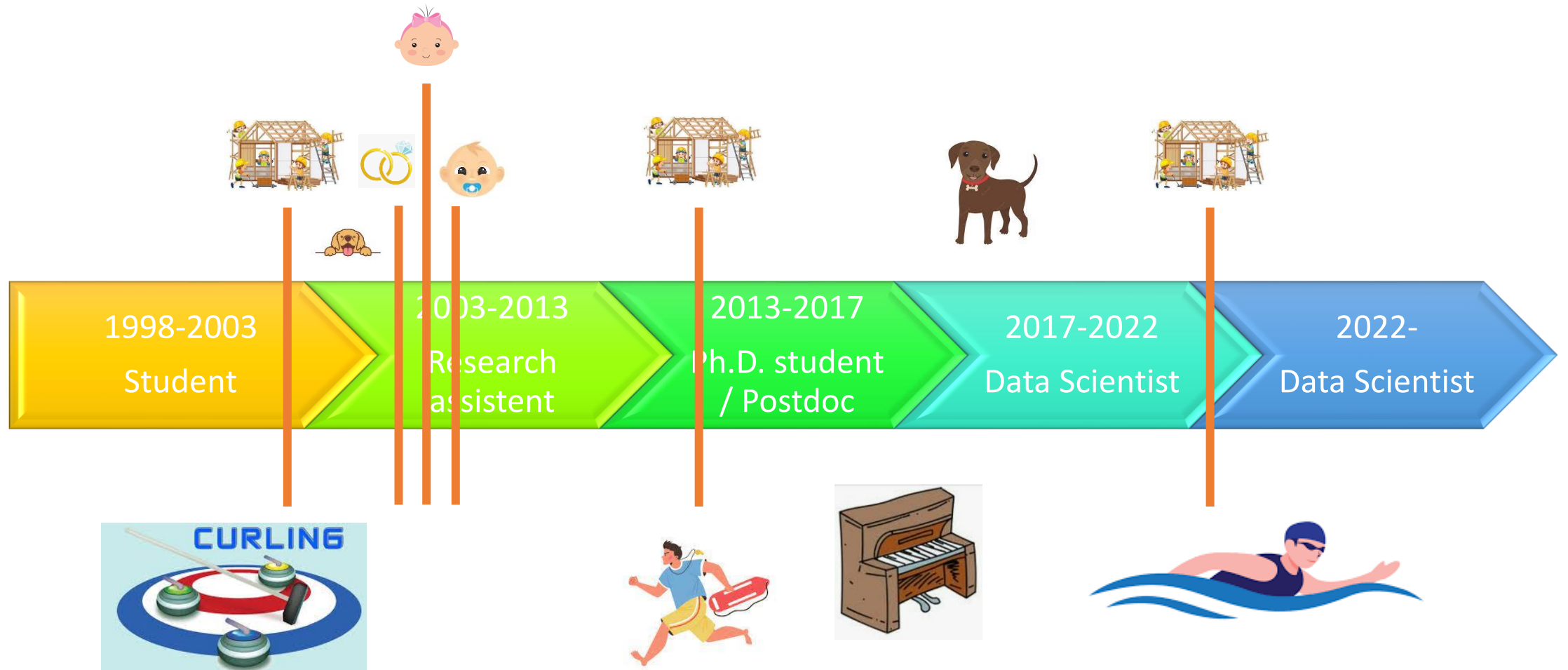
At least most of the time

Good colleagues are not enough.

You should feel energized at your work.

Tired, but energized.

# Have a private self



# Points

Make active choices

Investigate your learnings

Expand your tech stack

Be appreciated, get to know yourself

Have fun

Have a private self

**Thank  
you**