

ANDERS BOECK JENSEN & KIRSTINE BELLING
Data Science
Development
Denmark

Træk virksomhederne ind i undervisningen

Tina Christiansen
Corporate Vice President
Biostatistics, Novo Nordisk



Data Science

- at a glance

COMMUNITY OF PROFESSIONALS

- Automation Engineers
- Biostatisticians
- Computational Biologists
- Data Engineers
- Statistical Programmers
- Epidemiologists
- Machine Learning Scientists
- Data Managers
- Pharmacologists
- ... and many others!

Unlocking and driving value for patients, society and Novo Nordisk through data science



~900 colleagues

Creating the right data foundation and applying world-class analytics to transform data into business opportunities



DATA | ANALYTICS | PEOPLE



50/50

%

male/female

Novo Nordisk is a global healthcare leader powered by data, analytics and digital technologies



31 nationalities

CURRENT FOCUS

Faster and smarter product development by more *automation* and, *real time* data analytics

Increased insights and value of assets by modelling & simulation informed R&D + analytics across multiple data sources

Enable Precision Health through omics, imaging, digital biomarker data analyses

Ensure the right capabilities and culture and get access to best-in-class talents



Automation

Data infrastructure



(Generative) AI / Machine learning

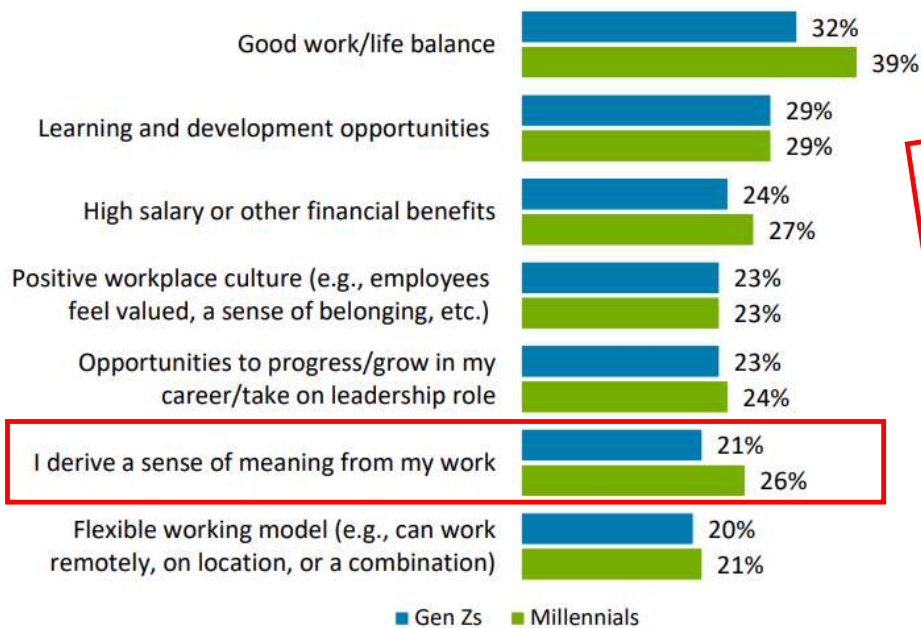
Outstanding workplace

[Welcome to Data Science - Novo Nordisk](#)

A few take aways from the Deloitte Global 2022 Gen Z & Millennial Survey

When it comes to attracting Gen Zs and millennials, getting the basics right comes first, but businesses' impact on society and the planet cannot be discounted.

Top reasons respondents chose to work for their current organization:



Purpose is also critical. Gen Zs and millennials are willing to turn down jobs and assignments which don't align with their values. This is particularly true among Gen Zs and millennials in leadership positions.

Gen Z is the first true digital native generation...

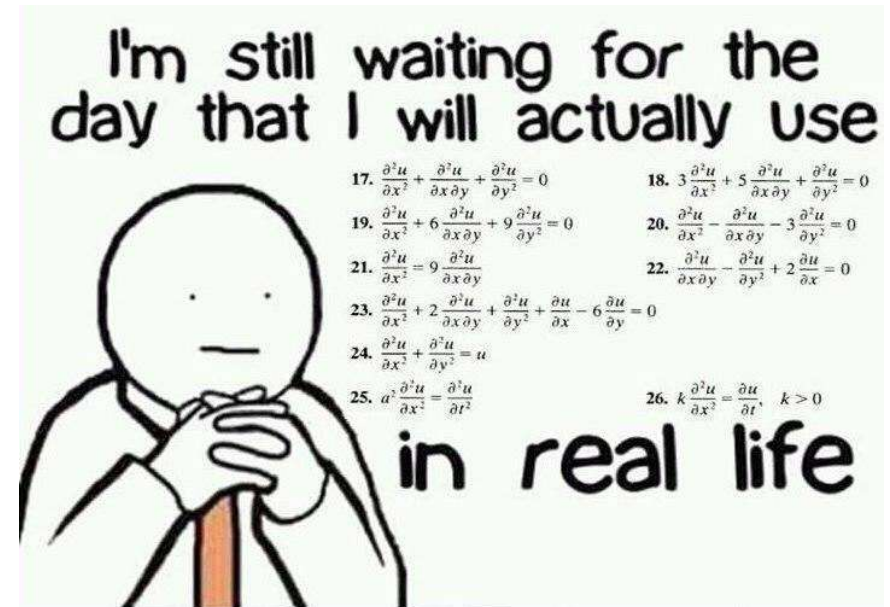
Many (threats and) opportunities

- Climate changes
 - Lifestyle and health
 - Societal and economical issues
 - Communication
 - Transportation
 - ...and many more
- New methods & technology within the field of data science
 - (Generative) Artificial Intelligence
 - Virtual & Augmented Reality
 - Cloud Computing
 - Quantum Computing
 - ...and many more

**Natural sciences and mathematics
essential to solve for the future**

“I derive a sense of meaning from my work”

- Motivate students by linking to real life examples
- Use the material and videos from this project
- Visit different industries & companies
- Take advantage of the students digital skillset
- Help derive purpose for Gen Z – link to the big dilemma’s of today and the future
- Explain the many diverse opportunities
- Emphasize that you in most industries work in cross-functional teams
- Highlight the positive career outlook



Make mathematics fun !

