EMIL NIKKI MALTA

Skilled data consultant with formal background in molecular biology and bioinformatics. Extensive experience with numerous statistical programming languages, such as SAS, R, SQL, Python etc.

Proven expertise in data management, statistical analysis and visualisation. Strong focus on demographics and population health using healthcare registers and large datasets. Passionate about contributing to impactful research, that develops understanding of population health, informs decision making, and drives meaningful improvements in healthcare and society.

💻 EXPERIENCE

Present | 2022 (feb)

Data Consultant
Region Midtjylland - Indkøb & Medicoteknik   📍 Aarhus, Denmark

· Delivered high-quality analytical tools and pipelines for healthcare procurement processes.

· Collaborated with interdisciplinary teams to measure environmental impact of healthcare logistics and procurement.

2021 (jul) | 2018 (sep)

Statistics officer
Statistics Greenland   📍 Nuuk, Greenland

· Statistical programming and maintenance for national registers (including healthcare) using SAS.

· Development of internal R package to streamline workflows.

· Managed development of hospital activity data, providing tangible insights for use in Greenlandic healthcare.

· Ensured data quality, preparing data for publication in national registers for a number of uses, including policy recommendations.

2021 (oct) | 2021 (aug)

Data Scientist
Danish Pig Genetics P/S   📍 Vejle, Denmark

· Statistical programming to maintain and analyze genetic datasets. Focus on computational efficiency and business intelligence reporting.

2018 (fall) | 2016 (spring)

Teaching Assistant
Aarhus University   📍 Aarhus, Denmark

· Taught Philosophy and Ethics of Science for Molecular Biology, Biology, and Chemistry.

2015 (dec) | 2015 (aug)

Mentor
Det Grønlandske Hus   📍 Aarhus, Denmark

· Employed as personal mentor for first year student in Molecular Biology.

CONTACT

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⊙ github.com/emilmalta
in linkedin.com/in/emilmalta

LANGUAGES

Danish (Native Speaker)
English (Strong)
Greenlandic (Native Speaker)

PROGRAMMING

R
SAS
SQL
Python
Bash
git

🎓 EDUCATION

2018 | 2016

Cand. Scient. Bioinformatics
Aarhus University

📍 Aarhus, Denmark

- Focus on statistical learning methods for prediction (classification and regression).
- Thesis: "Statistical Inferences of Fingerprint residue". Prediction of fingerprint age from spectrometry data, using regression models.
- Grade: 10

2016 | 2013

Bac. Scient. Molecular Biology
Aarhus University

📍 Aarhus, Denmark

- Minor in bioinformatics. Focus on genetic epidemiology.
- Thesis: "SNPs located in the Human EDAR and ABCC11 genes show clear signs of regional positive selection". Selection study.
- Grade: 12

KEY SKILLS

Statistical programming SAS (Advanced), R (expert), SQL (near expert), Python (intermediate).

Statistical modeling Regression models (logistic, ridge, LASSO etc.), Survival Analysis, Classification trees, Bootstrapping, PCA, Clustering, SVMs, etc.

Data Management Large-scale databases, national statistics, healthcare registers.

Data Visualisation ggplot2 (expert), Tableau (expert), Plotly (intermediate), Seaborn (intermediate)

Domain knowledge Genetic epidemiology, sustainability in healthcare, bioinformatics.

PERSONAL

Part of my free time is spent playing guitar and piano. I run 4 times a week, and am currently training for a half-marathon.

You will know me as an extrovert colleague, who values good relations. Very good at sharing knowledge and experience. Good at managing own tasks.

I am 35 years old, living in Mørke on Djursland. Born and raised in Greenland. Married to Astrid Helena, with whom I have 2 kids. On paternity leave at the time of writing, until end of January.