

Simen Roko Krogstie

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GitHub: <https://github.com/SimenKrogstie>



Key Qualifications

Fourth-year master's student in data science with a specialization in geoinformatics at NMBU. Experience in machine learning, deep learning, image analysis, spatial analysis, and automation of GIS processes.

Technical Skills

ML/DL: scikit-learn, TensorFlow, PyTorch

Data analysis/visualization: Pandas, GeoPandas, Seaborn,

Programming languages: Python, SQL

GIS & spatial tools: QGIS, OSMnx, Folium, Contextily

Projects

Urban Mobility and Building Indicators (Oslo)

- Analyzed relationships between city bike usage, land-use structure, and building types in Ullern and Grünerløkka
- Developed spatial indicators for mobility and building structure
- Data processing and spatial joins of bike trip data, district boundaries, and OSM buildings
- Visualization of results using timeseries, indicator plots, and an interactive Folium map
- GitHub: <https://github.com/SimenKrogstie/UrbanMobility>

Education

08.2022 – 06.2027 **M.sc. data science, specialization in geoinformatics**
Norwegian University of Life Sciences (NMBU)

01.2026 – 05.2026 **Exchange student in data science and geoinformatics courses**
Wageningen University & Research (WUR), Nederland

Work Experience

09.2025 – 12.2025 **Teaching Assistant – MLA210 Machine Learning With Examples From Technology and Finance,**
Supervision of students in machine learning and grading of mandatory assignments.

06.2024 – 09.2025 **Banking Advisor, part-time,** Grue Sparebank
Assisting customers with daily banking services, reviewing KYC forms and following up on cases.

08.2019 – 07.2021 **Laboratory Assistant,** Solør VGS Soil and Water Laboratory
Analysis of soil samples. Extraction of plant nutrients, pH determination, and spectrophotometric measurements.

Previous summer jobs: Forestry work and cleaning services in Våler- og Åsnes municipalities.

Volunteering

05.2025 – d.d. **Head of Events,** Samfunnet i Ås
Overall responsibility for events, staff coordination, and reporting.

11.2023 – 05.2025 **Head of Security,** Samfunnet i Ås
Responsibility for safety and operations during events.

09.2022 – 11.2023 **Security staff,** Samfunnet i Ås

Languages

Norwegian – Native

English – Fluent, written and spoken

Interests

In my free time, I enjoy being outdoors, ranging from running to hiking in the mountains both in summer and winter.