EMMA SKARSTEIN

Passionate about science communication, data visualization and transparent research. Solid background in mathematics and statistical research.

🎓 EDUCATION

current | 2020

PhD candidate
Norwegian University of Science and Technology 📍 Trondheim, Norway
Measurement error and missing data in explanatory variables. Bayesian modelling using integrated nested Laplace approximation (INLA).

2020 | 2018

M.S. in Mathematical Sciences
Norwegian University of Science and Technology 📍 Trondheim, Norway
Thesis: *Accounting for spatial bias in citizen science observations of Norwegian freshwater fish by using an effort spatial field*

2018 | 2015

B.S. in Mathematical Sciences
Norwegian University of Science and Technology 📍 Trondheim, Norway
Thesis: *The EM algorithm and some applications in population genetics*

💻 WORK EXPERIENCE

2019 fall

Teaching assistant
Norwegian University of Science and Technology 📍 Trondheim, Norway
Teaching assistant in the course ST1201 Statistical Methods. Full responsibility for exercise sessions and grading of mandatory exercises for 40 students.

2019 | 2018

Accountant
Effektiv Altruisme Norge 📍 Oslo, Norway (remote)
Responsible for payroll of up to 7 employees, as well as all regular routines related to finance and accounting in a charitable organization.

2018 fall

Teaching assistant
Norwegian University of Science and Technology 📍 Trondheim, Norway
Teaching assistant in the course ST1201 Statistical Methods. Responsible for weekly exercise session.

2018 summer

Research assistant
Aalto University 📍 Helsinki, Finland
Helped develop an algorithm for automated brain stimulation. Acknowledged in Tervo et al. (2020).

CONTACT INFO

✉ emma@skarstein.no
📱 +47 47641800

SEE MY WORK

🏠 emmaskarstein.github.io
Homepage and blog, with a selection of work and posts.

 github/emmaSkarstein
Code and projects, for example my TidyTuesday contributions and various visualization projects.

ⓘ 0000-0002-6347-855X
Published academic articles.

I made this resume in R with the package pagedown.

My source code is available here.

Last updated on 2023-07-05.

📄 SELECTED PUBLICATIONS

2022 ● Insights into the quantification and reporting of model-related uncertainty across different disciplines
iScience
Simmonds, E.G. et al.

🤝 VOLUNTEER EXPERIENCE

current | 2020 ● Representative for temporary employees, statistics group
Department of Mathematical sciences, NTNU
Represented temp. employees in administrative and organizational matters, organized social activities in the statistics group.

2019 | 2018 ● Treasurer
Trondheim Student Garden
Full responsibility for the finances of the student garden. Initiated a collaboration with Moholt student kindergarten.

2018 | 2017 ● Head of board
Effektiv Altruisme NTNU
Student organization with a goal of streamlining the foreign aid sector and providing new knowledge to students regarding career choices for a better world. 30 active members.

✅ COURSES

2022 ● NTNU's Research leadership course

Held by Lars Christian Lassen, Mobilize Strategy Consulting. 2-day course targeted at PhD-candidates, designed develop an understanding of leadership in a research context.

2018 ● LAOS teaching assistant course, NTNU

SKILLS

</> PROGRAMMING | R, Python, Matlab, C++, CSS (basic), GitHub

🎓 R-PACKAGES | ggplot2, tidyverse

📖 LITERATE CODING | LaTeX, R markdown, Xaringan slides, Quarto

💼 MICROSOFT OFFICE | Word, PowerPoint, Excel, Outlook, Teams

🖥 GOOGLE | Drive, Docs, Sheets, Forms

🌐 LANGUAGES | English (native), Norwegian (native), French (B1), Chinese (A1)

GRAPHICAL WORK

📊 TidyTuesday Contributions | 10+ visualizations of data from the TidyTuesday project.

👑 British Monarchs | The lifespans of the last monarchs of Britain and England.

🖼 Missing data in INLA | Award winning conference poster, based on a poster for the movie Psycho (1960).

R PACKAGES

🔌 power.usage.analysis | Explore and analyze personal power consumption data from Elhub.no.