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 | 2018

Accountant
Effektiv Altruisme Norge   📍 Oslo, Norway (Remote)

Responsible for payroll of at most 7 employees, as well as all regular routines related to finance and accounting in a charitable organization.

2018 (summer)

Research assistant
Aalto University   📍 Helsinki, Finland

Helped develop an algorithm for automated brain stimulation. Acknowledged in Tervo et al. (2020).

📄 SELECTED PUBLICATIONS AND POSTERS

2022

How is model-related uncertainty quantified and reported in different disciplines?
Review pending.

Simmonds, E.G. et al.

2022

We show how to handle missing data in INLA by generalizing existing measurement error models.
Award winning poster at 2022 International Society for Bayesian Analysis (ISBA) World Meeting

📍 Montreal, Canada

Skarstein, E., Martino, S., Muff, S.

CONTACT INFO

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⊙ github.com/emmaskarstein

This resume was made in R with the package pagedown.

Source code is available here.

Last updated on 2022-09-14.

⌁ OTHER SELECTED WORK

2022
|
2021

● **TidyTuesday Project Data Visualizations**
10+ visualizations of data from the TidyTuesday project

2020

● **power.usage.analysis**
R-package for exploring and analyzing power consumption data from Elhub.no.

SKILLS

Experienced in statistical analysis, data science, and data visualization.

PROGRAMMING
R, Python, Matlab, C++

R-PACKAGES
`rmarkdown`

`, ggplot2, tidyverse`

RELATED SOFTWARE
Rstudio, GitHub, LaTeX

MICROSOFT OFFICE Word,
PowerPoint, Excel, Outlook,
Teams

GOOGLE Drive, Docs, Sheets,
Forms

LANGUAGES English (native),
Norwegian (native), French
(B1), Chinese (A1), German
(A1)