

# Måns Magnusson, PhD, Docent

Ringvägen 41B  
11863 Stockholm Sverige

Phone: +46 (0)70 588 97 15  
email: [mons.magnusson@gmail.com](mailto:mons.magnusson@gmail.com)

Nationality: Swedish  
ORCID: 0000-0002-0296-2719  
Website: <https://mansmagnusson.com/>  
Google Scholar: <https://scholar.google.se/citations?user=6AA-AAcAAAAJ&hl=sv>

## Current position

2024.08 - **Uppsala University**, Uppsala, Sverige  
Department of Statistics  
*Associate professor*

## Areas of interest

Probabilistic Machine Learning • Bayesian Statistics • Text analysis • Text-as-Data • Computational Social Science • Legal AI

## Working Experience

2024.08 - **Uppsala University**, Uppsala, Sweden  
Department of Statistics  
*Associate Professor*

2020.08 - **Uppsala University**, Uppsala, Sweden  
2024.07  
Department of Statistics  
*Assistant Professor*

2018.08 - **Aalto University**, Helsinki, Finland  
2020.07  
Probabilistic machine learning group  
*Postdoctoral researcher*

2012.10-  
2018.07  
**Linköping University**, Linköping, Sweden  
Statistics and Machine learning lab,  
Department of Computer and Information Science  
*Ph.D. Student in Statistics*

2011.05-  
2012.09  
**Swedish national public health agency**, Stockholm, Sweden  
*Statistician*

2008.05-  
2011.04  
**Swedish agency for crime prevention**, Stockholm, Sweden  
*Statistician*

2007.08-  
2008.04  
**Swedish national agency for education**, Stockholm, Sweden  
*Statistician*

## LEAVE OF ABSENCE

2018.07 **Parental leave**  
2015.08- **Parental leave**  
2016.07

## Expert Assignments

2023.12 - **The Expert Group on Public Economics (ESO)**, The Swedish Ministry of Finance, Stockholm  
*Expert*

2023 - **Svenska Riksdagsdebatter (SweDeb)**, Umeå Universitet, Umeå  
*Referensgruppsledamot*

2021.05 - **Demoskop Advisory Board**, Stockholm  
*Board member*

2019.9 - 2020.9 **The Storytel Academia Council**, Stockholm  
*Board member*

2018.09- **The Royal Library Data Lab**, Stockholm  
2019.03 Member of reference group on The Swedish Royal Library's data lab.

2016.04 **The Swedish National Board of Health and Welfare**, Stockholm  
Methods expert in estimating hidden populations regarding people selling sex.

2014.12- **Swedish agency for crime prevention**, Expert group on recidivism statistics, Stockholm  
2015.03 Methods expert on recidivism statistics and analysis of recidivism.

## Education

2022 DOCENT in Statistics, Uppsala University, Uppsala, Sweden  
2018 PHD in Statistics, Linköping University, Linköping, Sweden  
2012 MSc in Statistics, Stockholm University, Stockholm, Sweden  
2011 MSc in Economic History, Stockholm University, Stockholm, Sweden  
2009 BACHELOR in Statistics, Stockholm University, Stockholm, Sweden

## RESEARCH VISITS

2023.11 AALTO UNIVERSITY, Helsinki, Finland  
2017.04 CENTRAL UNIVERSITY OF ECONOMICS AND FINANCE, Beijing, China.  
2016.08 - CORNELL UNIVERSITY, Ithaca, NY, USA  
2016.12

## Grants

2023 **AI4Research**, Uppsala university  
One year sabbathical

2022 **Esseens Foundation**, Uppsala Sweden,  
*Travel grant*  
Amount: 28kkr

- 2022 **Nuffield Foundation**, United Kingdom,  
*Should I Go to Court? Improving Access to Justice Using Artificial Intelligence*  
 Principal investigator (PI): Felix Steffek, Cambridge University  
 My Role: part of the research group with focus in the machine learning parts Amount: 0.85 full-time-equivalents (FTE) for 2 years
- 2022 **Lars Salviusföreningen**, Sweden,  
*Botten Ada – en ny typ av sammanvägd opinionsmätning baserad på statistisk forskning*  
 Principal investigator (PI): Jens Finnäs, Newsworthy  
 Amount: 0.1m SEK  
 My Role: co-principal investigator working with the statistical models
- 2022 **Vetenskapsrådet (Swedish Research Council)**, Sweden,  
*Swedish Interdisciplinary School in Computational Social Science (SISCSS)*  
 Principal investigator (PI): Jacob Habinek  
 Amount: 3.1m SEK  
 My Role: co-principal investigator/teacher of graduate courses
- 2022 **Vetenskapsrådet (Swedish Research Council)**, Sweden,  
 Establishment grant: Data Science *Improving Probabilistic Programming generalizability*  
 Principal investigator (PI): Måns Magnusson  
 Amount: 3.1m SEK
- 2022 **Riksbankens Jubileumsfond**, Sweden,  
*Swedish Riksdag 1867–2022: An Ecosystem of Linked Open Data*  
 Principal investigator (PI): Dr. Fredrik Norén, Umeå university  
 Amount: 5.3m SEK  
 My Role: co-principal investigator
- 2022 **Länsförsäkringars Forskningsfond**, Sweden,  
*AI-based language models and active learning with application in crime statistics*  
 Principal investigator (PI): Måns Magnusson  
 Amount: 1.5m SEK
- 2020 **Academy of Finland**, Finland,  
*Text-as-Data in Statistics: Theory, Methods and Applications*  
 Main applicant/PI  
 Amount: Three year fully funded postdoctoral research  
 Declined the grant due to acceptance of assistant professorship at Uppsala University
- 2018 **Vetenskapsrådet (Swedish Research Council)**, Sweden,  
*Welfare State Analytics. Text Mining and Modeling Swedish Politics, Media & Culture, 1945-1989*  
 Main applicant: prof. Pelle Snickars, Umeå university  
 Amount: 22.6m SEK  
 My Role: 25% funded as for research in Probabilistic models for textual data.
- 2018 **Vetenskapsrådet (Swedish Research Council)**, Sweden,  
*Mining for meaning: The dynamic of the public migration discourse*  
 Main applicant: assoc. prof. Marc Keuchnigg, Linköping university  
 Amount: 17.6m SEK  
 My Role: 40% funded as for research in Probabilistic models for textual data.
- 2016 **Vinnova**, Sweden, VINN verifikation 2016-02141 Marple: The Story Sniffer, together with Jens Finnäs, J++ Stockholm

Funding on work with digital watchdogging using statistical methods

Amount: *Up to € 200 000, but only used a small part*

My Role: Co-PI, Responsible for the automated data analysis

2016

**Diskrimineringsombudsmannen**, Sweden ,

together with Karim Jebari, Institute for Future studies, Stockholm

Study possibilities of equality statistics

*€ 80 000*

My Role: Co-PI, Statistician in the project

2016

**Google digital news initiative**

Marple: The Story Sniffer, together with Jens Finnäs, J++ Stockholm

Funding on work with digital watchdogging using statistical methods

Amount: *€ 50 000*

My Role: Co-PI, Responsible for the automated data analysis

## Honors

2024

**ELLIS - the European Laboratory for Learning and Intelligent Systems**

Member

2024

**Sweden-Korea education, research, innovation collaboration**

The Science Diplomacy Academy Programme - Academic programme for future scientific leaders

2023

**The Swedish Young Academy**

Academy Member

2023

**Statistician of the year 2022**, Statistikfrämjandet, joint with Jens Finnäs and Jonas Wallin

*Motivation:* This year's statistics promoters are a group of statisticians and data journalists whose advanced statistical model has shown accurate forecasts ahead of the 2022 parliamentary election. The model is based on a weighting of the last 20 years' opinion polls and election results, and uses a Bayesian model in combination with computer-intensive methods to answer the question "Who would win the parliamentary election if there were an election today?"

Their method has attracted a lot of attention and is a good example of how advanced statistics can contribute to the benefit of society.

2020

**Top 33% of ICML reviewers**

2020

**Best News site of the year 2020**

Newsworthy was awarded top 5 best news agencies in Sweden by IDG.se

2020

**Best Journalistic Take 2020**

Newsworthy was shortlisted for the work with Sveriges Natur – Klimatprognosen by Sveriges Tidsskrifter

2019

**The Cramér Prize for best thesis in Statistics, defended in Sweden 2018**

The most prestigious PhD prize in Statistics in Sweden

2018

**Top 10% of NIPS reviewers**

2018

**Data Journalism Awards**

Newsworthy was shortlisted for *The JSK Fellowships award for innovation in data journalism*

## Service to the profession

### REVIEWING

- 2024 *Digital Parliamentary Data in Action (DiPaDA 2024)*  
*Nature Humanities and Social Sciences Communications*  
*Annals of Applied Statistics*  
*NeurIPS Dataset and Benchmarks*  
*Law, Probability & Risk*
- 2023 *Law, Probability & Risk*  
*Annals of Applied Statistics*  
*Journal of Computational and Graphical Statistics*
- 2022 *Computational Statistics*  
*Workshop: Digital Parliamentary Data in Action*
- 2021 *ICML 2021*  
*NeurIPS 2021*  
*EMNLP 2021*  
*AISTATS 2022*  
*Journal of Digital Social Research*
- 2020 *ICML 2020*  
*NeurIPS 2020*  
*EMNLP 2020*  
*Mathematical Psychology*
- 2019 *NeurIPS 2019*  
*AISTATS 2020*  
*ICML 2019*  
*Sage Open*  
*IEEE Signal Processing Letters*
- 2018 *NeurIPS 2018 (Awarded top 10% best reviewer)*  
*Econometrics and Statistics*  
*Law, Probability & Risk*

### ORGANIZATIONS

- 2021 - *Stan*  
Developer

### CONFERENCES AND EVENTS

- 2024 **Interdisciplinary workshop on Applied Bayesian Data Analysis with Stan**  
Uppsala University University  
Organization committe
- 2024 **Swedish Conference on Computational Social Science**  
Uppsala University  
Organization committe

- 2023 **Co-Organizer**  
Uppsala University, CLARIN-ERIC, Malmö University and The Swedish Parliament  
Workshop on current research on the Swedish parliamentary proceedings
- 2022 **Program committee member**  
Workshop: Digital Parliamentary Data in Action
- 2019 **Workshop on Computational text analysis in the Social Sciences**  
Linköping University  
Organization committee
- 2018 **StanCon Helsinki**  
Aalto University  
Organization committee
- 2017 **First Topic Model Symposium in Sweden**  
The Royal Library of Sweden  
Main organizer  
40 attendees
- 2012-2016 **Stockholm R useR group**  
Main organizer, founder  
1000 members  
20 meetups

#### EDUCATIONAL ADMINISTRATIVE DUTIES

- 2024 - **Leadership Board for the Excellence centre in Computational Social Science, Linköping University**  
Board member
- 2019 - **Board for Masters Program in Computational Social Science, Linköping University**  
Board member with focus on Statistics
- 2021 - 2022 **Development group for the Masters Program in Statistics, Uppsala University**
- 2019,2020 **Masters program in Machine Learning and Data Mining (Macadamia), Aalto University**  
Screened international applicants to Aalto university's largest masters program
- 2015-2016 **Computer Science Programming Didactic group, Linköping University**  
Joint discussion on general programming didactics at Linköping University