

Måns Magnusson, PhD, Docent

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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- **Linköping University**, Linköping, Sweden
2018.07 *Ph.D. Student in Statistics*

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

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

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

LEAVE OF ABSENCE

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

AFFILIATIONS

2025.06 - **Institute for Future Studies**, Stockholm, Sweden
2018.08 - **Institute for Analytical Sociology**, Linköping University, Sweden

Expert Assignments

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

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

2023.12 - **The Expert Group on Public Economics (ESO)**, The Swedish Ministry of Finance, Stockholm
2024.12 *Expert*

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

2025

- Uppsala University infrastructure grant**, Uppsala university
Volume G: Linking Swedish Parliamentary proceedings
Principal investigator (PI) Amount: 200 kSEK (over 2 years)
- 2025 **Uppsala University infrastructure grant**, Uppsala university
posteriorodb: testing and developing Bayesian inference algorithms
Principal investigator (PI) Amount: 200 kSEK (over 2 years)
- 2024 **CIRCUS Research Network grant**, Uppsala university
An interdisciplinary network for Bayesian Statistics and Stan
Principal investigator (PI)
Amount: 200 kSEK (over 2 years)
- 2024 **FORTE**, Uppsala university
Asylum Decision Research Infrastructure (ADRI): Developing AI and metadata to establish and provide access to a comprehensive research corpus for analyzing Swedish Migration Agency decisions
Principal investigator (PI): Anna Sarkadi, Uppsala University University
My Role: part of the research group with focus on data curation aspects Amount: 1.999 mSEK (over 1-2 years)
- 2024 **Vetenskapsrådet (Swedish Research Council)**, Uppsala university
Patterns of Opposition in an Era of Democratic Decline: A Longitudinal Study of Oppositional Behaviour in Twelve Legislatures
Principal investigator (PI): Christer Karlsson, Uppsala University University
My Role: part of the research group with focus in the machine learning and textual analysis
Amount: 5.091 mSEK (over 3 years)
- 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 **Länsförsäkrings 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

2023-

2023-	The Swedish Young Academy Academy Leadership Board Member Academy Member
2024-2026	RiFo - Sällskapet riksdagsledamöter och forskare
2025	Board member
2024	Deputy Board Member
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	Statistician of the year 2022 , Statistikfrämjandet, joint with Jens Finnäs and Jonas Wallin <i>Motivation:</i> 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 <i>The JSK Fellowships award for innovation in data journalism</i>

Service to the profession

REVIEWING

2025	<i>Law, Probability & Risk</i> <i>NeurIPS 2025</i> <i>EMNLP 2025</i> <i>Political Analysis</i>
2024	<i>Digital Parliamentary Data in Action (DiPaDA 2024)</i> <i>Nature Humanities and Social Sciences Communications</i> <i>Annals of Applied Statistics</i> <i>NeurIPS Dataset and Benchmarks</i> <i>Law, Probability & Risk</i>
2023	<i>Law, Probability & Risk</i> <i>Annals of Applied Statistics</i>

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

GRADING COMMITTEE

2024.10 *Amanda Olmin*, Linköping University
Perspectives on Predictive and Annotation Uncertainty in Probabilistic Machine Learning

ORGANIZATIONS

2021 - *Stan*
Developer

CONFERENCES AND EVENTS

2025.04.02 **Organizer**
Uppsala University, CIRCUS
Bayesian Matchmaking

2024 **Co-Organizer**
Uppsala University, Malmö University and The Swedish Parliament
Workshop on current research on the Swedish parliamentary proceedings

2024 **Workshop on Computational Social Science and Natural Language Processing**
SLTC 2024 | Swedish Language Technology Conference
Organization committee

2024 **Interdisciplinary workshop on Applied Bayesian Data Analysis with Stan**
Uppsala University
Organization committee

- 2024 **Swedish Conference on Computational Social Science**
Uppsala University
Organization committee
- 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