Paulina Jonéus
Curriculum vitae

CONTACT INFORMATION

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OBJECTIVE

My main research interests are in statistics and causal inference, focusing on statistical methods in health economics and medical research. In addition, I am particularly interested in study designs, observational studies, time series modelling, and machine learning methods.

EDUCATION

2017–   Ph. D. student, Uppsala University, Department of Statistics
          Dissertation topic: *Methods in Causal Inferences*.
          Advisors: Mattias Nordin (main) and Per Johansson.
          On parental leave for a total of 10 months in 2021-2022.
2015   M. Sc., Statistics, Uppsala University
2013   B. Sc., Statistics, Uppsala University
2013   B. Sc., Economics, Uppsala University

PROFESSIONAL EXPERIENCE

2016–2017   Desk officer at the Ministry of Finance, Stockholm
2015-2016   Statistician at Statistics Sweden, Stockholm

PUBLICATIONS

2021   Study protocol for a comparative effectiveness evaluation of abiraterone acetate against enzalutamide: a longitudinal study based on Swedish administrative registers, *BMJ Open, BMJ*, doi.org/10.1136/bmjopen-2021-052610 (with Johansson P., and Langenskiöld S.)
2021   A Study Protocol for an Instrumental Variables Analysis of the Comparative Effectiveness of two Prostate Cancer Drugs, arXiv:2110.04164 (with Johansson P., and Langenskiöld S.)
2021   A study protocol for a comparative effectiveness evaluation of antiandrogenic medications against Standard of Care, arXiv:2110.02698 (with Johansson P., and Langenskiöld S.)
2021   Simulation smoothing for nowcasting with large mixed-frequency VARs, *Econometrics and Statistics*, doi.org/10.1016/j.ecosta.2020.05.007 (with Ankargren S.)
2019   Estimating Large Mixed-Frequency Bayesian VAR Models, arXiv:1912.02231 (with Ankargren S.)

MANUSCRIPTS IN SUBMISSION

The deregulation of the Queensland electricity market and a smooth transition duration model, diva2:1552475 (with Lyhagen, J.)

MANUSCRIPTS IN PREPARATION

Causal Inferences and Real-World Evidence: A comparative effectiveness evaluation of abiraterone acetate against enzalutamide (with Johansson P., and Langenskiöld S.)

Docetaxel versus New Hormonal treatment – a registry based comparative effectiveness evaluation for mCRPC-patients (with Johansson P., and Langenskiöld S.)

Machine Learning Methods and EHR Data – A matching strategy

PROJECTS

2018– Part of a methodological project funded by The Swedish Dental and Pharmaceutical Benefits Agency (TLV). The objective is to serve as a template of how to use the Swedish administrative population registries and quality registers in conducting comparative effectiveness evaluations of interventions

PRESENTATIONS AND OTHER ACTIVITIES

Presentations and department talks
2022   Dept. of Statistics (UU)
2021   Dept. of Statistics (UU)
2019   CMStatistics (London, UK); Dept. of Statistics (UU); UppUpp (UU and SLU)
2018   Dept. of Statistics (UU)

Participation
2019   Three-day course with Professor Guido W. Imbens: Methods in causal inferences for health economics and medical research, HEFUU, Uppsala
2017   CMStatistics (London, UK)
2017   Women in Statistics and Data Science (San Diego, USA)

DEPARTMENTAL SERVICE

Member of the committee of equality, Department of Statistics, 2018-2021
Board member, Department of Statistics (student representative), 2014-2015

TEACHING EXPERIENCE

2021   Academic Teacher Training Course, Uppsala University

2017–2022   Ph. D. student with teaching duties (20 %), Uppsala University, Department of Statistics and Department of Informatics and Media
2013–2015   Teaching assistant, Uppsala University, Department of Statistics

Course director and instructor

Introductory Statistics (2022)

Instructor and teaching assistant

Probability theory (2018-2021)
Introductory Statistics (2018)
Time Series Econometrics (2018)
Time Series Analysis (2017-2018)
Econometrics (2017-2018)
Applied statistical methods (2017-2018)

Supervisor

1 bachelor thesis (2019)

COMPUTER SKILLS

Programming
R, Python, SAS, Stata, MATLAB, LaTeX

LANGUAGES

Swedish (native)
English (fluent)

REFERENCES

References available upon request