

Introduction

I am a Ph.D. student with a passion for health data and statistical analyses that have an impact on people's health and well-being. During my bachelor studies in social science, I developed my interest in population-based health research. In my master studies, I focused more specifically on clinical epidemiological research, due to my interest in the application of complex survival models. Currently, I am working as a Ph.D. student and statistician in the field of lymphoma epidemiology.

Curriculum Vitae

Working experience

04/2021 - ongoing **Statistician**, Karolinska Institutet, Division of Clinical Epidemiology, Department of Medicine Solna

Statistical consulting for internal and external research projects. Database management for the Swedish LymphomaBaSe linkage including checking, cleaning, preparing and distributing data for research projects involving data from LymphomaBaSe.

Academic Education

09/2020 - ongoing **Ph.D. Student in Medical Science**, Karolinska Institutet, Division of Clinical Epidemiology, Department of Medicine Solna

Thesis topic: Development and application of modern statistical methods for studies of childbearing among lymphoma survivors (main supervisor: Dr. Sandra Eloranta)

Focus:

- Biostatistics, especially survival analysis
- Causal inference
- Reproducibility in research
- Lymphoma research

09/2018 - 06/2020 **Public Health Epidemiology (M.Med.Sc.)**, Karolinska Institutet
Grade: 102.5 CP passed with distinction, 17.5 CP passed

Master thesis: The association between sarcoidosis and type 2 diabetes mellitus stratified by corticosteroid treatment at sarcoidosis diagnosis: a registry-based matched cohort study (main supervisor: Dr. Elizabeth Arkema)

04/2015 - 05/2018 **Social Science (B.A.)**, Ruhr-University Bochum, Germany
Grade: 1.2 (Passed with distinction, best graduated student in 2018)

Bachelor thesis: Economic, social, cultural capital and disease. An empiric examination of Cockerham's Health Lifestyle Theory based on Data of the ALLBUS 2014 (main supervisor: Prof. Dr. Cornelia Weins)

Scholarships/Awards

08/2023	Student Prize for Best Conference Abstract , International Society of Clinical Biostatistics (ISCB)
09/2021	Price for Best Master Thesis , German Association for Medical Informatics, Biometry and Epidemiology (GMDS) e. V.
09/2019 - 06/2020	Scholarship Holder , German Academic Exchange Service (DAAD) Merit-based scholarship
04/2016 - 06/2020	Scholarship Holder , Friederich-Ebert-Foundation Merit-based scholarship

Software

JointFPM, An R-package implementing flexible parametric model for estimating the mean number of events in the presence of competing risks. Available on CRAN.

TreeMineR, An R-package implementing tree-based scan statistics, e.g., for identifying disease clusters along the ICD-10 tree. Available on GitHub.

ExclusionTable, An R-package that helps creating counting the number of individuals included or excluded from a study population. Available on CRAN.

IT-Knowledge

8 years of experience	MS Office
6 years of experience	R, \LaTeX
4 years of experience	Stata, Git, GNU Make
Basic knowledge	SAS, C++, Python

Languages

German: Native Speaker
English: C1 CEFR
Swedish: B2 CEFR

Interests

Hiking, rowing, equestrian vaulting, cinema, *R*

Publications

- [1] **Joshua P. Entrop**, Caroline E. Weibull, Karin E. Smedby, Lasse H. Jakobsen, Andreas K. Øvlisen, Daniel Molin, Ingrid Glimelius, Anna Marklund, Harald Holte, Alexander Fosså, Knut B. Smeland, Tarec C. El-Galaly, and Sandra Eloranta. “Reproduction patterns among classical Hodgkin lymphoma survivors treated with BEACOPP and ABVD in Sweden, Denmark and Norway - A population-based matched cohort study”. In: *International Journal of Cancer* 153.4 (Apr. 2023), pp. 723–731. DOI: 10.1002/ijc.34552.
- [2] **Joshua P. Entrop**, Caroline E. Weibull, Karin E. Smedby, Lasse H. Jakobsen, Andreas K. Øvlisen, Ingrid Glimelius, Anna Marklund, Thomas S. Larsen, Harald Holte, Alexander Fosså, Knut B. Smeland, Tarec C. El-Galaly, and Sandra Eloranta. “Reproduction patterns among non-Hodgkin lymphoma survivors by subtype in Sweden, Denmark and Norway: A population-based matched cohort study”. In: *British Journal of Haematology* 202.4 (June 2023), pp. 785–795. DOI: 10.1111/bjh.18938.
- [3] Mats Jerkeman, Sara Ekberg, Ingrid Glimelius, Alexandra Albertsson-Lindblad, **Joshua P. Entrop**, Fredrik Ellin, Kristina Sonnevli, Catharina Lewerin, Lena Brandefors, and Karin E. Smedby. “Nationwide Assessment of Patient Trajectories in Mantle Cell Lymphoma: The Swedish MCLcomplete Project”. In: *HemaSphere* 7.8 (July 2023), e928. DOI: 10.1097/hs9.0000000000000928.
- [4] Andreas K. Øvlisen, Lasse H. Jakobsen, Sandra Eloranta, Kristian H. Kragholm, Martin Hutchings, Henrik Frederiksen, Peter Kamper, Rasmus Bo Dahl-Sørensen, Danny Stoltenberg, Caroline E. Weibull, **Joshua P. Entrop**, Ingrid Glimelius, Karin E. Smedby, Christian Torp-Pedersen, Marianne T. Severinsen, and Tarec C. El-Galaly. “Parenthood Rates and Use of Assisted Reproductive Techniques in Younger Hodgkin Lymphoma Survivors: A Danish Population-Based Study”. In: *Journal of Clinical Oncology* 39.31 (Nov. 2021), pp. 3463–3472. DOI: 10.1200/jco.21.00357.
- [5] **Joshua P. Entrop**, Susanna Kullberg, Johan Grunewald, Kerstin Brismar, and Elizabeth Arkema. “Type 2 diabetes mellitus risk associated with sarcoidosis: A Swedish population-based cohort study”. In: *European Respiratory Journal* S64 (56 2020). DOI: 10.1183/13993003.congress-2020.4398.