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August 2, 2018. **Master of Science** (Filosofian maisteri). University of Helsinki.
Major: Applied Mathematics. Minor: Statistics.

April 29, 2016. **Bachelor of Science** (Luonnontieteiden kandidaatti). University of Helsinki.
Major: Mathematics. Minor: Computer science.

2023 – 11/2025	Biostatistician 2. IQVIA <i>Real World Evidence</i>
5/2021 – 2023	Biostatistician. IQVIA (StatFinn Oy) Current employment: IQVIA CRO, as a biostatistician in retrospective observational database studies. <u>Tasks:</u> Lead statistician for several projects, also support statistician/programmer. Statistical analysis plans (SAP). Developing R code for statistical analyses. Presenting results, deliverables to clients. Manuscript writing. Linux server and development environment. Also power and sample size analyses, study protocol for regulatory studies. (Programming: R.)
4/2018 – 10/2020	Project researcher. University of Turku <i>Dept. of Internal Medicine; Dept. of Mathematics and Statistics</i> Project researcher (also post-graduate studies without degree) in Turku Data Science Group and Turku Hypertension Center (1-year personal grant from Turun Yliopistosäätiö). Statistical analysis of microbiome metagenomics data (FINRISK 2002 + Finnish registry data). (Programming: R, Python, (Stan).)
5/2017 – 12/2017	Research assistant University of Helsinki <i>Dept. of Mathematics and Statistics</i> . MSc thesis with employment in Inverse Problems Group , X-ray tomography. (Programming: MATLAB)
6/2016 – 8/2016	Summer trainee. Finnish Meteorological Institution <i>Atmospheric Dispersion Grp.</i>
6/2015 – 8/2015	Summer research assistant. Aalto University <i>Dept. of Computer Science</i>

Main professional expertise: data science / analysis, programming, visualization

- **Statistical analysis for observational studies** in R language. Mostly time-to-event survival data (Cox model) with propensity score methods (matching, IPTW). There has been much interest in [methods](#) which intend to recover causal effect estimates in complicated epidemiologic situations. Also count data regression analyses (Poisson, NB GLM).
- **Professional version control:** Git (branches, collating commits, rebases, GitHub, GitLab etc). Also used SVN.
- **Visualization and reporting:** (R lang: ggplot, Rmd, knit [Python](#): matplotlib, Jupyter). Also experience in extending R packages.
- Linux/Unix environments.
- Writing reports and documents, presenting results (Word, PowerPoint, GDocs, Excel, $\text{\LaTeX}$).

Other notable past experience in:

- Statistical ML (random forests, xgboost, Bayesian statistics in Stan) and [Python](#) (Numpy, Scikit-Learn).
- Python scripting in Linux/Unix and text data management, also Bash scripting.

Some past familiarity (not fresh):

- Data storage: Databases (SQL, Postgres, Redis), scientific formats (fst, HDF5, biom, CSV).
- Other: Matlab, C/C++, Python, Java, WordPress, AWS (basic EC2), Github CI, CSC services.

5. Language skills

[Finnish](#): Native speaker. [English](#): Proficient. [Swedish](#): Basic user (written).

6. Awards and prizes

2018. Master's Thesis Award of the Faculty of Science of University of Helsinki.

7. Selected publications

For full list of publications, see [Google Scholar](#) and [ORCID](#)

Nordon, Simons, Marshall, Müllerová, Pollack, Bengtsson, Hoti, Lobier, Salosensaari, Santos, Vogelmeier, Rhodes. 2025. "The sustained increase of cardiovascular risk following COPD exacerbations: meta-analyses of the EXACOS-CV studies", [ERJ Open Res](#), 11(3) 01091-2024.

Takahashi, Yoshida, Makita, Nishida, Yoshimura, Nissinen, Salosensaari, Yamaura, Pollack. "The Relationship Between the Timing of Budesonide/Glycopyrronium/Formoterol Fumarate (BFG) Initiation Following an Exacerbation and the Occurrence of Subsequent Exacerbations in a Real-World Setting: MITOS EROS (Japan) Study [abstract]". 2025. [Am J Respir Crit Care Med](#) 2025;211:A3265.

Garbe, Hoti, Schink, Svendsen, Al-Eid, Arkhammar, Carlholm, Fjällbrant, Franzén, Hedlund, Kollhorst, Kumar, Lobier, Mushnikov, Persson, Qiao, Salosensaari, Schäfer, Sicignano, Johansson, Dareng. 2024. "Long-Term Safety of Roflumilast in Patients with Chronic Obstructive Pulmonary Disease, a Multinational Observational Database Cohort Study". [International Journal of Chronic Obstructive Pulmonary Disease](#), 19, 1879–1892.

Salosensaari, Laitinen, Havulinna, Meric, Cheng, Perola, Valsta, Alftan, Inouye, Watrous, Long, Salido, K. Sanders, Brennan, Humphrey, J. G. Sanders, Jain, Jousilahti, Salomaa, Knight, Lahti, Niiranen. 2021. "Taxonomic Signatures of Cause-Specific Mortality Risk in Human Gut Microbiome." [Nature Communications](#) 12, no. 2671.

8. Other activities, hobbies

Member in Finnish Statistical Society ([Suomen Tilastoseura ry](#)), Statisticians in Finnish Pharmaceutical Industry ([Statistikot Suomen Lääketeollisuudessa ry](#)).

Tabletop RPGs.