

Marcel Klatt

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Education

- 04/2018 - **Ph.D. Student, Mathematical Sciences**, *Georg-August-University - Göttingen*.
Project: Inference for optimal transport surrogates
Advisor: Professor Dr. Axel Munk
- 2015 - 2018 **M.S., Mathematics and Computer Science**, *Georg-August-University - Göttingen*.
Thesis Title: Limit Distributions for Regularized Wasserstein Distances on Finite Spaces
Honors: Master's degree is awarded with distinction.
- 2013 - 2015 **B.S., Mathematics and Computer Science**, *Georg-August-University - Göttingen*.
2010 - 2013 **B.A., Two subject Bachelor Mathematics/Biology**, *Georg-August-University - Göttingen*.

Research and Teaching

- 2018 - 2019 **Teaching Assistant**, *Georg-August-University - Göttingen*.
Teaching assistant for a course titled *Probability and Measure Theory*. This included weekly exercise sessions, correcting exercise sheets, exams and giving lectures if necessary.
- 2016 - 2018 **Research Student Assistant**, *Georg-August-University - Göttingen*.
Research in optimal transport and related topics under Professor Dr. Axel Munk with the assistance of Dr. Max Sommerfeld and Carla Tameling. Worked on algorithms and their implementation as a software package in R for the computation of (regularized) Wasserstein distances and Wasserstein barycenters.
- 2012 - 2016 **Teaching Student Assistant**, *Georg-August-University - Göttingen*.
Was a teaching student assistant for several mathematical courses titled *Calculus I/II*, *Mathematics in Biology*, *Summer schools for Calculus I*. Helped in correcting exercise sheets, exams and held weekly exercise sessions.

Publications, Preprints and Software

- M. Klatt, C. Tameling, A. Munk, Empirical Regularized Optimal Transport: Statistical Theory and Applications, Preprint arXiv:1810.09880 (2018)
- R package: *Barycenter: Regularized Wasserstein Distances and Barycenters*. The package is available at <https://CRAN.R-project.org/package=Barycenter>.

Conferences and Talks

- 03/2019 **Participant and Speaker**, *DAGStat Conference - Munich*.
Attending the conference *DAGStat: Statistics under one umbrella*. A talk with the title *Empirical Regularized Optimal Transport: Statistical Theory and Applications* was given.
- 07/2018 **Participant**, *Hausdorff Center for Mathematics - Bonn*.
Attending the summer school *Optimal Transport meets Economic Theory*.
- 06/2018 **Participant and Speaker**, *Universidad de Valladolid - Valladolid, Spain*.
Attending the conference *Mass Transportation Theory: Opening perspectives in Statistics, Probability and Computer Science*. A talk with the title *Distributional limits for optimal transport on finite spaces* was given.

11/2017 **Participant**, *Georg-August-University - Göttingen*.

Attending the conference *Statistics meets Friends: From Biophysics to inverse Problems and back*.

Additional Skills

Languages German (first language), English (very good knowledge)

Computing C, C++, R (statistical programming), Matlab, \LaTeX , Git

Activities

Salsa Dancing.

Practising and teaching people in Salsa dancing. Travelling across Europe to attend Salsa congresses.

Other Current Hobbies.

Soccer, Tennis and Running