

STATISTICAL OPTIMAL TRANSPORT

Summer Graduate School, MSRI/SLMath, June 9 to 20, 2025

Recommended Preparatory Reading

- [1] S. CHEWI, J. NILES-WEED, and P. RIGOLLET, *Statistical optimal transport*, Lecture Notes in Mathematics **2364**, Springer, Cham, Switzerland, 2025, École d'Été de Probabilités de Saint-Flour XLIX – 2019, ISBN 978-3-031-85159-9. Chapters 1 and 2. [Zbl](#) [arXiv](#).
- [2] M. NUTZ, *Introduction to entropic optimal transport*, Lecture notes, 2022.
- [3] P. GHOSAL and B. SEN, *Multivariate ranks and quantiles using optimal transport: Consistency, rates, and nonparametric testing*, 2021. [arXiv](#).
- [4] A. GENEVAY, L. CHIZAT, F. BACH, M. CUTURI, and G. PEYRÉ, *Sample complexity of Sinkhorn divergences*, 2019. [arXiv](#).