Preprints

Students funded by me are indicated by * and other students are indicated by **. Stewart* is tenure-track Assistant Professor, Department of Statistics, Florida State University. Babkin* is Senior Data & Applied Scientist, Microsoft.

- Nandy**, Saikat, Holan, Scott H. and **Michael Schweinberger.** A socio-demographic latent space approach to spatial data when geography is important but not all-important. Submitted to the Journal of the American Statistical Association.
- Grieshop**, Nicholas, Feng**, Yong, Hu, Guanyu and **Michael Schweinberger**.

 A continuous-time stochastic process for high-resolution network data in sports.

 Submitted to Statistica Sinica. **Invited**.
- Eli*, Sean and Michael Schweinberger. Non-asymptotic model selection for models of network data with parameter vectors of increasing dimension. Submitted to the Journal of Statistical Planning and Inference.
- Jeon, Minjeong and **Michael Schweinberger.** Latent process models for monitoring progress towards hard-to-measure targets, with applications to online educational assessment data. To be revised and resubmitted to The Annals of Applied Statistics.
- Stewart*, Jonathan R. and **Michael Schweinberger.** Pseudo-likelihood-based *M*-estimation of random graphs with dependent edges and parameter vectors of increasing dimension. Revised and resubmitted to *The Annals of Statistics*.

Accepted and published peer-reviewed articles

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Schweinberger, Michael, Bomiriya**, Rashmi P., and Sergii Babkin* (2022). A semiparametric Bayesian approach to epidemics, with application to the spread of the coronavirus MERS in South Korea in 2015. *Journal of Nonparametric Statistics*, 34, 628–662.

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- Jeon, Minjeong, Jin, Ick Hoon, Schweinberger, Michael, and Samuel Baugh** (2021). Mapping unobserved item-respondent interactions: A latent space item response model with interaction map. *Psychometrika*, 86, 378–403. The first three authors made equal contributions. The order of the first three authors is alphabetical.
- Schweinberger, Michael, Stingo, Francesco C., and Maria P. Vitale (2021). Special issue on statistical analysis of networks. *Statistical Methods & Applications (Journal of the Italian Statistical Society)*, 30, 1285–1288. Invited. Editor-reviewed.
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