

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.

Grieshop**, Nicholas, Feng**, Yong, **Schweinberger, Michael**, and Guanyu Hu. *Continuous-time stochastic processes for high-resolution network data in sports*. Submitted to *Statistica Sinica*.

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 Annals of Applied Statistics*.

Jeon, Minjeong and **Michael Schweinberger**. *Latent process models for monitoring progress towards hard-to-measure targets, with applications to online educational assessment data*. Submitted to *The Annals of Applied Statistics*.

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*.

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.

- Jin, Ick Hoon, Jeon, Minjeong, **Schweinberger, Michael**, Yun, Jonghyun, and Lizhen Lin (2022). Multilevel network item response modeling for discovering differences between innovation and regular school systems in Korea. *Journal of the Royal Statistical Society, Series C (Applied Statistics)*, 71, 1225–1244.
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- Schweinberger, Michael** (2022). Discussion to: “Bayesian graphical models for modern biological applications” by Yang Ni, Veerabhadran Baladandayuthapani, Marina Vannucci, and Francesco C. Stingo. *Statistical Methods & Applications (Journal of the Italian Statistical Society)*, 31, 253–260. **Invited. Editor-reviewed.**
- 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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- Schweinberger, Michael** (2020). Consistent structure estimation of exponential-family random graph models with block structure. *Bernoulli*, 26, 1205–1233.
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