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.

- 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*.
- Eli*, Sean and Michael Schweinberger. Non-asymptotic model selection for models of network data with parameter vectors of increasing dimension. Submitted to Journal of Statistical Planning and Inference.
- Jeon, Minjeong, Schweinberger, Michael, Baugh**, Samuel, and Eric Ho**. Latent process models for monitoring progress towards hard-to-measure targets, with applications to online educational assessment data. Submitted to the Journal of the American Statistical Association.
- With Johannes Lederer. Scalable model selection with a single observation of dependent random variables: pseudolikelihood-based Dantzig selectors. In preparation.

Accepted and published peer-reviewed articles

- 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.
- 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. Accepted, *Journal of Nonparametric Statistics*, 1–35.
- 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. Accepted, *Journal of the Royal Statistical Society, Series C (Applied Statistics)*.
- Park, Jaewoo, Jin, Ick Hoon, and **Michael Schweinberger** (2022). Bayesian model selection for high-dimensional Ising models, with applications to educational data. *Computational Statistics & Data Analysis*, 165, 1–20.
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- Babkin*, Sergii, Stewart*, Jonathan R., Long**, Xiaochen, and **Michael Schweinberger** (2020). Large-scale estimation of random graph models with local dependence. *Computational Statistics & Data Analysis*, 152, 1–19.

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- Schweinberger, Michael, Babkin*, Sergii, and Katherine B. Ensor (2017). High-dimensional multivariate time series with additional structure. *Journal of Computational and Graphical Statistics*, 26, 610–622.
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- Schweinberger, Michael (2012). Statistical modeling of network panel data: goodness-of-fit. British Journal of Mathematical and Statistical Psychology, 65, 263–281.

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- Schweinberger, Michael, Krivitsky, Pavel N., and Carter T. Butts (2017). A note on the role of projectivity in likelihood-based inference for random graph models. The first two authors made equal contributions.
- Vu**, Duy Q. and **Michael Schweinberger** (2014). Model-based clustering of large random graphs with high-dimensional predictors.
- Schweinberger, Michael and Tom A.B. Snijders (2007). Random effects models for digraph panel data.