Network psychometrics

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Contributed Work

This appendix contains a list of the contributed publications and software packages until the completion of this PhD project. The PDF version of the dissertation contains links to all publications and software repositories, which can also be found on my website at:

www.sachaepskamp.com

B.1 Publications

This section lists all manuscripts that are submitted or accepted for publication at the time of submission of this dissertation. As such, some of the titles and journals of yet unpublished work might change before publications as a result of the review process.

Main Author Publications

  – Chapter 2
  – Under review at *Psychological Methods*

  – Section 2.6

  – Chapter 3 and Chapter 1
B. Contributed Work

  - Chapter 4

  - Chapter 5
  - Submitted to *Psychological Medicine*

  - Chapter 6
  - Under review at *Multivariate Behavioral Research*

  - Chapter 7

  - Chapter 8

  - Chapter 9

  - Chapter 10

  - Chapter 11
• Van Bork, R., **Epskamp, S.** (the first two authors contributed equally to this work), Rhemtulla, M., Borsboom, D., and Van der Maas, H.L.J. What is P? Some Risks of General Factor Modeling.
  
  – Under review at *Theory and Psychology*

**Collaborations**


  
  – Under review at *Psychonomic Bulletin & Review*


  
  – I setup and coordinated the “analysis audit” in which a team of students worked on replicating all analyses done in R.


B. Contributed Work


B.2 Software

Stable R packages

- *qgraph*  
  - Network drawing, construction and estimation and network-based data visualization (Link to CRAN repository)

- *semPlot*  
  - Path diagrams and visual analysis of various SEM packages’ output (Link to CRAN repository)
• **IsingSampler**
  
  - Sampling methods and distribution functions for the Ising model (Link to CRAN repository)

• **lisrelToR**
  
  - Import output from LISREL into R (Link to CRAN repository)

• **graphicalVAR**
  
  - Estimate temporal and contemporaneous effects on $N = 1$ longitudinal data (Link to CRAN repository)

• **mlVAR**
  
  - Multi-level vector autoregression (Link to CRAN repository)

• **bootnet**
  
  - General robustness tests and plots for network models (Link to CRAN repository)

• **elasticIsing**
  
  - Ising model estimation using elastic net regularization (Link to CRAN repository)

• **lvnet**
  
  - Latent variable network modeling (Link to CRAN repository)

**Collaborations**

• **IsingFit**
  
  - Fitting Ising models using the eLasso method (Link to CRAN repository)

• **statcheck**
  
  - Fitting Ising models using the eLasso method (Link to CRAN repository)

• **JASP**
  
  - A low fat alternative to SPSS, a delicious alternative to R. (Link to website)