Stellingen

Behorende bij het proefschrift "Multilevel Regression Models for Mean and (Co)variance with Applications in Nursing Research" van Baoyue Li

1. People are born as Bayesian.
2. Bayesian methods show much flexibility in handling several types of logistic random effects regression models compared to frequentist methods, but are often more time-consuming. (this thesis)
3. The multilevel covariance regression model shows a nice property of robustness to the outliers at each level. (this thesis)
4. The multilevel covariance regression model can highlight more "hidden" information than the classical regression modeling of the mean, thus uses the data more efficiently. (this thesis)
5. The multilevel higher-order factor model is capable of handling high-dimensional data with heteroscedasticity. (this thesis)
6. Modeling the covariance matrix with random effects implies an approach of handling heavier-tailed distributions. (this thesis)
7. Statistical thinking will one day be as necessary for efficient citizenship as the ability to read and write. (Herbert George Wells)
8. One of the advantages of the Bayesian method is the use of informative priors, which can increase the efficiency of parameter estimation.
9. Structural equation modeling aims to 1) understand the patterns of covariances among a set of observed variables and 2) explain as much of their variance as possible with the researcher's model. (Rex Kline)
10. Statistics are no substitute for judgment. (Henry Clay)
11. 沉舟侧畔千帆过, 病树前头万木春. (刘禹锡, Tang Dynasty, 772-842)
    (Translation: Stay positive.)