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Stellingen
behorende bij het proefschrift
**Prior information and variational Bayes in high dimensional
statistical network inference**
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1. Data can be very noisy and misleading.
2. Incorporation of prior information in statistical network reconstruction is helpful (Chapters 2, 3 and 4).
3. Prior knowledge in high dimensional data analysis should be used in soft/flexible manner (Chapters 2 and 3).
4. The amount of agreement of a prior knowledge with the data at hand can be estimated (Chapter 2).
5. Every statistician should be familiar with Bayesian statistics.
6. Variational Bayes produces accurate approximations to posterior means (Chapters 1, 2 and 3).
7. Every (mathematical) statistician should do at least one *good* applied project.
8. The dynamics of the human cell might be preserved in both *in vivo* and *in vitro* environments (Chapter 4).
9. Scaling data prior to analysis makes a difference, specifically when comparing performance of various competing methods.
10. Statistics is more than counting and averaging.