Bayesian optimal designs of binary repeated measurements

Propositions belonging to this thesis

Bayesian Optimal Designs of Binary Repeated Measurements

1. Bayesian optimal design with a weakly informative prior distribution (large prior variance) is robust against a change of the prior mean (this thesis).

2. PQL1 and extended GEE estimation methods give approximately the same Bayesian optimal designs (this thesis).

3. Bayesian optimal designs are hardly affected by the choice of the covariance structure of the random effects if there is autocorrelation (this thesis).

4. The choice between a normal and a uniform prior distribution has hardly any effect on the Bayesian optimal designs (this thesis).

5. Do not expect to enjoy the PhD project. Do expect to go mad. If you do enjoy your PhD project, you are probably already mad.

6. The best thing about being a statistician is that you only have to be right approximately.

7. Far better an approximate answer to the right question, which is often vague, than an exact answer to the wrong question, which can always be made precise (J.W. Tukey (1962), The future of data analysis, The Annuals of Mathematical Statistics, 33(1), p.13).

8. Thursday is better than Sunday, as on Thursday tomorrow is Friday and on Sunday tomorrow is Monday.

9. Too many supervisors are a waste of time and resources.