

## STELLINGEN

Behorende bij het proefschrift

### **Prediction of Medical Outcomes with Modern Modelling Techniques**

1. Modern techniques should only be used in medical prediction problems if very large data sets are available. (This thesis)
2. For small and intermediate medical data sets, classical techniques outperform relatively modern modelling techniques. (This thesis)
3. Internal and, if possible, external validation are necessary steps before applying a clinical prediction model in a new setting. (This thesis)
4. Before applying a modeling technique, the parameters must be tuned. (This thesis)
5. In domains which comprise many potential features for classification, good prediction models are provided by random forest and LASSO techniques. (This thesis)
6. Success consists of going from failure to failure without loss of enthusiasm. (W. Churchill)
7. De moeder aller wetenschap is de beta-wetenschap. (W.F. Hermans)
8. Those who ignore statistics are condemned to reinvent it. Statistics is the science of learning from experience. (B. Efron)
9. Data do not give up their secrets easily. They must be tortured to confess. (J. Hopper)
10. Research is an organized method for keeping you reasonably dissatisfied with what you have. (C.F. Kettering)
11. Wie denkt dat kennis duur is, weet niet wat domheid kost en ook niet wat onwetendheid aanricht. (A. Rinnooy Kan)

**Tjeerd van der Ploeg**

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