# CONTENTS

1. General introduction 07

2. Missing data and imputation 19
   a practical illustration in a prognostic study on low back pain

3. Imputation and stability 41
   the search for stable prognostic models in multiple imputed data sets

4. Logistic regression and CART analysis 67
   the search for stable prognostic models in multiple imputed data sets

5. Prediction in general practice 87
   comparing clinical consensus from a Delphi procedure with a statistical scoring system

6. Prediction models in general practice 117
   the value of prognostic models for persistent shoulder pain in general practice

7. General discussion 139

   Summary 159

   Samenvatting 166

   Dankwoord / Word of thanks 173