

Research Master's programme Methodology and Statistics for the Behavioural,  
Biomedical and Social Sciences  
Utrecht University, the Netherlands

MSc Thesis Judith Nève de Mévergnies (0070661)

TITLE: Performance of clinical prediction models versus computational  
time for random forest hyperparameter tuning procedures: A simulation  
study

May 2023

Supervisors:

Dr. Maarten van Smeden (University Medical Center Utrecht)

Dr. Ben Van Calster (KU Leuven)

Zoë Dunias (University Medical Center Utrecht)

Second grader:

Prof. Dr. Irene Klugkist (Utrecht University)

Preferred journal of publication: Statistics in Medicine

Word count: 5276