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Dimensionality assesment with factor analysis methods

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Curriculum Vitae

Maria Theodora (Mariska) Barendse was born on May 23 1983 in Alkmaar, the Netherlands. In 2003, she completed secondary education at the Petrus Canisius College in Alkmaar. After studying History at VU University Amsterdam for one year, she combined studying Pedagogical Sciences and Educational Sciences at the University of Amsterdam. During her bachelor she followed additional statistical courses and worked as a research assistant in various research projects of the University of Amsterdam. In 2007 she obtained both bachelors degrees (i.e., Pedagogical Sciences and Educational Sciences at the University of Amsterdam) and started the research master Educational Sciences. As a master student she guided lab classes and statistical courses and was involved in supervising research projects for undergraduate students. She wrote her master thesis on measurement bias and performed a part of her research at the Goethe University in Frankfurt.

In 2010 she graduated (cum laude) and started as a PhD candidate in the department of Psychometrics and Statistics at the University of Groningen. During her PhD project, she worked at University of Groningen and at the University of Amsterdam. She was involved in teaching various statistical courses, supervising theses, and a large number of statistical consultations to both students and researchers. Her main research focus was the development and applications of models using non-standard applications of structural equation modeling, including the analysis of discrete data, exploratory factor analysis and multilevel modeling.