

Preface

The Marble (Maastricht Researched Based Learning for Excellence) programme at SBE facilitates the development of research projects for highly motivated and excellent undergraduate students. Students attending the bachelor programme of Econometrics and Operations Research join the Marble programme in the third year of their study. At the end of their bachelor they perform a short study which covers different applications of econometrical, mathematical and operations research techniques. The findings are presented at a mini symposium in June and documented in a research paper.

This series contains the best research papers and represent the different strands of research in the programme in the academic year 2011/12. Marina Friedrich used techniques for estimation trends to analyze trends in global warming. Remco Paulissen analyzed the bidding behavior in a multi-dimensional procurement auction, using a theoretical approach. Tekla van Gils, also in a theoretical study, modeled the bidding game, using a mathematical approach. Jorren Jacobs analyzed the volatility of stock prices, using bootstrapping. This is a new approach when making estimates of stock prices. Elwin Jongeling wrote a paper in the field of Operations Research, more specific in the field of scheduling. He used a simulation to research the consequences of the shortest remaining processing time rule.

This publication could be the first step in a research career for students and is an ideal way to disseminate the research findings to a broader audience. A special word of thank for André Berger, who transformed the different papers into one printable document.

Jan Nijhuis, Marble coordinator SBE
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