

## Computer-aided maths & stats learning and assessment at UvA using SOWISO.

André Heck, Ellen den Ouden, Marthe Schut

### Abstract

Since 2013 SOWISO is used in regular courses at UvA's Faculty of Science for learning, practicing and assessing maths & stats. We present our motives for doing this, and highlight the development of course materials during the years via concrete examples. We discuss the road from one course to about fifty courses in all three bachelor schools. We also show the extended use of SOWISO in mathematics deficiency courses and in the digital student support in maths & stats.

### Speakers

André Heck is a retired senior lecturer at UvA and is currently research associate at the Korteweg-de Vries Institute for Mathematics. He has a doctoral degree in mathematics and science education, and keeps doing research in this area (ORCID: 000-0002-7923-6360). He initiated the use of SOWISO in service mathematics teaching and learning at the Faculty of Science.

Ellen den Ouden is a lecturer at the Faculty of Science of the University of Amsterdam. She teaches various courses within the mathematics programme as well as within other programmes. She also coordinates the statistics and mathematics support centre at the faculty, and teaches mathematics for deficiency courses to pre-university students. For most of the teaching outside of the mathematics programme, she makes use of SOWISO in various ways.

Marthe Schut is lecturer at the Faculty of Science of the University of Amsterdam. Her work includes designing and teaching mathematics for deficiency courses to pre-university students, as well as mathematics to life science students. She extensively uses SOWISO in these courses.

