

**Dirk Tempelaar** (Maastricht University)

*Learning analytics: where digital testing, blended learning and individual learning paths come together*



The first course in mathematics is characterized by its size (my class: 1200) and the huge diversity of its students, with regard to background, prior schooling, math skills (my class: 55 nationalities). That diversity suggests that students are best helped with adaptive, individual learning paths, rather than a fixed curriculum for all. Immediate learning feedback plays a crucial role in that to help students and their teachers organize the learning. In this lecture, we will explain the components of the solution we chose for in our school: blended learning using a ‘flipped’ classroom approach, SOWISO as e-tutorial, problem-based learning sessions, digital testing and digital testing steered learning, and learning feedback through applications of dispositional learning analytics.

Dirk Tempelaar is an associate professor at Maastricht University School of Business & Economics. Main teaching activities refer to teaching introductory mathematics and statistics in the regular program and in summer courses that prepare students for BSc and MSC programs. Research interests are dispositional learning analytics, students’ self-regulated learning preferences in technology enhanced learning environments, and role of formative assessment in learning processes.