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.

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