

Innovating Teaching: *A Course with Mathematica*

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Abstract

At the University of Zurich we are using Mathematica for the required course on Empirical Methods with 150 business administration students at master's level. We ask the students to learn coding with Mathematica and to solve real problems using real data. All course materials such as slides, tutorials, group assignments and performance reports were deployed as Mathematica notebooks. The final exams, which are personalized, randomized, and contain various types of questions, were written in Mathematica and graded fully automatically.

This interactive presentation aims to show our recent developments of teaching materials, to share our vision and experience, and to critically discuss the opportunities of using Wolfram Technologies for teaching.