Abstract

In some of our basic courses we have been working with different digital resources. Examples are using video clips or developing interactive routines in Matlab or R in order to facilitate student´s understanding of different concepts. A larger project involves the system Maple TA, where a bank of questions in basic probability and statistics is developed. The questions are used in tests as well as in exercise sessions.

It is not difficult to give examples of digital resources that are both "unused and undervalued" by the students. Under which circumstances do they really support student's learning? Initial work with development of different digital resources is often heavy. But in the long run, do they decrease teacher's workload? In the seminar we discuss our experiences from the projects, especially the one with Maple TA, and also refer to relevant research literature.