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Selecting technology to promote learning in an online introductory statistics course.

Ben-Zvi, Dani (ed.) et al., The teaching and learning of statistics. International perspectives. Cham: Springer (ISBN 978-3-319-23469-4/hbk; 978-3-319-23470-0/ebook). 215-225 (2016).

Summary: Online courses are becoming an increasingly more common option for college students and technology plays a critically important role. How can an online course be taught in a way that engages the students so that they master the material just as well as in a traditional classroom? In order to help accomplish this goal, various technological packages must be chosen to bridge the gap between the traditional and online course. This chapter will discuss the technological setup of a new online Statistics course, review why the specific technologies were chosen, its implementation, and some problems that have arisen. The chapter will concentrate discussion on four areas: content building software (interactive websites), interactive communication programs (chat rooms, etc.), online grading, and the necessary computer hardware.

Classification: U55 K45 K75

Keywords: statistics; online courses; interactive websites

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