

ZMATH 2009e.00701

Chance, Beth; Ben-Zvi, Dani; Garfield, Joan; Medina, Elsa

The role of technology in improving student learning of statistics.

Technol. Innov. Stat. Educ. 1, No. 1, 26 p., electronic only (2007).

Summary: This paper provides a broad overview of the role technological tools can play in helping students understand and reason about important statistical ideas. We summarize recent developments in the use of technology in teaching statistics in light of changes in course content, pedagogical methods, and instructional formats. Issues and practical challenges in selecting and implementing technological tools are presented discussed, and examples of exemplary tools are provided along with suggestions for their use.

Classification: R20 K10 D30

Keywords: statistics education; educational software; introductory statistics; technology implementation