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Teaching Statistics to First Year Undergraduate Students - Challenges

Teaching statistics to first year undergraduate students is always a challenge. The main strategy is to develop statistical thinking so that effective use of statistical methods can be ensured. We developed a systematic approach to teaching statistics at undergraduate level based on HSC (Hearing, Seeing and Understanding) concept. We developed statistical applets for better statistical thinking and understanding the basic concepts. We also introduced “projects” as part of the course. The approach was implemented in our newly developed first year statistics course.