

**ACADEMIC & BUSINESS RESEARCH INSTITUTE**  
Bringing the Classroom Experience into the Online World

**ABSTRACT**

Online learning has evolved in the last two decades, from directing students to just read the textbook and do the exercises, to embracing the built-in technology of a course management system with quizzes and discussions, to using the world wide web extensively. In this session, you will see how online classes can be designed to bring the classroom experience into the virtual world. In statistics, with the use of M&Ms, cards and dice, students can actively experience how statistical techniques work through experimentation and analysis, including most of the hypothesis testing methods. Also, by designing the course around analyzing raw data with Excel, students will learn to directly apply the methods repeatedly instead of solving canned problems. By incorporating these approaches, a typical course in business statistics can become an experiential course in statistical thinking and real-world analysis that would do more to prepare a student for graduate research work.

**KEYWORDS:** Online learning, Statistics, Course design, Pedagogy, Business analytics

