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*Integrating Statistics into College Algebra: Providing the Mathematics that Students Need.*

Most students take College Algebra as a requirement from other disciplines. Yet, most of those disciplines strongly recommend that students see more statistics, particularly for the lab and other data-intensive fields. This presentation will focus on ways to integrate statistical ideas and methods throughout a College Algebra course to better meet the needs of the students and the other disciplines. The goal is to have the statistical concepts and methods arise as natural applications of college algebra ideas, so that the course becomes a natural mesh of the two rather than a disconnected add-on to a college algebra course. This approach is also in the spirit of the MAA's initiative to change the focus of college algebra and related courses. (Received September 22, 2010)