

1106-AG-2754      **Robin H. Lock\*** (rlock@stlawu.edu), Department of Math, CS and Stat, St. Lawrence University, Canton, NY 13617. *Gaising into the Future of Teaching Statistics*. Preliminary report.

In 2005 the American Statistical Association (ASA) approved Guidelines for Assessment and Instruction in Statistics Education (GAISE) that included pedagogical recommendations for introductory statistics courses that are in the same spirit as efforts the MAA's CUTM is working on for instruction in the mathematical sciences more generally. Given rapid changes in statistical practice and technology, to what extent are the GAISE recommendations still relevant a decade later and where might they need refinement? The Common Core State Standards in Mathematics include a greater emphasis on statistics and teaching ideas through simulation-based methods. In what ways might this affect what we do (and how we do it) in introductory statistics at the college level? What are the implications for preparing future teachers to be confident in teaching Common Core statistical ideas? The CUPM Guidelines have long recommended that all mathematics majors take a statistics course. But what course is most appropriate and valuable? Finally the ASA is revising its guidelines for programs (majors and minors) in statistics. Since some programs exist or will grow out of Mathematical Sciences departments, how might the new program guidelines affect what statistics courses we teach and how we teach them? (Received September 16, 2014)