

GAISE preK-12 II and Data Science Education

Robert Gould

Vice-chair, Undergraduate Studies, Dept. of Statistics

Founder, DataFest

Abstract: The American Statistical Association (ASA) and the National Council of Teachers of Mathematics (NCTM) have released a major revision to the 2005 Guidelines for Assessment and Instruction in Statistics Education preK-12 Report (GAISE preK-12). The new version, GAISE II, offers research-driven guides for developing students' data literacy and helping all students to think like data scientists. The speaker was a co-author of GAISE preK-12 II and also led the development of a secondary school data science course: the Mobilize Introduction to Data Science (IDS) curriculum. This curriculum relied strongly on the 2005 GAISE and had some influence on the revised GAISE. In this talk, we'll describe key features of GAISE II and describe how they help guide data science education by providing examples in the IDS curriculum.