

AMERICAN MATHEMATICAL SOCIETY JOSIAH WILLARD GIBBS LECTURE



Nancy Reid

IN PRAISE OF SMALL DATA: *Statistical and Data Science*

Abstract

The over-promotion of “Big Data” has perhaps settled down, but the data are still there, and the rapid development of the new field of data science is a response to this. As more data become available, the questions asked become more complex, and big data can quickly turn into small data. Statistical science has developed an arsenal of methods and models for learning under uncertainty over its 200-year history. Some thoughts on the interplay between statistical and data science, their interactions with science, and the ongoing relevance of statistical theory will be presented and illustrated through a number of examples.

Wednesday, January 15, 8:30–9:20 pm

Four Seasons Ballroom 2, 3, 4, Lower Level
Colorado Convention Center

The AMS Council established the Josiah Willard Gibbs Lectureship in 1923, making it one of the Society's oldest and most prestigious lectures. Gibbs (b. 1839–d. 1903), a mathematical physicist, was one of the greatest scientists America has ever produced. This invited lecture is popular in nature, directed at those who are not professional mathematicians and intended to make the public aware of the contribution that mathematics is making to present-day thinking and modern civilization.

