

Exploring the Synergy of Data Science and Statistical Modeling

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Abstract

Abstract: With the world increasingly reliant on data, the convergence of data science and statistical modeling has become a potent tool for uncovering hidden insights and shaping our comprehension of the world. In this keynote address, we delve into the intersection of these two fields, where mathematical precision meets real-life utility. We explore the principles that form the basis of data science and statistical modeling, emphasizing their complementary roles in extracting knowledge from complex datasets. We also review the ethical considerations that ensures our data-driven decisions are factual, dependable, accountable, and ethical. If you are simply curious about the power of data, this talk inspires your perceptions of the world of mathematics and statistics.