

The role of statistical associations in complex and evolving national data governance regimes

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Abstract

The digital transformation has profoundly altered data ecosystems, creating new opportunities and challenges for statisticians. This paper examines the evolving role of statistical associations in navigating complex national data governance regimes. The abundance of data, coupled with increasingly intricate legal frameworks, necessitates a re-evaluation of traditional statistical practices.

We argue that statistical associations must actively engage in shaping data governance policies to ensure ethical and responsible data use. This includes advocating for access to diverse data sources while upholding privacy and confidentiality standards. Methodologically, research should focus on developing robust techniques for combining and analyzing data from disparate sources, addressing issues of data quality and compatibility.

This paper explores the strategic role of statistical associations in fostering collaboration between policymakers, practitioners, and researchers to advance the field of statistics in the digital age. It highlights the need for continuous adaptation and innovation to harness the potential of data for societal benefit within the evolving legal and ethical landscape.