

Statistical science and the broader data ecosystem – emerging needs, challenges, and opportunities for strategic collaboration

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Abstract

The presentation will explore the fast-changing context for statistical science and the implications for how statisticians need to collaborate across disciplinary boundaries to survive and thrive. The data ecosystem and geo-political, technological, and social context for statistical science present a range of new threats and opportunities. The presentation will set out the case at the global level for enhanced forms of collaboration between data experts, data users, and wider stakeholders to protect the quality, integrity, and financial foundations of statistical science. There will be a particular focus on the role of professional societies, such as the International Statistical Institute (ISI), both globally and locally, and priorities for partnerships between statisticians and other sectors. It will reflect on the recent process to revise the ISI strategy for the next few years and identify further action areas for all types of statisticians from academia to official statistics and beyond.