

**Seminar:** 09/26/2022

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**Title:** Some Statistical Quagmires, Quandaries, and Existential Imbroglios

**Abstract:** In this talk, which I hope will be more interactive than lecture-style, I want to discuss some ideas in statistical practice that (1) give me pause as a professional statistician, (2) are hard to explain to the consuming public, and (3) potentially represent existential dilemmas for statistical science. While the list is not new, I want to venture into a discussion from my vantage point about p-values, Big Data versus small-sample statistics, data aggregation versus granularity, data harmonization, and others as we have time. A prevailing misunderstanding of such concepts, along with the rise of citizen data scientists across corporate America and a sort of populism about all things data, seems to be evolving into somewhat of an existential challenge to statistics as a profession.