

Understanding Hypothesis Testing through Simulations

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Hypothesis testing presents conceptual challenges to students. The logic behind hypothesis testing is unfamiliar to most students and is akin to the challenges posed by a proof by contradiction. Within hypothesis testing, there are various related concepts, for example, α and p -value, that cause confusion for students. This article provides spreadsheet simulations that can be used to illustrate these concepts. The simulations require basic spreadsheet functionality and are easy to reproduce.

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