Statistics and Data Science Seminar

Applying Mathematics and Statistics to Characterize the Effectiveness of a Pharmaceutical Product

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Abstract: This presentation addresses the basic science for clinical pharmacology: effective and safe drug administration. We use basic mathematics and statistics to introduce the applications to pharmacology, including characterizing the drug concentration, dose selection, and dosing strategy. The utility of clinical pharmacology will be explained: We will show how drugs work, rather than asking the audience to memorize information about individual drugs. Therefore, we can understand why drugs are given, as well as when they should be given, and come up with a better way to improve the effectiveness of drug administrations.

Wednesday, October 31 at 4:00 PM in 636 SEO