

Lecture #23: Classical Probability Distributions

Lecture Presentation

Review of Preparatory Material

The Poisson Distribution

What Does This Model?

What Assumptions are This Based on?

What Form Does This Take?

What are Some Other Related Probability Distributions?

More About Continuous Probability Theory

What Discrete Sample Spaces and Probability Distributions Do These Resemble?

How are Expected Values of “Related” Random Variable *Really* Defined?

In Particular, How is the *Variance* Defined?

What are Some Significant Results That Replace Important Results for Discrete Probability Theory

What is the “Central Limit Theorem”?