

# GRADUATE SEMINAR

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## A Three-Parameter Binomial-Lindley Distribution: Properties

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**4:00 PM**

**via Zoom**

### **Abstract:**

A new generalized Binomial-Lindley distribution with three-parameter is proposed by compounding the Binomial distribution with a two-parameter Lindley distribution. In this seminar, I will present several statistical properties of this proposed distribution like the shape of the pmf, generating function, etc. Also the dispersion index for the proposed distribution is derived to determine whether the proposed distribution can adequately fit overdispersed or underdispersed data.

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