

# GRADUATE SEMINAR

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## A Three-Parameter Generalized Lindley-Poisson Distribution

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**3:30 PM**

**via Zoom**

### **Abstract:**

A new generalized Lindley-Poisson distribution with three-parameter is proposed by compounding the Poisson distribution with the three-parameter generalized Lindley distribution. In this seminar, I will present several statistical properties of this proposed distribution like the shape of the pmf,  $r^{th}$  factorial moment, moment generating function, etc. In addition, I will show the simulation of random variables and use expectation-maximization algorithm to estimate parameters.