

# GRADUATE SEMINAR

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## Generalized fiducial inference on the mean of zero-inflated Binomial and Binomial hurdle models

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**3:30 P.M.**

**Via Zoom**

**Abstract :** Generalized fiducial inference, is a popular statistical analysis thought independent of Frequentist school and Bayesian school. The core idea is to switch the role of the parameters and the data. Zero-inflated binomial and binomial hurdle model are two models to address the problem of excess zeros. In this seminar, I will firstly introduce the two models dealing with excess zeros. Then the theory of generalized fiducial inference will be presented. After that, I will theoretically deduce how to use generalized fiducial inference to obtain the generalized confidence interval of the mean of zero-inflated binomial model and binomial hurdle model.

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