# GRADUATE SEMINAR

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## Zero-Inflated Model with application

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### November 5, 2018
### 3:30 pm
### Math and Stat Lounge

**Abstract:** The count data are widespread in agriculture, medical, public health, finance, insurance, and many other areas. The basic model of analysis these data is the classic discrete regression model, such as Poisson regression model, negative binomial regression model and so on. But in many areas this kind of model is no longer helpful. Sometimes, count data can appear a lot of zero data. This type of observations exhibits a substantially larger proportion of zeros than what is expected for the Poisson model or negative binomial model. In my presentation, I will describe the research background, specifically illustrate the zero-inflated model. and show how to generate zero-inflated model.

University of Regina

**Mathematics and Statistics**