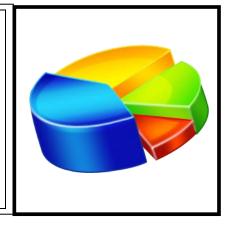# STATISTICS SEMINAR
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Thursday, December 4, 2014
Dickens Hall, Room 207, 4:00-5:00 pm
Refreshments: Dickens 108, 3:30-4:00 pm

Meta-Analysis with R

The statistical meta-analysis is to analyze the data quantitatively from diverse sources to draw a more effective statistical inference. This talk will start with an overview to meta-analysis on both fixed-effects and random-effects models to incorporate within/between-study variations. Meta-regression will be introduced to quantify heterogeneity and test the significance of heterogeneity among studies in a meta-analysis. We will illustrate these models using real data from studies on efficacy of Bacillus Calmette-Guerin(BCG) vaccine along with the implementations in commonly used R packages. Further research on meta-analysis will be discussed.