Workshop on

Statistical Meta-Analysis with Applications

Presented by Professor **Guido Knapp**, University of Dortmund, Germany

7th Floor, Library Building; 2:30 pm - 5:30 pm , **Friday, April 23, 2010**
Registration is Free but Required!
Registration deadline: Friday, April 2, 2010
Registration website:
http://www.umbc.edu/circ/hosting/ProbStatDay2010

Th is workshop will provide a state of the art statistical techniques required to carry out data synthesis in the most efficient manner Theoretical basis for meta-analysis as well as several applications will be explained.

Here are the detailed contents of the lectures.

Lecture 1: Introduction to statistical meta-analysis

1. Motivation
2. Notion of effect size with properties

Lecture 2: Combination of tests and estimates

1. Combination of P-values and test statistics
2. Combination of estimates of effect sizes and tests of homogeneity

Lecture 3: Special topics

1. Meta-analysis under random effects model
2. Meta-analysis with binary data
3. Computational aspects of meta-analysis

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