Statistics 6650
Discrete Data Analysis
2 semester hour course

Prerequisites: Stat 5302 or Stat 530 or Stat 645 or Stat 6450 or Stat 6950 or PUBH-BIO 6203 or PUBH-BIO 703 or permission of the instructor. (Students should be knowledgeable about and comfortable with regression analysis.)

Class Distribution: Two 80 minute or three 55 minute lectures per week


Course Description: Two-by-two tables; cross-sectional, prospective, and retrospective studies; measures and tests of association; log linear models; association graphs; analysis of stratified tables.

Tentative Topic List:

1. Tests of proportions
2. 2x2 tables, including methods of data collection, measures and tests of association
3. 3-way and higher order tables, including collapsing and conditional and partial association
4. Log-linear models
5. Association graphs
6. Matched pairs

Conversion Note: Reduction from a 4 quarter hour course to reduce duplication of topics among Stat and PH-Bio courses. Logistic regression and related topics have been removed from the course. Stat 6450/6950 will now include an introduction to logistic regression, and PH-Bio 7206 has a more in-depth treatment of these topics. This course is now required for the MAS degree.