Stat 112 - 601 Syllabus   Spring 2014

Instructor
Bwalya Mwape

Telephone number
267-316-8384

E-mail address
mwape2@wharton.upenn.edu

Class meeting times and location:
Wednesdays   6:30pm – 9:30pm   JMHH F50

Course prerequisites: STAT 111

Required Textbook: R. Lyman Ott & Michael T. Longnecker: An Introduction to Statistical Methods and Data Analysis, 6th Edition, 2010

Topics

1. Introduction and review
2. Simple linear regression
3. Multiple regression
4. Residual analysis
5. Model building and variable screening
6. One way analysis of variance
7. Two way analysis of variance
8. Analysis of Covariance
9. Logistic regression

Reading assignments: see the reading assignments page.

Homework assignments: see the homework assignments page.

Tests: You will take two in-class midterm tests and a Final. The Final Exam is cumulative. Each test will cover specific topics listed above. The tests are open-book.

Grades: The course grade will be based on homework (10%), tests (20% each), and the final exam (50%). The homework grade will reflect completeness and timeliness, not correctness; you are encouraged to work together to master these exercises.

Those auditing the course are excused from the tests, but meet all other course requirements, including timely submission of homework.

Policies regarding attendance, absences, incomplete grades and late assignments will be discussed first day of class.

A more detailed course outline will be handed out in class.