COURSE AND CONTACT INFORMATION

- Course: STAT-6210 / Data Analysis
- Semester: Spring 2015
- Time: Tuesday, 6:10 pm - 8:40 pm
- Location: 2020 K Street / Room 8

INSTRUCTOR

- Name: Yang Cheng, Ph.D.
- Phone: 301-763-3287
- E-mail: yangcheng@gwu.edu
- Office hours: before and/or after class, or by appointment

COURSE DESCRIPTION

This course will review statistical principles of data analysis, using computerized statistical analysis procedures provided by the Statistical Analysis System (SAS). Topics include: linear and multiple regression, analysis of contingency tables and categorical data, logistic regression for qualitative responses, generalized linear model, Principal Component Analysis, Factor Analysis, and other traditional statistical methods.

COURSE PREREQUISITES

- STAT-2118 or equivalent
- STAT-4157 or equivalent
- STAT-6201 or equivalent
- STAT-2183 or equivalent

TEXTS

- Required: None
- Recommended
- Additional course material will be provided by the instructor

LEARNING OUTCOMES

As a result of completing this course, students will be able to:

- Explore different types of data
- Perform statistical analysis
- Report analysis results

GRADING

- Homework (weekly, take home): 30%, work independently
- Quizzes (2, in class): 34%, work independently
- Final exam/presentation/project: 36%, work independently
NOTE: IN ACCORD WITH UNIVERSITY POLICY, THE FINAL EXAM WILL BE GIVEN DURING THE FINAL EXAM PERIOD AND NOT THE LAST WEEK OF THE SEMESTER

CLASS POLICIES
• Regular class attendance
• No early or make-up homework or project
  o Except under extraordinary circumstances, in which a written request and related documentation must be submitted as early as possible
• Religious holidays will be accommodated
• University policies on teaching are available at http://www.gwu.edu/~academic/Teaching/main.htm

ACADEMIC INTEGRITY
I personally support the GW Code of Academic Integrity. It states: “Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information.” For the remainder of the code, see: http://www.gwu.edu/~ntegrity/code.html

SUPPORT FOR STUDENTS OUTSIDE THE CLASSROOM
• DISABILITY SUPPORT SERVICES (DSS)
  Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: http://gwired.gwu.edu/dss/

• UNIVERSITY COUNSELING CENTER (UCC) 202-994-5300
  The University Counseling Center (UCC) offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include:
  o crisis and emergency mental health consultations
  o confidential assessment, counseling services (individual and small group), and referrals
    http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices

SECURITY
In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building. After evacuation, seek shelter at a predetermined rendezvous location.