Course and Contact Information

- **Time:** Tuesday 12:45 - 3:15 PM
- **Location:** 2020 K St NW, Room 10

Instructor

- **Name:** Emre Barut
- **Campus Address:** Rome Hall 763, 801 22nd St. NW
- **Phone:** (202) 994-9025
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- **Office Hours:** Monday 4-5 PM

Teaching Assistant

- **Name:** Xin 'Ray' Hu
- **Email:** huxin@gwu.edu

Textbooks

- **An Introduction to Statistical Learning** (by Gareth James, Daniela Witten, Trevor Hastie and Robert Tibshirani): A great book on different statistical learning methods. Available online for free at www-bcf.usc.edu/~gareth/ISL/

Recommended Textbooks

- **The Elements of Statistical Learning** (by Trevor Hastie, Robert Tibshirani and Jerome Friedman): A more advanced version of ISL by James et al. Available online for free at statweb.stanford.edu/~tibs/ElemStatLearn/.
- **SAS and R** (by Ken Kleinman and Nicholas J. Horton): SAS-R dictionary.
- **Applied Medical Statistics using SAS** (by Geoff Der and Brian S. Everitt)

Prerequisites:

- STAT 2118 (Regression Analysis) or equivalent
- STAT 4157/6201 (Introduction to Mathematical Statistics) or equivalent
- STAT 2183 (Intermediate Statistical Laboratory) or equivalent
Learning Outcomes

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

1. Formulate a statistical model,
2. Perform statistical analysis using statistical packages,

Grading

- Homework (40%): 7-9 assignments.
- Class Participation (4%): Participation during the discussion sessions.
- Project I (13%): 2 parts, (i) data analysis with R, (ii) Final Project proposal.
- Project II (13%): 2 parts, (i) data analysis with R, (ii) exploratory data analysis for Final Project.
- Final Project (30%): Detailed statistical analysis of a data set.
- Homeworaks will be due on Tuesday before class, unless noted otherwise. Late work will not be accepted.

Blackboard

- Please check Blackboard frequently, as there may be assignments, announcements, and material passed to the class during the week. You can find it at blackboard.gwu.edu. You’ll need to login using your GW user ID and password.

Academic Integrity

- I support the GW Code of Academic Integrity (studentconduct.gwu.edu). 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.”

- Any case of the slightest hint of cheating will be prosecuted to the fullest extent of the university Academic Integrity Policy. You will receive an automatic F, and the case will be taken to the proper administrative channels.

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 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: crisis and emergency mental health consultations confidential assessment, counseling services (individual and small group), and referrals. See counselingcenter.gwu.edu.
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.