Instructor:
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Department of Biostatistics
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Class Schedule: Tuesdays 11am – 12:50pm in Health Sciences T359, except Tuesday 4/25 due to a conference. We will reschedule the 4/25 class at a mutually agreeable time. **Please hold: Fri 4/28, 8:30-10:20am and Mon 4/24 1-2:50pm, until we learn about room availability**

Office Hours:
Tuesdays 10:30-10:50am and 1-1:30pm in Health Sciences F657, except 4/25 due to a conference. I am available other times by appointment; please send an email to schedule an appointment.

Course Canvas Page: https://canvas.uw.edu/courses/1137620.
The course canvas page will contain: the course syllabus, lecture notes and other resources, homework assignments, and data sets for homework assignments.

Course Objective: The purpose of this course is to provide practical experience in data analysis and scientific report writing and presentations. The course is intended for graduate students in Statistics and Biostatistics who have completed at least BIOST/STAT 570. Students will be given data sets to analyze along with a description of each study and the scientific questions asked by the investigator. Students will be expected to formulate a data analysis plan, analyze the data, and prepare a written report or oral presentation. Reports and presentations should be self-contained and accessible to a non-statistician with some knowledge of statistics. The goal of this class is not to learn new analysis techniques or get a consensus on which approach is best, but rather to select and implement a sensible approach to addressing the scientific questions, and to describe the results in a meaningful and accessible way.

Class Sessions: Typical class sessions will consist of student presentations and discussion (about 50 minutes), 10 minute break, and small group reviews of peer reports (about 50 minutes).

Auditors: No auditors will be permitted due to the nature of this course.

Computers and Software:
Students may use any statistical software to perform data analyses for this course, but it is assumed that most students will use R.

Homework assignments: Every week, students will prepare an oral presentation OR written report related to a data set. Homework must be done independently.
**In-Class assignments:** Most weeks, students will discuss a subset of written peer reports in small groups during class, and submit a brief written review of the reports.

**Learning Environment:** Typical class sessions will consist of student presentations and discussion, and small group reviews of peer reports. Please avoid side conversations when the instructor or other students are presenting. Please listen respectfully to other students’ comments during discussion and avoid interrupting them. If you disagree with another student’s opinion, please do so respectfully and constructively. Please keep laptops closed during peer presentations. Please keep small group discussions of peer reports at a low volume so as not to be a distraction to other groups. Please try to arrive in enough time to be settled when class begins.

**Grading:** This is a Credit/No Credit course. To receive credit, you must submit all homework and in-class assignments on time, attend class, and participate in class. Class participation includes giving oral presentations (when assigned), contributing to class discussion, and writing reviews based on small group discussion of peer reports. Reports, presentations, discussion and reviews need not be perfect but they must represent a good faith effort. Feedback will consist of in-class discussion, written peer reviews and/or instructor reviews.

The UW School of Public Health seeks to ensure all students are fully included in each course. We strive to create an environment that reflects community and mutual caring. We encourage students with concerns about classroom climate to talk to your instructor, your advisor, a member of the departmental or SPH Diversity Committee and/or the program director. DCinfo@uw.edu is a resource for students with classroom climate concerns.

If you have any other concerns about the class, please feel free to talk (or write) to us at any time during the quarter. If you are not satisfied with our response, you may contact the Department of Biostatistics Chair (bchair@uw.edu). You may also contact the Graduate School at G-1 Communications Building, by phone at 206-543-5139 or by email at raan@uw.edu.

**Academic Integrity** (http://sph.washington.edu/students/academicintegrity/)
Students at the University of Washington (UW) are expected to maintain the highest standards of academic conduct, professional honesty, and personal integrity.

The UW School of Public Health (SPH) is committed to upholding the standards of academic integrity consistent with the academic and professional communities of which is a part. Plagiarism, cheating, and other misconduct are serious violations of the UW Student Conduct Code (WAC 478-120). We expect you to know and follow the university’s policies on cheating and plagiarism, and the SPH Academic Integrity Policy. Any suspected cases of academic misconduct will be handled according to the University of Washington regulations.

**Access and Accommodation**
Your experience in this class is important to us. If you have already established accommodations with Disability Resources for Students (DRS), please communicate your approved accommodations to me at your earliest convenience so we can discuss your needs in this course.
If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but not limited to: mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS. DRS offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions. Reasonable accommodations are established through an interactive process between you, your instructors(s) and DRS. It is the policy and practice of the University of Washington to create inclusive and accessible learning environments consistent with federal and state law.