Course Syllabus
STAT 220: Basic Statistics
Summer 2021

Instructor  
Anne Wagner  
Email: amwag[at]uw.edu  
Office Hours: Monday 11:00AM-12:00PM or by request

TA  
Ziyi Li  
Email: ziyil4[at]uw.edu  
Office Hours: Monday 7:30PM-9:30PM

Lectures  
M/W/Th 9:40-10:40, Zoom  
Lectures are the primary source of course material and will be vital to completing other course objectives. If you are unable to attend a lecture, consult the weekly reading assignments for any material missed (and feel free to email questions).

Quiz Section  
T/Th  
AA: 10:50-11:50, Zoom  
AB: 12:00-1:00, Zoom  
Quiz sections are an important opportunity for students to interact closely with the TA, work with classmates, review course material, and ask questions about homework.

Course Description  
Introduces statistical reasoning. Focuses primarily on the what and why rather than the how. Helps students gain an understanding of the rationale behind many statistical methods, as well as an appreciation of the use and misuse of statistics. Encourages and requires critical thinking.

Text  
The Basic Practice of Statistics (5th edition) by David S. Moore  
ISBN: 978-1-4292-2426-0  
CD-ROM/Electronic Access is NOT required

Homework  
Homework assignments will be due each week, tentatively on Tuesdays but subject to change. Assignments will need to be submitted online via Canvas by 10:00PM on the due date. Late homework will be accepted with a 25% decrease in maximum credit per day. Homework will be worth 25% of the overall grade, and may include in class participation from lecture or quiz section. Assigned problems for which solutions are provided in the text will require showing work to receive credit.

Exams  
The course will feature three quizzes, tentatively scheduled for July 9, July 30, and August 20 (subject to change). The exams will be worth 25% of the overall grade each. Make-up exams will not be offered unless for a university approved absence or prearranged with the instructor. You will have 24 hours to start the exam on Canvas, and two hours to complete it. Exams are intended to take approximately one hour.

Collaborative Learning  
I believe the learning process is a collaborative effort, and I honestly have zero idea how to combat cheating in remote teaching, so... Any assignment can be worked on collaboratively; you must share who you worked with, show all your own work, and free response answers must be in your own words (Identical responses will receive no credit for either respondent). This includes working together on quizzes.
To request academic accommodations due to a disability, please contact Disabled Student Services: 448 Schmitz, 206-543-8924 (V/TTY). If you have a letter from D.S.S. indicating that you have a disability which requires academic accommodations, please present the letter to the instructor so we can discuss what you might need in the class or during an exam.

Tentative Schedule

- **Week 1 – June 21st**
  - Chapter 1: Picturing Distributions with Graphs
  - Chapter 2: Describing Distributions with Numbers

- **Week 2 – June 28th**
  - Chapter 10: Introducing Probability
  - Chapter 12: Rules of Probability

- **Week 3 – July 5th**
  - Chapter 3: The Normal Distribution
  - QUIZ – Friday the 9th

- **Week 4 – July 12th**
  - Chapter 11: Sampling Distributions
  - Chapter 8: Producing Data – Sampling

- **Week 5 – July 19th**
  - Chapter 14: Introduction to Inference
  - Chapter 15: Thinking about Inference

- **Week 6 – July 26th**
  - Chapter 17: Inference about a Population Mean
  - QUIZ – Friday the 30th

- **Week 7 – June 2nd**
  - Chapter 4: Scatterplots and Correlation
  - Chapter 5: Regression

- **Week 8 – August 9th**
  - Chapter 23: Inference for Regression
  - Chapter 6: Two-Way Tables

- **Week 9 – August 16th**
  - Chapter 22: The Chi-Squared Test
  - QUIZ – Friday the 20th