

ECON 2100 | Business Statistics
Department of Economics
Albers School of Business and Economics
Seattle University
Spring 2022

Class: Tuesday and Thursday 10:15 a.m. - 12:20 p.m. | Bannan 407
Office Hours: Monday 1:00-2:00 p.m. & Thursday 2:00-3:00 p.m. | Zoom

Instructor: Bridget Hiedemann
Office: Pigott 531B
Phone: (206) 296-2803
E-mail: bgh@seattleu.edu

Overview

Business Statistics introduces business and economics students to basic statistical procedures and concepts used in the business world. The course covers descriptive statistics, basic probability concepts and rules, discrete and continuous probability distributions, sampling distributions, interval estimation, and hypothesis testing.

Pre-requisites for this course include successful completion of a course in calculus (MATH 1130, 1331, 1334, or the equivalent) and sophomore standing.

Objectives

Successful students in the class will develop:

- a robust understanding of fundamental statistical concepts;
- the ability to describe and analyze qualitative and quantitative data;
- the ability to apply basic probability rules and an understanding of unconditional, conditional, and joint probabilities;
- the ability to use Microsoft Excel to generate statistical results;
- the ability to critically evaluate and interpret statistical findings;
- an appreciation of the use of statistics in the analysis of business and economic issues;
- the ability to communicate the results of statistical analysis accurately and concisely;
- an appreciation of the complexity of statistical analysis.

Materials

Freed, Jones and Bergquist (2013). *Understanding Business Statistics*. Wiley Publishing.

Canvas includes a module for each class session. Following each of these modules is an asynchronous module with assignments.

Attendance and Participation

Numerous studies have shown that when students actively ask and answer questions, they take greater interest in the material, clarify shared misconceptions, and retain more information. Studies also show that missing classes – and therefore missing the opportunity to process ideas together with your peers – negatively affects your grades, even without an attendance grade. Accordingly, I expect you to attend each class. However, if you expect to be absent or late, please let me know as soon as possible and get the notes from a classmate.

In addition, I would like to see all of you find ways to participate actively in class discussions and activities.

Office Hours and Tutoring

Office hours provide an opportunity for you to meet with me one-on-one or in small groups to discuss course content or assignments. You can access my office hours from the Zoom section of Canvas. I set up a waiting room in case you have confidential questions; otherwise, I will admit those in the waiting room.

If you have a question that I can address over email or if you would like to schedule an appointment outside of regularly scheduled office hours, please send me a message through Canvas.

In addition to office hours, the Department of Economics offers a [free tutoring service](#) for many of our courses including ECON 2100.

Class Norms and Etiquette

Please limit your use of computers, tablets, or smart phones to class-related activities (i.e., please refrain from surfing the web, reading or sending email or texts, and similar activities). Many organizations seek employees who can be professional and focused in an in-person or online setting, so the etiquette practiced here will contribute to your professional formation.

I expect you to attend Zoom meetings (office hours and appointments) with your video on to help build community, enable greater communication, and demonstrate professional courtesy.

I welcome your questions and insights in class, but please give others the chance to participate as well.

Assignments, Quizzes, and Exams

In addition to assigned readings, assignments include recommended problems; online discussions; and three projects. The projects require you to determine which statistics are relevant; generate these statistics with Microsoft Excel; interpret your results; and communicate these results in a clear and professional manner to a non-technical audience.

All assignments will be available in the appropriate asynchronous module on Canvas. All assignments need to be submitted on time on Canvas.

The course includes five in-class quizzes and two exams. I will administer quizzes and exams using the Quiz feature on Canvas. Laptops will be provided. Quizzes and exams may not be taken remotely or rescheduled, but I will drop your lowest quiz.

Grading

Quizzes (Best Four)	20%
Exams	45%
Projects	30%
Participation in Class and Online Discussions	5%

I will use the grading cutoffs below:

A	94 [Superior]
A-	90
B+	87
B	83 [Good]
B-	80
C+	77
C	73
C-	70 [Adequate Minimum Grade Required to Avoid Re-taking the Course]
D+	67
D	63 [Poor]
D-	60

Tentative Schedule of Quizzes, Exams, Excel Workshop, Project Deadlines, and Holidays

April 5	Quiz 1
April 7	Mission Day No Class
April 12	Quiz 2 and Excel Workshop 1
April 18	Easter Break No Office Hours
April 19	Stocks Project Due
April 26	Quiz 3 and Excel Workshop 2
May 3	Midterm
May 10	Portfolio Project Due
May 17	Quiz 4
May 24	Excel Workshop 3
May 30	Memorial Day No Office Hours
May 31	Quiz 5
June 2	Gender Earnings Gap Project Due
June 7 (10:00 a.m.)	Final Exam

Academic Honesty

In keeping with the mission of the school and university, students are expected and required to conform to the norms of academic honesty. Academic misconduct will be dealt with harshly. Academic misconduct includes (but is not limited to) using unauthorized written or electronic materials on a quiz or exam, copying another student's quiz or exam, or allowing another student to copy yours, and passing off someone else's writing or ideas as your own in writing assignments. Possible consequences for academic misconduct range from zero credit on an assignment to failing the class.

Academic Policies

Review the following university academic policies on the Registrar's website:

- [Academic Integrity Policy](#)
- [Academic Grading Grievance Policy](#)
- [Complete Set of Policies](#)

Academic Resources

The university offers numerous academic resources for students. Some or all of the following resources may be relevant for students in this course:

[Advice on Study Habits](#)

[Library and Learning Commons](#)

[Writing Center](#)

[English-Language Learning Center \(ELLC\)](#)

[Academic Integrity Tutorial](#)

Accommodation for Disabilities

Seattle University values diverse types of learners. Faculty are committed to providing each student with an equal opportunity to participate in learning experiences. For disability and other learning-related needs and accommodations that you have already arranged via Disability Services, please communicate with me during the first week of class through email or during office hours. Should concerns arise at any point in the quarter, please let me know as soon as possible.

If you have, or think you may have, a disability (including an “invisible disability” such as a learning disability, a chronic health problem, or a mental health condition) that interferes with your performance as a student in this class but have not yet arranged support services and/or accommodations, I encourage you to do so through Disability Services staff at DS@seattleu.edu or (206) 296-5740. Disability-based adjustments to course expectations can be arranged only through this process. I am committed to working with you, so please do not hesitate to contact me.

Religious Accommodations

It is the [policy](#) of Seattle University to reasonably accommodate students who, due to the observance of religious holidays, expect to be absent or endure a significant hardship during certain days of their academic course or program.

Office of Institutional Equity

Title IX of the Education Amendments of 1972 (Title IX) prohibits discrimination based on sex in educational programs or activities that receive Federal financial assistance. This prohibition includes sexual misconduct, which encompasses sexual harassment and sexual violence. Seattle U remains committed to providing a safe and equitable learning, living, and working environment. Seattle U offers emergency, medical, and other support resources, as well as assistance with safety and support measures, to community members who have experienced or been impacted by sexual misconduct.

Seattle U requires all faculty and staff to notify the University's Title IX Coordinator if they become aware of any incident of sexual misconduct experienced by a student.

For more information, please visit <https://www.seattleu.edu/equity/>. If you have any questions or concerns, you may also directly contact the Title IX Coordinator in the Office of Institutional Equity (email: oie@seattleu.edu; phone: 206.296.2824).