

BA 275 - Business Quantitative Methods
Online (CRN 40931)
Spring Quarter 2022

Instructor: Paul Hibbard
Office: MKH-115 (Albany)
Office Hours: 10 - Noon (Monday and Wednesday). [Zoom Link](#)
Email: hibbarp@linnbenton.edu

Text and Required Resources:

- Essentials of Statistics for Business & Economics, 9th ed. Anderson, Sweeney, Williams, Camm & Cochran, South-Western, Cengage Learning (2020)
- Graphing Calculator (TI-83 or TI-84 works the best) or Excel

Purpose of Course:

Upon successful completion of this course, the student will be competent in the use of basic statistical applications in gathering and analyzing data, constructing and conducting research experiments, and appropriate model selection in solving business problems.

Classroom Requirements for all Students and Faculty due to COVID-19:

LBCC has established rules and policies to make the return to the classroom as safe as possible. It is required for everyone to follow all the Return to Campus rules and policies. To participate in this class, LBCC requires all students to comply with the [following AR's](#).

Course Outcomes:

1. Understand the meaning and use of statistical terms used in business statistics.
2. Collect, organize, summarize, interpret, and present data in tables and charts.
3. Understand and apply descriptive statistical measures to business situations.
4. Understand and apply probability distributions to model different types of business processes.
5. Understand and apply statistical inference techniques (including statistical estimation and hypothesis testing) in business situations.
6. Understand and apply simple linear regression analysis to business situations.

Grading:

Final course grades will be determined based on the following weighted grade categories:
Homework 30%, Quizzes 30%, Exams 40%.

A = 90-100% Excellent Work
B = 80-89% Good Work
C = 70-79% Average Work
D = 60-69% Poor Work
F = 0-59% Failing Work

College Policies:

LBCC Email and Course Communications:

You are responsible for all communications sent via Moodle and to your LBCC email account. You are required to use your LBCC provided email account for all email communications at the College. You may access your LBCC student email account through Student Email and this course through Moodle.

Statement of Inclusiveness and Equal Access:

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in this class, please contact your instructor as soon as possible to discuss your needs. If you think you may be eligible for accommodations but are not yet registered with CFAR, please visit the CFAR Website for steps on how to apply for services. Online course accommodations may be different than those for on-campus courses, so it is important that you make contact with CFAR as soon as possible.

Statement of Inclusion

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.

[Equal Opportunity and Non-Discrimination Policy](#)

Basic Needs Statement:

Any student who has difficulty affording food or finding a safe and stable place to live, or who needs assistance with resources for transportation, childcare, etc., is urged to contact the Roadrunner Resource Center for support and referral to community resources. Also, please talk with your instructor if you are comfortable doing so. This can help them direct you to the appropriate office and resource.

Title IX Reporting Policy:

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can report a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

Public Safety/Emergency Resources:

In an emergency, call 911. Also, call LBCC Public Safety and Loss Prevention Office at 541-926-6855 and 541-917-4440.

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a public safety app available for free. We encourage people to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed. Visit them to learn more.

Academic Honesty

Academic integrity is the principle of engaging in scholarly activity with honesty and fairness, and participating ethically in the pursuit of learning. Academic integrity is expected of all learners at LBCC. Behavior that violates academic integrity policies at LBCC includes cheating, plagiarism, unauthorized assistance or supporting others in engaging in academic dishonesty, knowingly furnishing false information, or changing or misusing college documents, among others. LBCC students are responsible for understanding and abiding by the College's academic integrity policy.

If I become aware of academic misconduct, I will meet with the student(s) in question to discuss the matter and may assign a consequence of an "F" or "NP" for part of the assignment, the entire assignment, or the course overall. I will also report the matter to the Manager for Student Conduct and Retention, and the College may take further disciplinary action. When in doubt if something constitutes academic misconduct, please contact me and ask for clarification.

Please note: there has been an epidemic of cheating using online sites such as Quizlet, Yahoo, Course Hero, Chegg, etc. Using such sites during the completion of any graded assignment (e.g. HW, quiz or exam) makes it very difficult for me to discern and fairly

evaluate what work is your own original work and what work was done by someone else. Therefore, use of these sites in my class constitutes cheating and will be addressed under LBCC's academic integrity policy through a grade penalty (F or NP) on the assignment or in the course, and a referral to the student conduct office. I highly recommend not using these sites at all during the term.

Changes to the Syllabus

I reserve the right to change the contents of this syllabus due to unforeseen circumstances. You will be notified via email if any relevant changes are made.

Week	Topic	Readings	Graded Assignments (In Webassign)	Due Dates (due at 11:59 P.M.)
Week 1 03/28/22 - 04/03/22	Data and Statistics Descriptive Statistics	Chapter 1 Chapter 2	Chapter 1 & 2	04/02/22
Week 2 04/04/22 - 04/10/22	Descriptive Statistics: Numerical Measures	Chapter 3	Chapter 3	04/09/22
Week 3 04/11/22 - 04/17/22	Continuous Probability Distributions	Chapter 6	Chapter 6	04/16/22
Week 4 04/18/22 - 04/24/22	Sampling and Sampling Distributions	Chapter 7	Chapter 7	04/23/22
Week 5 04/25/22 - 05/01/22	Interval Estimation	Chapter 8	Chapter 8	04/30/22
Week 6 05/02/22 - 05/08/22	Hypothesis Tests	Chapter 9	Chapter 9	05/07/22
Week 7 05/09/22 - 05/15/22	Inference About Means and Proportions with Two Populations Midterm Exam	Chapter 10	Chapter 10	05/14/22
Week 8 05/16/22 - 05/22/22	Comparing Multiple Proportions, Test of Independence and Goodness of Fit	Chapter 12	Chapter 12	05/21/22
Week 9	Experimental Design and Analysis of Variance	Chapter 13	Chapter 13	05/28/22

05/23/22 - 05/29/22	Simple Linear Regression	Chapter 14 (14.1, 14.2 & 14.3)	Chapter 14 (14.1, 14.2 & 14.3)	
Week 10 05/30/22 - 06/05/22	Simple Linear Regression	Chapter 14 (14.4, 14.5, 14.6, 14.7, 14.8 & 14.9)	Chapter 14 (14.4, 14.5, 14.6, 14.7, 14.8 & 14.9)	06/04/22
Finals 06/06/22 - 06/08/22	Final Exam			06/07/22