

CSU-Pueblo Hasan School of Business
Fall 2025 Syllabus
BUSAD 265 Inferential Statistics and Problem Solving
TTh 1:00-2:20 in HSB 111

Instructor: Justin O. Holman, Ph.D.

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Office Hours: MTTh 2:20-3:00 or by appointment

Course Description: Introduction to elementary statistics, inferential statistics and problem solving methods with applications for undergraduate business students.

Instructional Methods: Traditional in-person, face-to-face.

Course Objectives/Student Learning Outcomes (SLOs): Students will learn to utilize statistical methods including measures of central tendency and variance, normal distribution, sampling, parameter estimation, hypothesis testing, correlation, linear regression, ANOVA and other problem solving methods as time permits. Focus on spreadsheet environment.

Prerequisites: MATH 121 or equivalent

Expected student effort: 2250 minutes

Credit hours: 3

Materials:

- **Text:** [Optional] [Business Statistics 7th Ed., by Ken Black](#); or [Intro to the Practice of Statistics 6th Ed., by Moore et al.](#)
- **Courseware/Video/Software:** Google Sheets, Microsoft Excel; Against All Odds

Course Requirements:

- **In-class Activities:** Attendance, participation, assignments (20%).
- **Midterm Exams:** 3 midterms (20% each = 60%).
- **Final Exam:** comprehensive final (20%)

Grading: Each grading component will be assigned a percentage score. The weighted average of these scores will determine your final grade. Standard grading thresholds will apply, i.e., $\geq 90\%$ will earn an A, $\geq 80\%$ a B, $\geq 70\%$ a C, $\geq 60\%$ a D, and $< 60\%$ an F.

Classroom Etiquette: Professional behavior is expected at all times. Disruptive behavior in the classroom will not be tolerated. Anyone causing a disturbance will be asked to leave. Multiple infractions will result in referral to the Office of Student Judicial Affairs or similar.

Accommodations:

<https://www.csupueblo.edu/disability-resource-and-support-center/faculty-staff-resources.html>

If you have a documented disability that may impact your work in this class and for which you may require accommodations, please see Disability Resources as soon as possible to arrange services. Disability Resources is located in OSC 104 and can be reached by phone

(719-549-2648) and email (csup_dro@csupueblo.edu).

Starfish Performance Notifications:

Starfish notifications inform you and your academic success team on your performance in this class. Reading these emails and/or texts and taking the suggested actions is highly encouraged for your success. Please access Starfish through PAWS to view your kudos or flags. You may also access Tutoring and request assistance from many other services through Starfish.

Course Evaluations:

Faculty are required to set aside a time during a class period for student course evaluation. The evaluation period will take place between the 87% and 100% courses timeframe. Please be prepared to complete your course evaluation digitally during the final week of class.

Reference for Concerns, Counseling, Academic Misconduct, Institutional Equity:

https://www.csupueblo.edu/provosts-office/_doc/ay2025-26-syllabus-reference.pdf

Important Dates (subject to change):

- Exam Dates: Sep 18, Oct 16, Nov 20
- Final Exam: Dec 16 (Tue) at 1-3:20p

Class Schedule (subject to change):

<u>Week</u>	<u>Topics</u>
1	Introduction, Distributions, Stemplots, Histograms
2	Percentiles, Boxplots and Variance
3	Normal Distribution, Z-Scores, Standard Normal, Normal Curve Problems
4	Exam 1
5	Sampling, Sampling Distributions and Inference
6	Estimation, Confidence Intervals, Small Samples with t-distribution
7	Inference for Proportions
8	Significance Testing
9	Exam 2
10	Correlation
11	Least Squares
12	Linear Regression
13	ANOVA
14	Exam 3
15	Thanksgiving
16	Review for comprehensive final
17	Finals Week

Generative AI Statement:

Use of generative AI technology is encouraged.