



MGMT 2340 Syllabus

Semester: Spring

Year: 2025

Course Prefix: MGMT

Course and Section #: 2340-002

Course Title: Business Statistics I

Credits: 3

Course Description

Presents an application of statistics in business and economics covering methods of collecting, analyzing, and presenting data. Includes frequency distributions, averages, index numbers, probability, sampling, estimation, analysis of variance, time series, regression and correlation, and chi-square.

Course Fee Disclosure

A printed textbook is not required for this course. This class will use electronic text and electronic course content that will be accessed through the Canvas website in McGraw Hill Connect for the course. This electronic content will be available the first day of class for all enrolled students. A \$93 charge will be assessed for all students who are still enrolled as of Feb 6th which is the last day to receive a full 100% refund. This charge maybe listed as a “canvas Course Materials/McGrawHill”. This fee will be included in the \$250 Wolverine Access. Students taking this class will also be required to pay a \$40 software fee and a \$13 lab access fee that are not included in the \$250 access fee.

Course Prerequisite

Prerequisite(s): MGMT 2240 (Business Calculus), MATH 1050, MATH 1055, or MATH 1090 taken within the last two years with grade of C- or better or appropriate placement assessment score.

Course Attributes

This course has the following attributes:

- General Education Requirements
- Global/Intercultural Graduation Requirements
- Writing Enriched Graduation Requirements
- Discipline Core Requirements in Program
- Elective Core Requirements in Program
- Open Elective

Other: *Click here to enter text.*

Instructor Information

Instructor Name: Ron Miller Professor

Student Learning Outcomes

After successful completion of this course, students will:

- be able to view decision-making problems from a quantitative perspective.
- understand the importance of data collection and analysis in making business decisions.

- be able to assess technical presentations effectively.
- be proficient with graphical exploration tools for extracting information from data.
- have learned key tools and concepts very well, retain them, and use them in the future.
- see the relevance of statistics in everyday life.
- know when to be skeptical of data results.

Course Materials and Texts

Texts required for course: **Business Statistics: Communicating with Numbers, 5th edition, by Jaggia and Kelly, 2025.** A *printed* textbook is not required for this course. This class will use an **electronic text** and **electronic course content** that will be accessed through the Canvas on Modules (2nd from the top (Home) in **McGraw Hill Connect** for the course.

Required Software: **Excel (Microsoft 365)**, Visit the following link to browse and download Microsoft Office 365 (<https://www.uvu.edu/software/>)

R and R Studio work on Windows and Apple computers. If you have a Chromebook or would rather use the Cloud version of R/R Studio, see the following video:

<https://www.youtube.com/watch?v=qqvLmBkVsaI>

Please also see this video which covers installation and program use:

<https://www.youtube.com/watch?v=7wMpMyb5jF8>

Follow the procedures outlined at: <https://posit.co/download/rstudio-desktop/>

See Appendix C in the Jaggia and Kelly text for more information on the software

Course Requirements

Course Assignments, Assessments, and Grading Policy

SmartBook/Questions: To assist in reading the text for the class, weekly SmartBook assignments are offered related to topics under study. (10% of overall grade)

Homework: Weekly practice problems related to topics under study and strongly suggest completing & submitting each homework as soon as finish the corresponding chapter. Homework assignments consist of multiple choice/true false quizzes. These can be retaken for credit. Only the highest grade will be kept. (30% of overall grade)

Exams: Weekly exams that are similar to problems from the homework. Exams are to be taken using only your class notes, the textbook, and other materials supplied by the professor (e.g., PowerPoint slides). Any attempt to copy or otherwise reproduce exam questions will be treated as academic misconduct. **No make-up exams are given.** Exams can be retaken while open if you wish to improve your score, with only the highest score retained. (60% of overall grade)

Required or Recommended Reading Assignments

All required readings use chapters from the course text that align with the contents of chapter below.

General Description of the Subject Matter of Each Lecture or Discussion

Chapter 1: Data and data preparation

Chapter 2: Data visualization

Chapter 3: Summary measures

Chapter 6: Continuous probability distributions

Chapter 7: Sampling and sampling distributions

Chapter 8: Interval estimation

Chapter 12: Chi-Square testing

Chapter 13: Analysis of variance

Chapter 14: Correlation and regression

Chapter 18: Forecasting with time series data

Chapter 19: Returns, index numbers, and inflation

Required Course Syllabus Statements

Generative AI

This course requires you to complete assignments that assess your understanding and application of the material. You are expected to do your own work, and the use of artificial intelligence (AI) tools, such as chatbots, text generators, paraphrasers, summarizers, or solvers, is strictly prohibited for any part of your assignments. Using these tools will be considered academic dishonesty and will be handled according to the university's policy. If you have questions about acceptable use of AI tools, please consult the instructor before submitting your work.

Using Remote Testing Software

This course does not use remote testing software.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that

produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: Student Code of Conduct](#).

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.