

# Managerial Statistics

Dr. Logan J. Kelly

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## Contact Information

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## Office Hours

By appointment link:  
<http://tiny.cc/DrKelly>

## Course Information

- **Course Title:** Managerial Statistics
- **Subject Code:** ECON
- **Course Number:** 730
- **Section Number:** 01
- **Credits:** 3
- **Prerequisites:** Admission to the MBA program
- **Mode of Instruction:** Online
- **Class Meeting Dates and Times:** Asynchronous, with deadlines for assignments and participation as outlined in the course schedule.
- **Course On-Line Location:** Canvas (<https://uwrf.instructure.com>)

## Course Description

This course will teach students to solve a variety of business problems using advanced statistical techniques for quantitative analysis. Case studies will be used intensively to model the application of statistics in evidence-based decision making. Upon successful completion of this course, students will be able to apply quantitative techniques in a variety of decision-making contexts.

## Technology Requirements

You will need the following to complete this class:

- A computer with internet access. A tablet or Chromebook may not be sufficient to complete all class activities.
- Reliable broadband internet service.
- Microphone and web camera.

If you need help getting set up for classes, please let me know.

## Course Objectives

At the end of this course, students will be able to:

- Collect data from primary and secondary sources.
- Organize, summarize, and present data and quantitative analysis.
- Apply quantitative techniques in a variety of decision-making contexts.

## Required Text and Materials

- **Required Text:** Class notes provided via Canvas.
- **Optional Texts:**
  - *Introductory Statistics*. Openstax. Barbara Illowsky, et al. <https://openstax.org/details/books/introductory-statistics>
  - *Learning Statistics with R - A tutorial for Psychology Students and other Beginners*. Danielle Navarro <https://stats.libretexts.org/@go/page/3936>

## Grading Policy

Your grade will be determined based solely on the homework case studies you complete during the course, with these case studies accounting for 100% of your final grade.

Letter grades will be assigned based on your performance in these case studies:

A	93.50% or above	C	72.50% - 77.49%
A-	89.50% - 93.49%	C-	69.50% - 72.49%
B+	87.50% - 89.49%	D+	67.50% - 69.49%
B	82.50% - 87.49%	D	59.50% - 67.49%
B-	79.50% - 82.49%	F	59.49% or below
C+	77.50% - 79.49%		

This scale may be adjusted at the end of the semester. If your grade is a borderline case (within 1% of the next highest letter grade), participation will be used to determine whether you will receive the higher grade.

## Use of Generative AI

Generative AI tools, such as ChatGPT, are permissible for helping you complete tasks that you are capable of performing independently without aid. However, it is not permissible to use a generative AI model to perform actions that you are not currently capable of carrying out without assistance. Additionally, you are responsible for verifying the validity of any results or information generated by AI tools. Misuse of AI to complete tasks beyond your current abilities or to bypass critical thinking and understanding is not allowed.

## Major Assignments and Examinations

**Homework Case Studies:** These will be assigned weekly and must be completed by the specified due dates. The assignments will require the use of statistical software to analyze data and provide a detailed analysis of the results. These case studies will make up 100% of your grade.

## **Attendance and Participation Policy**

Since this is an online course, regular participation in course activities is required. You are expected to engage with the course material, complete assignments on time, and participate in any discussion forums as outlined in the course schedule.

## **Late Work and Missed Examination Policy**

Late submissions of assignments will be accepted with a penalty of 10% per day late, up to a maximum of five days. After five days, late submissions will not be accepted. If you have an extenuating circumstance that prevents you from submitting an assignment on time, please contact me as soon as possible to discuss alternative arrangements.

## **Inclusivity, Respect, and Ability/Disability Expectations**

The University of Wisconsin-River Falls is committed to creating an inclusive environment that respects the diversity of all students. If you have a disability that affects your participation in this course, please contact me as soon as possible so that we can work together to ensure your full participation. Additional information on disability services can be found at <http://www.uwrf.edu/disabilityservices/ADA.html>.

## **Campus Policies on Academic Integrity**

Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors. More details on academic integrity can be found in Regents Policy Statements, UWS Chapter 14.

## **Counseling Services Statement**

As a college student, there may be times when personal stressors interfere with your academic performance and/or negatively impact your daily life. If you or someone you know is experiencing mental health challenges at UW-River Falls, please contact Student Health & Counseling Services at 715-425-3884 or email. These services are free and confidential. In addition, UW Mental Health Support 24/7 is available via call or text (888-531-2142). You can learn more about the broad range of confidential mental health services available on campus as well as virtually at the Student Health and Counseling website.

## **Recording Policy**

The recording of instructional materials and lectures is allowed only with advance permission from the instructor in writing. Recordings are meant specifically for personal study and may not be distributed or sold without the instructor's permission.

## **Modifications to the Syllabus**

The instructor reserves the right to modify aspects of the course to meet course objectives and respond to student needs and interests, as long as such modifications are consistent with official course specifications

and any written departmental expectations. Any changes will be communicated to students in a timely manner.