

STAT 2625C - Statistical Literacy and Critical Reasoning with Co-Requisite Support

Summer 2026 Syllabus, Section 01, CRN 30246,

Credit hours: 6

Instructor

Sepideh Khavari

Professional Qualifications:

Master's, Mathematics, Youngstown State University

Bachelor's, Mathematics, Youngstown State University

Bachelor's, Economics, Youngstown State University

Professor

Email: skhavari@ysu.edu

Office: Cafaro Hall, Room 606

Office Phone: (330)-941-1820

Preferred Contact Method: Email: skhavari@ysu.edu

Communication Expectations:

- Start your email with "Dear Professor"
 - End your email with "Sincerely," "Best regards," or "Thank you."
 - State your name and the course you are taking.
 - Use professional language and avoid texting-style abbreviations.
 - Do not use AI to generate long emails. If you use AI, revise the email to make it concise.
 - Proofread your email before sending it.
- Please make sure to email me with any questions/concerns. I will respond to emails as soon as possible.

* I usually respond to emails within 24-hour business days. If you are sending an email on a weekend, you will usually receive a response on Monday.

How to Refer to me:

Professor Khavari

Course Description

2625C. Statistical Literacy and Critical Reasoning with Co-Requisite Support. An introduction to statistics and its applications. Topics include descriptive statistics, experimental design, probability, sampling distribution, statistical inference, correlation and regression. Emphases are on applications, critical reasoning, and data analysis using statistical software. Includes co-requisite support for basic algebra skills required to be successful in the course. 6 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Elementary Statistics with Access (ALEKS)	Allan G. Bluman	8th Edition

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Elementary Statistics with Access. Allan G. Bluman (8th Edition).

- Inclusive Access

This course is part of the Inclusive Access program; you should NOT purchase any course

materials as they are part of your course registration. In the event you drop this course from your schedule on or prior to the last day of DROP/ADD period, your account will be fully refunded automatically.

- Opt-out

By default, students are opted into the content. If the student decides at that time, they do not want their required course materials to be delivered in this program at the low cost offered, they have the option to OPT-OUT. **We highly encourage students not to opt-out. If you choose to opt-out, you will be responsible for obtaining the appropriate course materials/textbook/connect at the full price.**

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Tentative Schedule

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
5/11	Algebra Review Statistics Foundational Topics + Graphs		Discussion Board due 5/17
5/18	Descriptive Statistics		Discussion Board due 5/24
5/25	Probabilities & Discrete Distributions		Discussion Board due 5/31
6/1	Normal Distribtuion & Confidence Intervals		Discussion Board due 6/7
6/8	Hypothesis Testing		Discussion Board due 6/14
6/15	Hypothesis Testing		Discussion Board due 6/21
6/22	Correlation & Regression		Discussion Board due 6/25

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.