

Math 63 - Elementary Statistics
Sec 207, Reg ID: 120028

Instructor: Parran Vanniasegaram

Class Time and Location: TTh 9:15 - 10:35 am, MS-116

Office Hours: MTWTh 7:30 - 7:55 am, MW 11:55 am - 2:05 pm (MS-116)

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Please do not hesitate to contact me with any questions that you have. I am very happy to answer all of your questions!

Textbook: Understandable Statistics: Concepts and Methods, 12th Edition, by Brase and Brase

Calculator: You will need to purchase a TI-83+ or TI-84+ calculator; it will be needed for the labs, homework, quizzes, and exams.

Course Description: This course is an introduction to the study of statistics. It does not require a knowledge of calculus but does assume a familiarity with the concepts of intermediate algebra. Students will learn methods of displaying data, descriptive statistics, basic concepts of probability theory, random variables, common statistical distributions, estimates and sample size, hypothesis testing, goodness-of-fit test, contingency table analysis, test of two independent population parameters, and regression and correlation. Students will apply basic statistical concepts to data from education, business, social sciences, and natural sciences. To aid in the analysis of data, the use of technology will be required.

Time Commitment: As stated in the Evergreen Valley College course catalog, students are expected to spend at least two hours studying outside of class for each credit hour. That means you should be spending at least **three hours** on each homework assignment (reviewing the notes, reading the textbook, doing the homework problems, watching videos related to the course material, etc.).

Student Learning Outcomes: Upon completion of this course, the student will be able to:

1. Analyze and interpret raw data from business, social sciences, psychology, life science, health science, and education using sample statistics and graphs.
2. Calculate probabilities including basic, discrete probability distribution functions, continuous probability distribution functions, and the Central Limit Theorem.
3. Construct and interpret confidence intervals to estimate population means, proportions, and standard deviation for one and two populations, and calculate sample sizes required for various confidence levels.
4. Conduct and interpret hypothesis tests of population means and proportions.
5. Perform a linear regression analysis, and compute and interpret the coefficient of correlation.
6. Test sample real life data for independence and homogeneity in two-way tables.

Disabilities Support Program and Services: If you have a physical or learning disability that requires special accommodations, please see the Disabilities Support Program Counselor. Contact me within the first week of class to communicate your accommodation needs.

Attendance: You are expected to attend all classes, arrive on time, and stay for the entire class; I take attendance every single class. I reserve the right to drop/withdraw students who are absent more than **two** times during the semester. If you miss class, please send me an email (my email address is above) explaining the reason.

Withdrawal/Drop Policy: It is the ultimate responsibility of the student to formally drop the class. You should not rely on the instructor to drop you from a class for non-attendance. You may drop by telephone using the STAR system (408-223-0300), or online using the Self-Service System, or by completing the proper forms in the Office of Admissions and Records. To be eligible for a refund of fees and/or prevent a recorded grade of "F" or "W", you must drop the class on or

before the following posted dates:

February 11 - Last day to drop without a “W” and apply for a refund.

April 25 - Last day to drop with a “W”.

Student Conduct: A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. Please read the course catalog for more information.

Cell Phone Use: There is no reason to have your cell phone out during class. If I see your cell phone, I will ask you to put it away.

Academic Dishonesty: Cheating is absolutely forbidden in my class. Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade in the course and will be reported to college authorities. Please look at Page 233 of the course catalog for more information.

Early Alert: Evergreen Valley College is committed to improving student success and believes that all students can succeed in their academic work and achieve their educational goals. Thus, it has enacted an Early Alert Program allowing instructors early in the semester to notify students who are struggling in their classes who might be at-risk of not passing the course. Once the instructor reports that a student is at-risk of failing the course, the student will receive an email and a follow-up phone call encouraging the student to talk to his/her instructor, seek tutoring (if needed), and/or use other on-campus resources available to students.

Homework is collected every class and the first twenty homework assignments are worth five points each. The last few assignments will be collected, but not graded. Late homework is not accepted under any circumstances.

Quizzes: After the first class, there will be a quiz given right at the beginning of every single class (except for classes where there are exams). The first sixteen quizzes are each worth ten points. The remaining quizzes are ungraded. No makeup quizzes are allowed. Your lowest quiz score will be dropped.

Exams: There will be three exams and each exam is worth 100 points.

Final Exam: The final exam will be given on the last day of classes and it is worth 250 points; it covers the entire semester.

Extra Credit: There is no extra credit given in this class. If you are interested in improving your grade, please spend more time working on the homework assignments.

Grading: It can be inferred from the last few lines that there are 800 total points.

Here is my grading scale:

A	B	C	D	F
90% - 100%	80% - 90%	70% - 80%	60% - 70%	0% - 60%
720 - 800 pts	640 - 719 pts	560 - 639 pts	480 - 559 pts	0 - 479 pts