Math 10.52z(CRN: 44482)   **Fall 2021**   **Statistics**

Rooms: zoom conference   **Instructor**: Parviz Sales

Office hours: 11:00-11:30 a.m. Mon. & 2:35-3:05 pm Thur., Room: Zoom conf.

Phone: (408) 342-4291   **Email:** psales@mitty.com

Prerequisite: Passing grade (C or better) in Intermediate Algebra (Math 114) or equivalent.

Course Description: Introduction to data analysis making use of graphical and numerical techniques to study patterns and departures from patterns. The student studies randomness with an emphasis on understanding variation, collects information in the face of uncertainty, checks distributional assumptions, tests hypotheses, uses probability as a tool for anticipating what the distribution of data may look like under a set of assumptions, and uses appropriate statistical models to draw conclusions from data. The course introduces the student to applications in engineering, business, economics, medicine, education, the sciences, and other related fields.

Textbook & Relate Materials: Statistics Labs and Study Guides (Canvas download). TI 83, or TI 84 Graphing Calculator (Required). Collaborative Statistics, by Illowsky / Dean (Optional) which is a free download from the url: *https://openstax.org/details/introductory-statistics*

Withdrawing from the course: Students have complete responsibility for withdrawing from the course for any and all their reasons. The last day to drop the class with a "W" is November 12th. Students who don't withdraw in a timely manner will receive a final grade of "F".

Laboratory: There are 12 lab assignments(Canvas download). These are assigned randomly during the quarter. Those are available now on canvas and their appropriate due dates. All the labs will be worth as 120 points. Late Lab Assignment will not be accepted.

Homework: There are 5 homework assignments(Canvas download). These are assigned randomly during the quarter. Those are available now on canvas and their appropriate due dates. All the homework will be worth as 50 points. Late Assignment will not be accepted.

Assessments: There will two quizzes, each 25 points and two tests, each of those 100 points. Final Exam will be comprehensive and worth 120 points. Final Exam is mandatory and not taking it translates to a final quarter grade of "F". (Department policy.) Please don't ask for an early final, as I won't be able to accommodate that. Thanks. All of the assessments will be available for a 12-hour window and should be completed within those hours, after which that assessment will shut down and you will get a zero. Please mark those times on your calendar.

	Available from:	Has to be submitted before:
Quiz 1	October 5th, 11:00 a.m.	October 5th, 11:00 p.m.
Test 1	October 19th, 11:00 a.m.	October 19th, 11:00 p.m.
Quiz 2	November 4th, 11:00 a.m.	November 4th, 11:00 p.m.

| Test 2 | November 18th, 11:00 a.m. | November 18th, 11:00 p.m. |
| Final exam | December 9th, 11:00 a.m. | December 9th, 11:00 p.m. |

Grading: Your quarter grade will be determined with the following scale:

97% - 100%	A+	93% - 96%	A	90% - 92%	A-
87% - 89%	B+	83% - 86%	B	80% - 82%	B-
77% - 79%	C+	70% - 76%	C	67% - 69%	D+
63% - 66%	D	60% - 62%	D-	59% and below	F

Extra credit: All the videos in the course are uncut and unedited, therefore they are ripe with comedic potential. A 2-minutes(ish) blooper reel would get 5 extra-credit point add to your final exam grade. your blooper reel must have caption and music and only if i use it you will get the points. thx

Some notes about online learning: All the lectures are videoed and posted on the homepage of Canvas. They will correspond to lecture notes which are again on the homepage. If you have questions, feel free to come to office hours, email me or post it on Canvas Inbox. If you plan to come to office hours come at the beginning. Thanks.

Tutoring Services: The De Anza campus has a tutorial center for math students where students can get "drop in" help. Students can also register to have a regular, assigned tutor for help throughout a quarter. For relevant information go to**: https://www.deanza.edu/studentsuccess/**

Pacing Schedule for Math 10, Fall 2021

Week 1	Introduction, Chapter 1-2
Week2	Chapter 3
Week 3	Chapter 4, **Quiz 1**
Week 4	Chapter 5
Week 5	Chapter 6, **Test 1**
Week 6	Chapter 7
Week 7	Chapter 8, **Quiz 2**
Week 8	Chapter 9
Week 9	Chapter 10-11, **Test 2**
Week 10	Chapter 11-12
Week 11	Chapter 13, **Final review**
Week 12	**Final Exam**

Student Learning Outcome(s):

*Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.

*Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.

*Collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.