Fall 2017 - Math 159 - Statistics

Instructor: Steve Bitzer  E-mail: sbitzer@ohlone.edu
Web Site: www2.ohlone.edu/people2/sbitzer  Course: www.mymathlab.com

Dropping: It is your responsibility to drop the course. I will not drop students from the course. Be aware if you stop attending the class and do not drop you will receive an F in the course.

Time of Final: You must take the final at the scheduled time or receive a zero on the final. It is important that you make sure your schedule can accommodate this time since there are no exceptions.

Time of Final
Wednesday  Dec 13th  9:30 to 11:30 am

Absences: There are NO MAKE UPS for any test during the semester. You are required to take the test during the scheduled time. You will receive a zero for a missed test. I realize for some students school is not a top priority and therefore have scheduling conflicts during the semester. If you are not able to commit to the scheduled time for this class I suggest you take this course from another instructor.

Quizzes: There are quizzes that will help you prepare for the in-class tests. Quizzes will be done in class and prepare you for the tests. It is very important to come to class since the quizzes will be very hard to learn on your own.

Tests: There are five cumulative tests during the semester. There are no make-ups for missed tests. There is a test coverage sheet that gives the details of each test.

Final: The final is cumulative and will take four days to complete. On the third and fourth day, all tests will be open so you have an opportunity to improve old test scores.

Grade: The final grade in the course is calculated with 90% / 80% / 70% / 60% cutoffs.

<table>
<thead>
<tr>
<th>Grade Distribution</th>
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<tbody>
<tr>
<td>Tests</td>
<td>90%</td>
</tr>
<tr>
<td>Final</td>
<td>10%</td>
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<tr>
<td>Total</td>
<td>100%</td>
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Calculators: You will need a basic scientific calculator. If you’d rather, you can use the calculator on the computer. Graphing calculators and Cell Phones are NOT allowed.

Cheating

I take this action very seriously and am diligent in looking for this behavior. You will receive an F on the test and/or will be dropped from the class. Using notes, looking at your neighbor’s computer, and using non-authorized web sites are considered cheating. A report will be filed and administrative action may be taken. This may include being expelled from the school. Details of the general policy are located here: http://www.ohlone.edu/org/board/policy/ap-academicdishonesty.html
Learning From Your Mistakes:

You should look over your tests to see what mistakes you’ve made. Sometimes it might be rounding errors and you need to e-mail me (sbitzer@ohlone.edu) your name, what time your class is and the question numbers you want me to look at.

I will accept e-mails up until the next test. I will not make any changes to a test score if I receive the e-mail after the next test.

RESOURCES:

GRADEBOOK: You can use this button to REVIEW old quizzes and tests

*I DO NOT USE THE GRADEBOOK TO CALCULATE YOUR GRADE – IGNORE*

STUDY PLAN: MyMathLab keeps track of homework, quizzes, and test problems that you have struggled to get correct. It is a great place to find and work on problems you haven’t mastered.

eBook: This gives you access to the online textbook that corresponds with the homework. Reading the chapters will give you a clearer picture of what concepts you are supposed to be learning.

Multimedia Library: Check the boxes next to Animation, PowerPoint, and Video. Click the button Find Now. You will get a break down chapter by chapter of all the lecture videos, animations, and PowerPoint slides. The PowerPoint slides summarize the chapters. The videos are small lectures on different statistical concepts, and the animations are also helpful on clarifying different concepts.

FaceBook: Bitzer Fall 2017 - Math 159
I will upload files here and it is a place to ask questions and work with your peers.

Lab and Office Hours: Lab Hours: (HH-225): Tu Thur 10:00 to 11:00 am
Office Hours: (HH-218): Mon Wed Fri 10:45 to 11:45 am

Other Help: O’Connell and Smedfjeld’s lab hours are posted in the lab. They can help you with the quizzes.

Math Learning Center: Fremont: HH-218 Mon – Thurs 9:30 am – 8:00 pm
Fri 9:30 am – 5:00 pm
Newark: NC2306 Mon – Thurs 9:00 am – 6:30 pm
Mental Health and Stress Management:

The staff and faculty of Ohlone College are here to see you succeed academically and care about your emotional and physical health. You can learn more about the broad range of confidential student services, including counseling and mental health services available on campus by visiting the Student Health Center in building 7 or [http://stepupohlone.org/oncampus-resources/](http://stepupohlone.org/oncampus-resources/).

The Crisis Support Services of Alameda County offers a 24-Hour Crisis Line:
1-800-309-2131

Student Learning Outcomes

1. Distinguish among different scales of measurement and their implications;
2. Interpret data displayed in tables and graphically;
3. Apply concepts of sample space and probability;
4. Calculate measures of central tendency and variation for a given data set;
5. Identify the standard methods of obtaining data and identify advantages and disadvantages of each;
6. Calculate the mean and variance of a discrete distribution;
7. Calculate probabilities using normal and t-distributions;
8. Distinguish the difference between sample and population distributions and analyze the role played by the Central Limit Theorem;
9. Construct and interpret confidence intervals;
10. Determine and interpret levels of statistical significance including p-values;
11. Interpret the output of a technology-based statistical analysis;
12. Identify the basic concept of hypothesis testing including Type I and II errors;
13. Formulate hypothesis tests involving samples from one and two populations;
14. Select the appropriate technique for testing a hypothesis and interpret the result;
15. Use linear regression and ANOVA analysis for estimation and inference, and interpret the associated statistics;
16. Use appropriate statistical techniques to analyze and interpret applications based on data from disciplines including business, social sciences, psychology, life science, health science, and education.