

Probability and Statistics

Mrs. Cope

2024-2025

Contact Information

The best way to reach me is through Canvas Messages. I can also be reached by phone at 412-896-2349 or by email at scope@efsd.net

Course Description

“Statistics is the science of conducting studies to collect, organize, summarize, analyze, and draw conclusions from data.” as stated in Elementary Statistics, 10th edition. The many applications of statistics can be used in almost all occupation fields. Employees need to be able to collect, organize, and summarize data in order to make reliable predictions and conclusions for business. Also the knowledge of basic statistics can help people to make intelligent decisions in regards to consumer purchases and understanding the information provided for current events. Therefore in Probability and Statistics, we will study the basic concepts of statistics and probability. These concepts will include but are not limited to descriptive statistics, data collection, basic calculations, and inference.

Classroom Expectations

My classroom expectations are defined by our school-wide BRAVE expectations:

Be Safe: Listen to staff, Maintain personal space

Respect Others: Be on time, Be polite, Use appropriate language and tone

Accountable: Be prepared, Be honest, Do your own work,

Victorious: Do your best work, Celebrate academic success

Enthusiastic: Have a positive attitude, Take ownership of learning

Special consideration needs to be given to the importance of Academic Integrity. I expect all my students to hold their work and learning in the highest regard. The following are the Academic Integrity expectations for this course:

- Do your own work
- Take pride in your work
- Show your work
- Ask for help if you are confused
- Help you peers to understand their work
- Do no copy or take pictures of someone’s work
- Do no discuss test questions or answers
- Do no just give answers or air drop
- Do not give up
- Do not give your completed work to someone

Any violations of BRAVE expectations or Academic Integrity expectations will be handled as defined by the EFHS student handbook.

Course Structure

Canvas modules will be published weekly. In these modules, you will find a playlist. This playlist will outline what we will be completing during the week. It will list both in class tasks and assignments for outside of class. It is very important that you review the playlist at the beginning of every week and use it to keep on track. Tasks and Assignments for the week will be due on the Sunday following that week at 11:59pm. Late work will receive -1 point for every calendar day late.

Grades: Grades are determined by a combination of tests, quizzes, class work/homework, and projects. Each category is weighted. 50% of your marking period grade will be tests and quizzes, 50% will be class assignments, projects and participation.

Assignments

Assignments and practice are graded on effort. These assignments and practice are given to hone your skill and understanding. I will gladly go over questions from assignments on request either individually or as a class. If you do not understand a question from a practice, ASK!

Tests and Quizzes

Tests will be given at the end of every unit. The tests will be a combination of both multiple choice and open-ended questions. Content on a test will be cumulative and therefore will assess a student's knowledge on both material from the current unit and from any previous unit taught. I will make every attempt to utilize the assigned Math department test days of Tuesday and Friday for the timing of all tests and quizzes.

Quizzes will be both announced and unannounced. Content for the quizzes will mainly focus on the content being covered in class and on homework at that time.

When you are absent on the day of a test or quiz or on the day prior to the test when the class completed the review, you will be expected to make arrangements with me to make-up the test or quiz on your own time. Because of the pace of this course, you would miss valuable new information if you were to take the make-up during class time.

Due to the high percent allotted to test/quizzes in the grading, you are permitted to re-take ONE TEST/QUIZ each marking period. There will be no re-tests permitted the last week of any marking period.

Help Available

If you are ever feeling like you do not understand or are struggling in this course, let me know as soon as possible. We will make arrangements to get you the additional help you need. The longer you wait to get help, the harder it will be to get you up to speed.