

Class Syllabus & Information

Probability and Statistics

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What we'll study:

Semester 1 - Descriptive Statistics

Measure and describe characteristics and traits. Collect data, turn it into useful information, and present the results in ways that make sense. Draw conclusions and test whether those conclusions are valid. You will be measuring, surveying, and experimenting to collect real data for analysis.

There will a final.

Semester 2 - Probability

Explore sample space. Examine probability in different situations. Examine discrete and continuous probability distributions, like the Normal Distribution, and use those to find the likelihood of events occurring. You will be drawing on your knowledge of dice, cards, and games, as well as experimenting to collect data to examine and compare to expected results.

There may be a final.

What you need in class every day:

- Quad ruled graph paper
- Pencils, erasers, pens, and ruler
- Device with Google docs/sheets/forms access
- Calculator (TI83, TI84, TI89, TI-Nspire.) These have stats functions that you will need!

Grading:

- Presentations: 10% some peer graded some teacher graded
- Final: 10%
- Content: 80% in class written-up activities

Warning: Due to the nature of the activities, most cannot be made up later.
There is no make-up work nor extra credit.

Classroom expectations:

1. You are expected to contribute to your learning and the learning of others.
2. You are expected to treat each other with respect, dignity, and trust.
3. You will do your best work.

All Lincoln expectations and rules apply

Especially no headphones or earbuds

Read your student handbook