

Statistics • AP Statistics

The following topics / units are covered across the two classes:

One Variable Data	Two Variable Data
Data Collection	Probability
Random Variables and Probability Distributions	Sampling Distributions
Estimating a Parameter (Stat only)	Testing a Claim
Comparing Two Populations or Treatments (Stat only)	Inference for Distributions and Relationships (Stat only)
Inference for Quantitative Data (AP Stat only)	Chi-square Distributions (AP Stat only)
Inference for Categorical Data (AP Stat only)	

Statistics

- Besides having less content than AP Statistics, students are expected to work with and solve only basic or introductory level problems in each topic/unit.
- The probability unit is very limited in scope and rigor compared to AP Statistics.
- Students are introduced to statistical applets and other on-line analytical tools, but do not use a graphing/statistical calculator.
- For tests, students receive very high levels of support, including use of class notes and HW.
- There is no final exam in either semester.
- Exiting Statistics, students may be ready to take a higher-level statistics course (AP or college) depending on level of analytical ability.

AP Statistics

- Students are expected to do a significant amount of work outside of class compared to the Statistics course. Independent work is required on the College Board progress units for each section covered in class.
- Real life problems are investigated in class using the College Board's AP Statistics guidelines. Work is done in the exact format in which students have to answer AP exam questions.
- Students are introduced to statistical applets and other on-line analytical tools, and the use of graphing/statistical calculators is necessary to solve complex problems.
- Tests follow the AP exam format and are graded in that same manner. No class notes and HW can be used
- There is a Final Project assigned in both semesters.