

Probability and Statistics - similarities and differences between MASSACHUSETTES and CC

Current Standards in Massachusetts for Probability and Statistics

- 7th graders start looking at probability
- Graphical analysis and constructions of displays is between 8th and 10th grades integrated with algebra and geometry.
- Algebra 1 standards include analysis of shape, center, and spread of a distribution.

Grade 11 and 12 Massachusetts Standards

- Counting techniques
- Modeling a scatter plot with a least squares regression line.

Transition to the Common Core: Statistics and Probability: S.ID

- Algebra 1: creating, analyzing, and interpreting scatter plots using slope, and analyzing correlation as well as association.
- “Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.” S.ID.4
- Algebra 2: includes conditional probability formulas and compound events
- Make inferences and justify conclusions from sample surveys, experiments and observational studies. S.IC 1-6