

Statistics of Two Variables

Specific Expectations	Section
Define the correlation coefficient as a measure of the fit of a scatter graph to a linear model.	3.1, 3.2, 3.3, 3.5
Calculate the correlation coefficient for a set of data, using graphing calculators or statistical software.	3.1, 3.2, 3.3, 3.5
Demonstrate an understanding of the distinction between cause-effect relationships and the mathematical correlation between variables.	3.1, 3.2, 3.3, 3.4, 3.5
Describe possible misuses of regression.	3.2, 3.3, 3.5
Explain examples of the use and misuse of statistics in the media.	3.5
Assess the validity of conclusions made on the basis of statistical studies, by analysing possible sources of bias in the studies and by calculating and interpreting additional statistics, where possible.	3.2, 3.3, 3.4, 3.5
Demonstrate an understanding of the purpose and the use of a variety of sampling techniques.	3.4, 3.5
Organize and summarize data from secondary sources, using technology.	3.1, 3.2, 3.3, 3.4, 3.5
Locate data to answer questions of significance or personal interest, by searching well-organized databases.	3.1, 3.2, 3.4, 3.5
Use the Internet effectively as a source for databases.	3.1, 3.2, 3.4, 3.5