

Unit 6: Functions and Volume[Open Up Family Resource Link](#)

Lesson	Skill	Online Resources	Standard
1	Organize data to see patterns more clearly.	https://www.youtube.com/watch?v=27ibJ2xBJWM https://www.khanacademy.org/math/pre-algebra/pre-algebra-math-reasoning/pre-algebra-representing-data/v/ways-to-represent-data https://www.ixl.com/math/grade-8/choose-the-best-type-of-graph	8.SP.A.1
2	Draw a scatter plot to show data that has two paired variables.	https://www.khanacademy.org/math/ap-statistics/bivariate-data-ap/scatterplots-correlation/v/constructing-scatter-plot https://www.khanacademy.org/math/ap-statistics/bivariate-data-ap/scatterplots-correlation/e/constructing-scatter-plots	8.SP.A.1
3	Describe the meaning of a point in a scatter plot in context.	https://www.youtube.com/watch?v=9EEJU4Ox-TE https://www.ixl.com/math/grade-7/interpret-graphs-of-proportional-relationships	8.SP.A.1
4	Use a model to predict values for data. Identify outliers on a scatter plot.	https://www.youtube.com/watch?v=vM-Nn8iMjX0 https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-data/cc-8th-interpreting-scatter-plots/a/outliers-in-scatter-plots https://www.ixl.com/math/grade-8/outliers-in-scatter-plots	8.SP.A.1, 8.SP.A.2
5	Identify if data in a scatter plot has a positive or negative association (or neither). Draw a line to fit data in a scatter plot.	https://www.khanacademy.org/math/ap-statistics/bivariate-data-ap/scatterplots-correlation/e/positive-and-negative-linear-correlations-from-scatter-plots https://www.ixl.com/math/grade-8/scatter-plots https://www.youtube.com/watch?v=ugmhjwAQDIE https://learnzillion.com/lesson_plans/6380-draw-a-line-of-best-fit/ https://www.ixl.com/math/grade-8/scatter-plots-line-of-best-fit	8.SP.A.1, 8.SP.A.2
6	Use the slope of a line fit to data in a scatter plot to say how the variables are connected in	https://www.khanacademy.org/math/ap-statistics/bivariate-data-ap/scatterplots-	8.SP.A.1, 8.SP.A.2,

	real-world situations.	correlation/e/interpreting-scatter-plots https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-data/cc-8th-line-of-best-fit/v/interpreting-trend-line	8.SP.A.3
7	Pick out clusters in data from a scatter plot. Use a scatter plot to decide if two variables have a linear association.	https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-data/cc-8th-interpreting-scatter-plots/a/clusters-in-scatter-plots https://learnzillion.com/lesson_plans/8369-interpret-and-distinguish-linear-and-non-linear-scatter-plots/ https://www.youtube.com/watch?v=g4TN24RkQQ	8.SP.A.1
8	Analyze a set of data to determine associations between two variables.	https://www.khanacademy.org/math/ap-statistics/bivariate-data-ap/scatterplots-correlation/v/bivariate-relationship-linearity-strength-and-direction https://www.khanacademy.org/math/ap-statistics/bivariate-data-ap/scatterplots-correlation/a/describing-scatterplots-form-direction-strength-outliers	8.SP.A.1, 8.SP.A.2, 8.SP.A.3
9	Identify the same data represented in a bar graph, a segmented bar graph, and a two-way table. Use a two-way frequency table or relative frequency table to find associations among variables.	https://www.khanacademy.org/math/ap-statistics/analyzing-categorical-ap/stats-two-way-tables/v/two-way-relative-frequency-tables https://www.khanacademy.org/math/ap-statistics/analyzing-categorical-ap/stats-two-way-tables/v/interpreting-two-way-tables	8.SP.A.4
10	Create relative frequency tables, bar graphs, and segmented bar graphs from frequency tables to find associations among variables.	https://www.ixl.com/math/grade-8/create-frequency-charts https://www.ixl.com/math/grade-8/create-histograms https://www.mathbootcamps.com/making-two-way-tables/	8.SP.A.4