Rotation 4: Organizing Numerical Data

Content Area: **Mathematics**
Course(s):
Time Period: **Default**
Length: **Rotation 4**
Status: **Published**

Summary

- Examine different ways to organize bivariate data, including scatter plots.

Standards

MA.8.SP.A.1	Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.
MA.8.SP.A.2	Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit (e.g. line of best fit) by judging the closeness of the data points to the line.

Materials

***Desmos Grade 8 Unit** 6*

Lesson 1: Click Battle

- I can organize data to notice patterns more clearly.
- I can describe the advantages and disadvantages of organizing data in differeent ways.

Lesson 2: Wing Span

- I can compare and contrast two different ways to display data (a dot plot and a scatter plot).
- I can draw a scatter plot to represent data.

Lesson 3: Robots

- I can describe the meaning of a point on a scatter plot in context.

Lesson 4: Dapper Cats

- I can use a line of fit to predict values not in the data.
- I can identify outliers on a scatter plot.

Assessment

- Observation

- Cool Downs
- Quizzes