



MATH NEWS



LAFAYETTE
PARISH SCHOOL SYSTEM

Algebra I, Module 2, Topic A

Algebra I

Module 2: Descriptive Statistics

Math Parent Letter

This document is created to give parents and students a better understanding of the math concepts found in Eureka Math (© 2013 Common Core, Inc.) that is also posted as the Engage New York material which is taught in the classroom. Module 2 of Eureka Math (Engage New York) students develop a set of tools for understanding and interpreting variability in data, and begin to make more informed decisions from the data. Students will also display and interpret graphical representations of data, and when appropriate, choose regression techniques that approximate a linear relationship between quantities. Through the use of linear models, students will determine the goodness of fit.



Focus Area Topic A:

Shapes and Centers of Distributions

In Topic A, students observe and describe data distributions. They reconnect with their earlier study of distributions in Grade 6 by calculating measures of center and describing overall patterns or shapes. Students deepen their understanding of data distributions recognizing that the value of the mean and median are different for skewed distributions and similar for symmetrical distributions. Students select a measure of center based on the distribution shape to appropriately describe a typical value for the data distribution. Topic A moves from the general descriptions used in Grade 6 to more specific descriptions of the shape and the center of a data distribution.

Words to Know

Dot plot: a plot of each data value on a scale or a number line.

Box plot: a graph that provides a picture of the data ordered and divided into four intervals with each interval containing 25% of the data.

Histogram: a graph of data that groups the data based on intervals and represents the data in each interval by a bar.



Focus Area Topic A:

Shapes and Centers of Distributions

Lesson 1: Distributions and Their Shapes

<http://youtu.be/Z3sMHjoIqWA>

Lesson 2: Describing the Center of a Distribution

<http://youtu.be/BIuzyeULluA>

Lesson 3: Estimating Centers and Interpreting the Mean as a Balance Point

<http://youtu.be/Us6-rbTi4Kw>

