US Airports

In this resource, real-world bivariate data is displayed in a scatter plot. The equation of the linear function which models the relationship between the two variables is provided, and it is graphed on the scatter plot. Students are asked to use the model to interpret the data and to make predictions.

US Airports (Microsoft Word): This file includes the task and related information in Microsoft Word format.
US Airports (PDF): This file includes the task and related information in PDF format.

General Information

Subject(s): Mathematics
Grade Level(s): 8
Intended Audience: Educators , Students , Parents

Suggested Technology: Basic Calculators

Instructional Time: 15 Minute(s)

Freely Available: Yes

Keywords: Scatter plot, linear model, linear function, positive correlation, negative correlation, bivariate data, prediction, illustrativemathematics.org
Instructional Component Type(s): Problem-Solving Task

Instructional Design Framework(s): Structured Inquiry (Level 2)

Resource Collection: Illustrative Mathematics

Additional Information/Instructions

By Author/Submitter
This could be used as a comprehensive example for class discussion or as a short assessment.

Source and Access Information

Contributed by: Brian Carmichael
Name of Author/Source: Brian Carmichael
District/Organization of Contributor(s):
Is this Resource freely Available? Yes
Access Privileges: Public
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Aligned Standards

Name	Description

MAFS.8.SP.1.3:	Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept. *For example, in a linear model for a biology experiment, interpret a slope of 1.5 cm/hr as meaning that an additional hour of sunlight each day is associated with an additional 1.5 cm in mature plant height.*