



Statistics in Schools

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2014 State Data Center and Census Information
Center Steering Committee Meetings

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Census in Schools



- 2010 Census
- 2000 Census



Statistics in Schools Goals

Educate the public, specifically by improving statistical literacy of students

Demonstrate applicability and utility of statistics and statistical concepts in educational activities

Increase the Census Bureau's brand recognition

Improve the public's familiarity with the work of the Census Bureau

Encourage public cooperation in Census Bureau surveys and censuses



Statistics in Schools Home Page



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Teach

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Welcome to Statistics in Schools

Educate your students about the value and everyday use of statistics. The Statistics in Schools program provides resources for teaching and learning with real life data. Explore the site for standards-aligned, classroom-ready activities in math and history, data visualizations and more.

Why Statistics? ???

Featuring
Eric Newburger



Why Statistics

This video will help students understand the importance of statistics -- including answering the question of why we study statistics in the first place and what statistics do for us in the real world

1 2 3 4

What's New

Fun Facts - Check out facts geared toward the holidays using statistics from the U.S. Census Bureau.

Infographics - Explore our latest data visualizations on topics including income, educational attainment, population growth.

Featured Data Visualization

Geographic Mobility During Industrialization, the Depression, and WWII



Featured Document

Class Discussion: The 1920 Decennial Census Cartoon



Featured Activity

How Many Single Father Households are in the United States?

State	Family Households with Married Mother and Partner	Family Households with Father (No spouse)	Family Households with Mother (No spouse)	Total Parents Households with Children
Alabama	348,191	37,524	252,354	538,069
Arizona	465,120	71,264	266,297	702,681
California	2,842,833	350,839	856,892	4,150,564
Connecticut	287,151	26,178	97,551	410,880
Georgia	756,525	80,964	320,430	1,157,919

Math Activity

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Teach Research Play

Dot Plots – Graphing New Jersey’s Population

Description



Students use New Jersey county population data from the 2010 Census to practice creating a dot plot.

Standard:

[See All Standards](#)

CCSS.Math.Content.6.SP.B.4 : Display numerical data in plots on a number line, including dot plots, histograms, and box plots.

Materials:

Use the student ready version of this activity online
Print the teacher version of this activity

Total Population: Counties in New Jersey	
County	Population
Atlantic County	274,549
Bergen County	905,116
Burlington County	448,734
Camden County	513,657
Cape May County	97,265
Cumberland County	156,898
Essex County	783,969

Teacher’s Notes

Learning Objectives

Students will be able to use a data table in order to create a dot plot.

Bloom’s Taxonomy

Creating



Instructions for Teachers

If needed, review the following key terms and concepts:

- **Dot Plot** – A method of visually displaying a data distribution of data values where each data value is shown as a dot or a mark above a number line.
- **Decennial Census** – Every 10 years, the U.S. Census Bureau conducts the decennial census, which

History Activity

Apportionment and Population Density – Maps of the Early U.S.

Description



In this activity, students will examine population density (persons per square mile) maps constructed using census data from the 1790 and 1800 Census in order to analyze its direct relationship to the distribution of power in the early years of the new nation.

Standard:

[See All Standards](#)

Revolution and the New Nation (1754-1820s) Standard 3: The institutions and practices of government created during the Revolution and how they were revised between 1787 and 1815 to create the foundation of the American political system based on the U.S. Constitution and the Bill of Rights

Materials:

[Use the student ready version of this activity online](#)

[Print the teacher version of this activity](#)



Teacher's Notes

Learning Objectives

Students will be able to make comparisons about the population densities of states and territories in 1790 and 1810.

Students will be able to analyze the relationship between the population density and the apportionment of power and representation among the states in 1790 and 1810.

Students will be able to discuss the potential for changes in the population density and the importance of the census to detect and document those changes for reapportionment purposes.

Bloom's Taxonomy

Analyzing



Instructions for Teachers

Before starting this activity:

Have students read the Student Instructions as an introduction and

Next steps

