



# Statistics in Schools

Classrooms Powered  
by Census Data

Vicki Glasier  
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[CENSUS.GOV/SCHOOLS](https://www.census.gov/schools)

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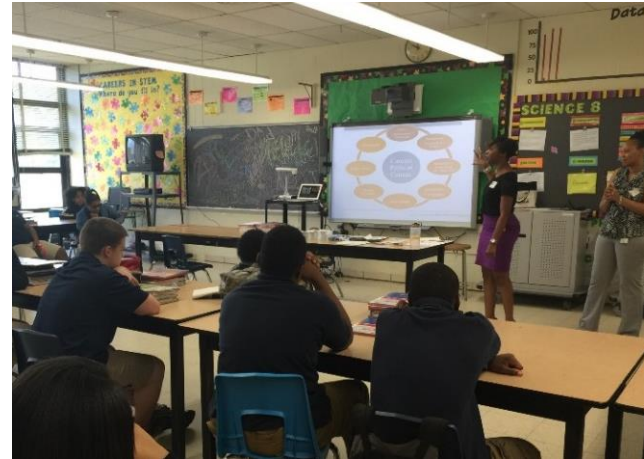
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# Statistics in Schools Overview



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- A free program ([www.census.gov/schools](http://www.census.gov/schools)) offering resources using census data for K-12 classrooms.
- Incorporates statistics and data analysis in a variety of subjects.
- Designed to **supplement**, not replace, teachers' lesson plans.
- Goals:
  - Improve the statistical literacy of students
  - Demonstrate applicability and utility of statistics and statistical concepts in educational activities
  - Increase the Census Bureau's brand recognition
  - Encourage public cooperation in Census Bureau surveys and censuses



# English, History, Math, Sociology and Geography



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## English

**"To Kill a Mockingbird": An Introduction to 1930s America:** This activity teaches students about the setting of Harper Lee's famous novel "To Kill a Mockingbird," which takes place during 3 years (1933–1935) of the Great Depression.

## History

**"I Have a Dream" – Learning About Martin Luther King Jr.:** Students will analyze census data and graphs that demonstrate how certain aspects of the lives of African-Americans have changed since civil rights leader Martin Luther King Jr. delivered his "I Have a Dream" speech.

## Math

**Fitting a Line to Data - Earnings and Educational Attainment:** Students will investigate the relationship between earnings and different levels of educational attainment by creating a scatter plot, adding an approximate line of best fit to the plot, and judging the line's accuracy.

## Geography

**Examining Changes to the Environment Through Pictures and Data:** Students will examine a series of photographs that compare famous landmarks (Times Square, Niagara Falls) across time, and then they will identify human-generated changes in the physical environment.

## Sociology

**The Modern Family: Changes in Structure and Living Arrangements in the United States:** Students will learn why families are important social institutions and how family structures, household sizes, and living arrangements have changed substantially since the 1970s.



Times Square, 1903



Times Square, 2012



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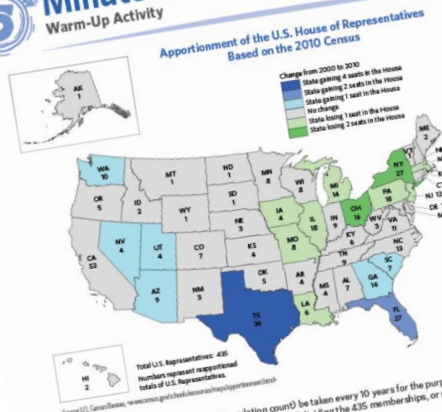
# Statistics in Schools Resources



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- Monthly Fun Facts
- Warm-Up Activities
- State Facts for Students
- Constitution Day
- Monthly Newsletter
- Art

## 5 Minute Challenge: Apportionment Math Warm-Up Activity



The U.S. Constitution U.S. House of Representatives are 435 members and

Business	2010
Dentist Offices	3,068
Amusement Parks	11
Fast-Food Restaurants	6,027
Toy Stores	249
Video/Disc Rental Stores	293
Zoos & Botanical Gardens	17
Candy & Nut Stores	59
Pet & Pet Supply Stores	232
Ice Cream & Frozen Dessert Makers	3

Note: As is the case with all surveys, statistics from sample surveys are subject to sampling and nonsampling error.

## Fun Facts: St. Patrick's Day - March 17

**A History of St. Patrick's Day**

- Originally this holiday was in honor of St. Patrick who introduced Christianity to Ireland in the 5th Century and was wearing into a celebration of all March 17.
- The World's first St. Patrick's Day parade occurred on March 17, 1762 in New York City.
- In 1991 Congress proclaimed March as Irish-American Heritage Month.

**Golden States of Irish Ancestry**

Total of 16.122 million: The number of U.S. residents who claimed Irish ancestry in 2010. These states have the highest percentage of Irish ancestry.

Massachusetts	21.2%
New Hampshire	20.9%
Maine	18.2%

**4-Leaf Clover Word Search**

Find 15 words related to St. Patrick's Day and Irish culture.

**Everything Irish!**

- 20,590: Estimated number of U.S. residents who speak Irish Gaelic.
- 48: years old: Median age of those who claimed Irish ancestry.
- 105: The number of synthetic, dye and pigment manufacturing companies in the U.S. As an annual tradition to celebrate St. Patrick's Day, the Chicago river is dyed green.
- \$17 billion: Value of goods imported from Ireland in 2017.

Source: Bureau of Economic Analysis, U.S. Census Bureau, U.S. Department of Commerce, U.S. Trade Representative

**Lucky Charms**

Estimated percentage of people of Irish ancestry, 15 years and older:

- 36%: Percentage of those with a bachelor's degree.
- 94%: Percentage of those with at least a high school diploma.

Occupations held by Irish-Americans, 15 years old and older:

- 43%: Work in management, business, science, and arts occupations.
- Almost 25%: Work in sales and office occupations.

**Places With The Luckiest Names!**

- 9520: Dublin City, California
- 5,900: Charleston, South Carolina
- 3,264: Carrollton, Texas, North Carolina
- 1,046: Sherman City, Texas

