

# National Center for Health Statistics Data Detectives Summer Camp



Data Detectives Camp is a Science, Technology, Engineering, and Math (STEM) summer camp that focuses on statistics for rising 6th- and 7th- grade students. This 1-week commuter day camp is an exciting opportunity for boys and girls to learn about statistics through a variety of fun, hands-on activities!

The camp is conducted by the National Center for Health Statistics in collaboration with the American Statistical Association, University of Maryland's School of Public Health, CDC's Disease Detectives, the Bureau of Justice Statistics, and the Joint Program in Survey Methodology.

## What will I do at camp?

You will work with statisticians and research scientists to learn about statistical concepts you may have already learned or will be learning in Grades 6 and 7. Through a variety of activities, group projects, and computer programs, you will learn to think like a data detective by asking the right questions, collecting the needed information, analyzing data, and determining the answer.

Daily activities will revolve around a single statistical concept that will be explored through hands-on group activities, including:



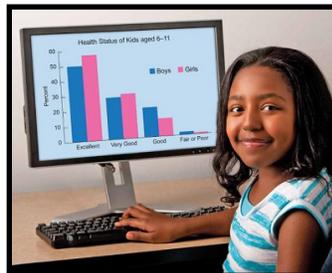
### Distributions and outliers

Learn about distributions by measuring the height of fellow campers. See how a 7-foot tall basketball player throws off the average height of your class.



### Comparisons and predictions

Collect data to draw comparisons between variables, such as number of siblings and arm span. Can you draw any conclusions? Which is a better predictor of height?



### Visualizing data

Learn to display your data through figures and charts. How does data visualization allow you to interpret your data and draw conclusions? What are its limitations?



### Game show Friday

Review the concepts you learned on the last day of camp with fun, group trivia games.

## What are the dates and times?

Camp will take place at the National Center for Health Statistics headquarters in Hyattsville, Maryland from August 5-9, 2019. It will run from 9:00 a.m. to 4:00 p.m. daily. Data Detectives staff will meet you at camp beginning at 8:30 a.m., and pick up will be from 4:00-4:30 p.m.

## What is the cost?

There is no fee for registering or attending Data Detectives Camp. However, campers will need to bring their own lunch and water bottle daily. Two snacks will be provided each day.

## Who should apply?

If you are entering 6th or 7th grade in the fall of 2019 and are interested in math or science, you are strongly encouraged to apply.

## How do I apply?

Please visit our website at <https://www.cdc.gov/nchs/data-detectives-camp/> to download the application form. Your parent will need to complete one section, and your math teacher will need to complete the other. You will also need to tell us about your favorite math concept, equation, or number, and provide reasons for your selection.

Space is limited and acceptance is competitive, so if you're looking to learn about statistics while having fun, talk to your parent and apply. We hope to see you this summer!