



ASA's 2019 Fall Data Challenge Guidelines

OFFICIAL RULES

This is Statistics and the [American Statistical Association](#) invite high school and undergraduate students to use their best statistical thinking and apply it to a real-world issue. By using a dataset from the U.S. Department of Housing and Urban Development, you and your team will use your analytical and data visualization skills to recommend measures that could help solve homelessness.

How does it work?

Teams of 2-5 students currently enrolled in high school or college may participate. Teams are required to have a sponsor, such as a teacher, professor or parent.

Teams are required to use the U.S. Department of Housing and Urban Development dataset available through the [2018 Annual Homeless Assessment Report](#) and [Raw Data](#). Although not required, teams may identify and utilize external datasets. Additional datasets can be found on the [Fall Data Challenge webpage](#).

Teams must have at least 2 and no more than 5 people, not including the team sponsor. Inter-organizational teams are allowed. All members of the team must be either current high school students or current undergraduate students. Middle school students will be accepted but will be judged in the high school category.

Submission details

Teams are required to submit a presentation, up to 10 slides. The goal of the presentation is to guide officials towards making evidence-based decisions on how to help solve the homelessness crisis. It should be clear from the presentation how the team utilized available data to develop their recommendations.

Teams are also required to submit a document, not to exceed 500 words, describing the technical details of their work.

Submissions must be made via the form on the [Fall Data Challenge webpage](#) no later than 11:59 p.m. EST on October 28, 2019. Awards will be given in the categories of Best Overall Analysis, Best Visualization, and Best Use of External Data. All submitted material must be in English.

Prizes

Each winning team will receive the following prize package:

- \$50 Amazon gift card
- Complimentary student membership to the American Statistical Association for each student participant
- 2019 Fall Data Challenge winner t-shirt for each student participant and sponsor
- The chance to apply statistical skills to a real-world issue

Questions?

Email thisisstats@gmail.com for more information.

Resources

- American Statistical Association amstat.org
- Fall Data Challenge Webpage thisisstatistics.org/falldatachallenge/
- 2018 Annual Homelessness Assessment Report
files.hudexchange.info/resources/documents/2018-AHAR-Part-1.pdf
- Raw Data
hudexchange.info/resource/5783/2018-ahar-part-1-pit-estimates-of-homelessness-in-the-us/