GRADES K-3

FIRST PLACE

Saanvi Jahagirdar Are We Safe in Our School? Catherine Kolnaski Magnet School Groton, Connecticut

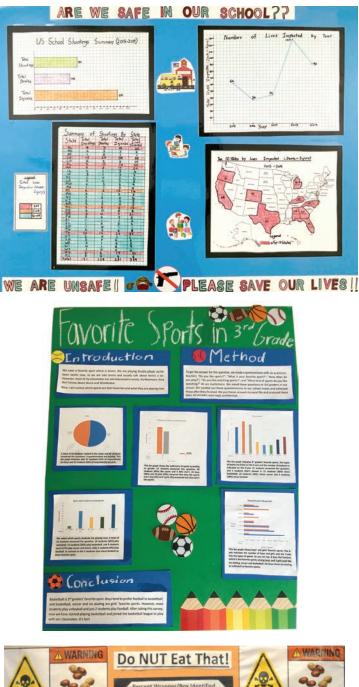
SECOND PLACE

Kevin Joowoo Park and Eden Kang

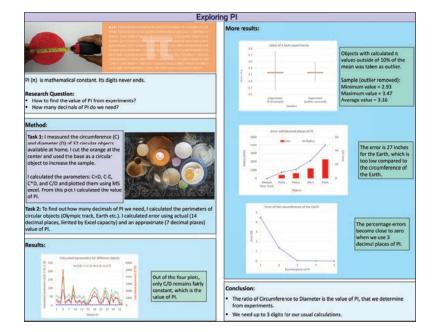
Favorite Sports in 3rd Grade Sycamore Ridge Elementary School San Diego, California

THIRD PLACE

Isaac Freeman Do NUT Eat That Rydal Elementary School Abington, Pennsylvania







for Females Fiddle TOTAL PERCENTAGE Question Purpose I am a girl. I love playing violin. I want to more girls playing violin or more boys playing Hypothesis My hypothesis is that more gi Method L. Ecollected the data fr Online public inform muth entirettrail Local surveys (2 school 2. 1 marked girls number different age groups. Result the loss only and the of PERCENTRAL I found in all groups there were more girls playing violin Overall there were 26% more girls playing violin than boy playing violin. This verified my hypothesis. 3°11 year-old group i picked had a fewer girl percentage (SBN) compared to the other two age groups (67%). This suggests that some boys might have stopped playing violar Conclusion ere more girls playing violin from my results. I think it in more boys like to do karate or play sports. I will need

GRADES K-3

HONORABLE MENTIONS

Mubtasim Rafan

Exploring Pi Dorothy C. Goodwin Elementary School Storrs Mansfield, Connecticut

Evelyn Kuo

Fiddle for Females? Rydal Elementary School Abington, Pennsylvania

GRADES 4–6

FIRST PLACE

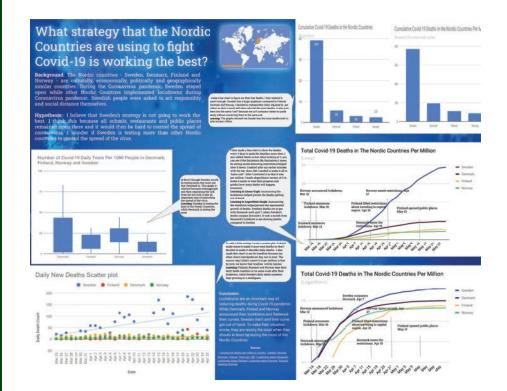
Noah Petajisto COVID-19 Deaths in the Nordic Countries Town School for Boys San Francisco, California

SECOND PLACE

Preston Lo

Social Distancing and Outdoor Exercise Trends in My Neighborhood During COVID-19 Town School for Boys

San Francisco, California



Social Distancing and Outdoor Exercise Trends in My Neighborhood During COVID-19 By: Preston Lo

Question: What are the social distancing and outdoor exercise trends in my neighborhood during COVID-19?

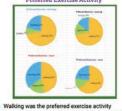


of day, 37% exercised in the evening The remaining 30% exercised in the morning anc 33%

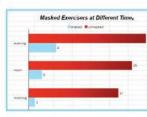
Preferred Exercise Activity

exercised at noon

bicyclists

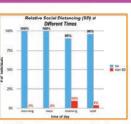


• Type of exercise: 63% walkers, 13% joggers, 23%



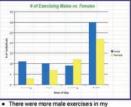
The majority of my neighborhood exercisers wore face masks
Face mask usage: 13% wore face masks, 87% did

Facemask usage: 13% wore face masks, 87% did not wear face masks



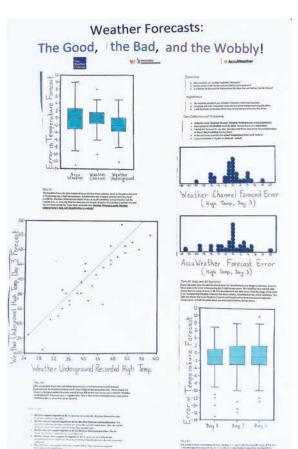
96% of exercisers appeared to socially distance in my neighborhood
In the evening, the remaining 4% did not appear to





neighborhood • Gender: 58% males exercisers and 42% female

exercisers



GRADES 4–6

THIRD PLACE

Paavani Tewari

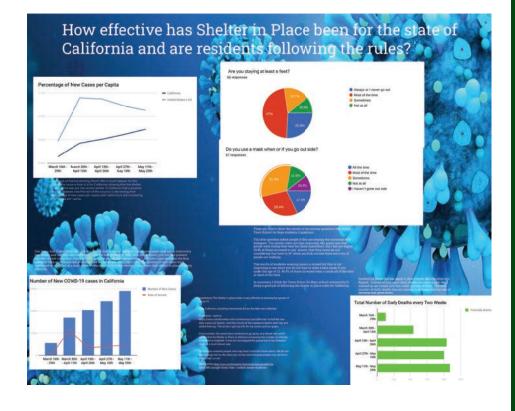
Weather Forecasts: The Good, the Bad, and the Wobbly! Uriah H. Lawton Elementary School Ann Arbor, Michigan

HONORABLE MENTION

Mason Ogborne

How Effective Is the Shelter in Place Order for California, and How Are the Residents Following the Rules?

Town School for Boys San Francisco, California



GRADES 7-9

FIRST PLACE Daniel Nikitin

How Has COVID-19 Impacted Online Grocery **Shopping Behavior? Roosevelt High School** Seattle, Washington

SECOND PLACE

Jacob Schwartz and Lance Hartman Where Do You Find the Most Thrilling Roller **Coasters?**

Hatboro-Horsham High School Horsham, Pennsylvania

How Has COVID-19 Impacted Online Grocery Shopping Behavior?

朣

Hypothesis: COVID-19 has caused an increase in online grocery shopping in the US, especially in high-risk households.

tage of Respondents who Bought

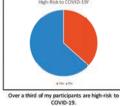
Introduction

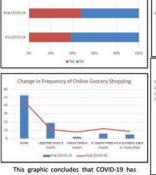
Online grocery shopping is a very recent business. In the past decade, many new services have ventured into this novel market, such as Amazon Fresh, Instacart, and many more. For my project, I wanted to demonstrate how COVID-19 has impacted online grocery shopping and test my hypothesis through statistics. Process In order to test my hypothesis, I surveyed

88 staff members who work at my high school and compared data from different households.

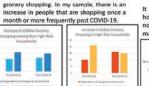
Pre COVID-19 refers to before January 20th, 2020 (the date of the first COVID-19 case in Washington State). Post COVID-19 refers to after.

I defined online grocery shopping as "ordered delivery or pickup of refrigerated/fresh goods". cr Someone in Your He High-Risk to COVID-19? Are You or Son





This graphic concludes that COVID-19 has caused an increase in frequency of online grocery shopping. In my sample, there is an increase in people that are shopping once a

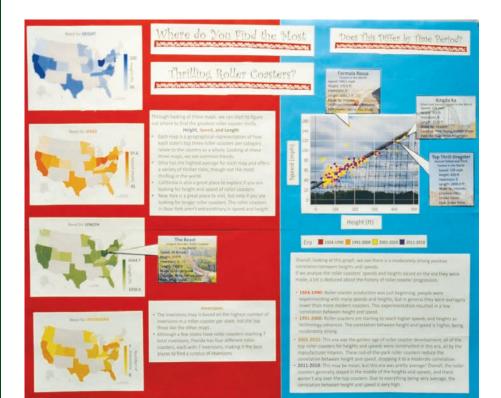


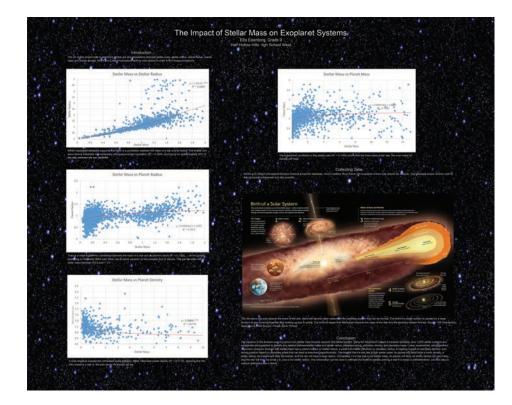


of Change in Shopping Frequer ID-19 Between HR and NHR Ho

It is evident from the graphics above that high-risk households online grocery shop much more often than non high-risk households. In addition, they have twice as many people who increased their shopping frequency.

| Reason For No | et Havie | gOrdere | d Groceries | Online | | |
|--|----------|---------|-------------|--------|----|--|
| Other | - | | | | | |
| No reason to try ordere procety shopping | - | - | | | | |
| I prefer lisoture locause it is cheaper | - | | | | | |
| I prefer to select my own food | - | | _ | - | _ | |
| | ö · | 5 | 10 | 15 | 20 | |





P **GIRL POWER = WORLD POWER?** World Maps

Introduction:

Introduction: The goal of this project case to determine if there was any association between how exclused a country's women were and how developed it was. This topic was drosen because it was hypothesized that less developed countries would have less exclusation of the propertunities that muse in developing countries. Data and to support, or fail to support the hypothesis, was gathe: from the the webaite form different times and locations. Data was collected of the average grans of schooling for vonces ages 32 and across on the human development index, her use countries. The human development incise, scale from to its that measures how developed an ation is, considering many factors such as standard of hings and lifesjon. In addition, data of the average life expecting for these countries was also collected. All data values were collected from the year zooo. **Deustion**

Q)

's education have a relationship with more developed countries?

Hypothesis

Mean years of schooing for women will have a direct correlation with a country's human development index score.



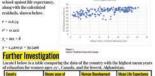


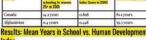






To the right is a graph comparing the mean y





A positive s developmen 3239, indica women's education and the l a Star and the r-summed value . The r-valu Conclusion

GRADES 7-9

THIRD PLACE Ellis Eisenberg

The Impact of Stellar Mass on Exoplanet Systems Half Hollow Hills High School West Dix Hills, New York

HONORABLE MENTION

Mariam Hassan and Viti Chandra GIRL POWER = WORLD **POWER?** Half Hollow Hills High School West **Dix Hills, New York**

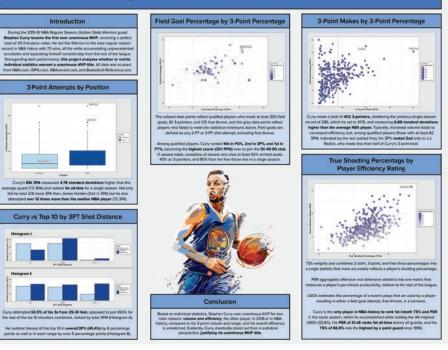
GRADES 10-12

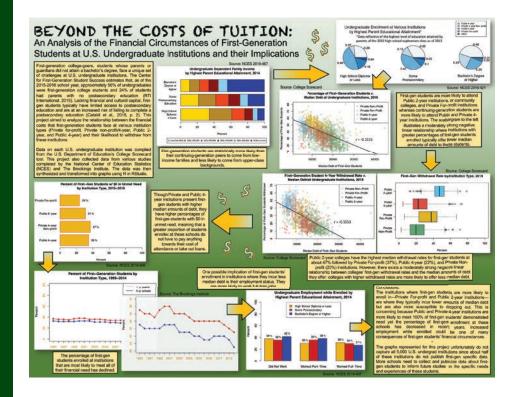
First Place Jeremy Dumalig Did Stephen Curry Deserve to Win Unanimous MVP in 2016? The Nueva School San Mateo, California

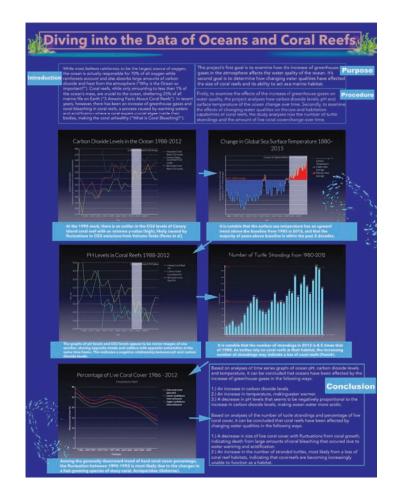
SECOND PLACE Aissata Bah

Beyond the Costs of Tuition Phillips Academy Andover, Massachusetts

Did Stephen Curry Deserve to Win Unanimous MVP in 2016?







GRADES 10-12

THIRD PLACE

Douglas Yang Diving into the Data of Oceans and Coral Reefs

Oceans and Coral Reefs Phillips Academy Andover, Massachusetts

HONORABLE MENTION

Sarah Crockett, Sheldon Skoboloff, and RaeAnne Zobel

Music Consumption Coronado High School Las Vegas, Nevada

