

Graph of the Week 3PA

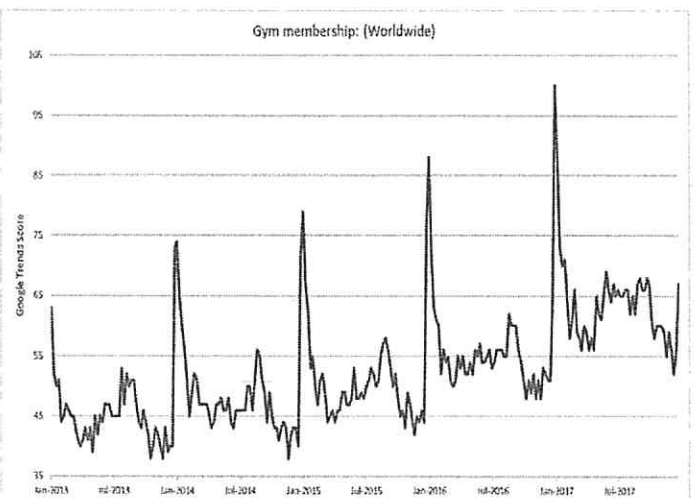
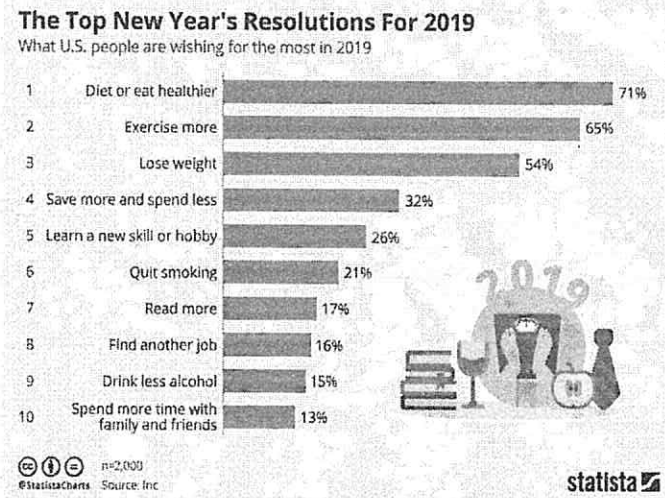
Date 1/13/19

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A. Analysis

The first graph shows the top New Year's Resolutions for 2019. I noticed that the top 3 resolutions is about being more healthy because people want to eat healthier, exercise more, and lose weight. The second graph details the gym memberships worldwide. The y-axis shows the number of memberships and the x-axis shows the dates from 2013 to 2017. I noticed that there is always a sudden spike in gym memberships at the beginning of each year. The height of the spikes increase every year and the total average number of gym membership increases. There is also a decrease in memberships near the end of every year.

B. What can you foresee happening in the near future?

In the near future, I predict that this trend will continue. People will continue to make New Year's Resolutions to be healthy and go to the gym. There will continue to be huge spikes in gym memberships at the beginning of the year which will then sharply decrease after people give up on their New Year's resolution.

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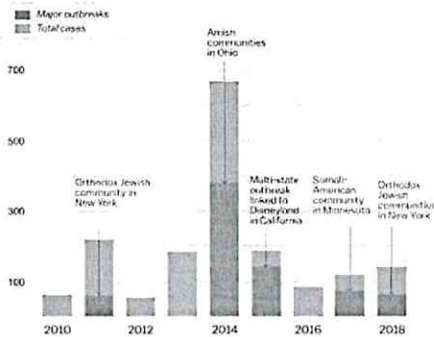
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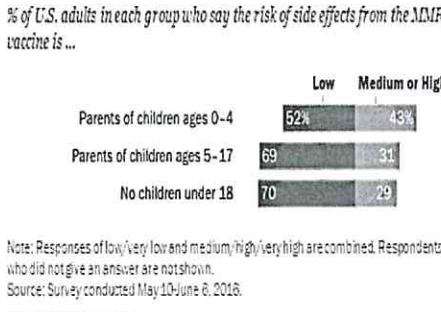
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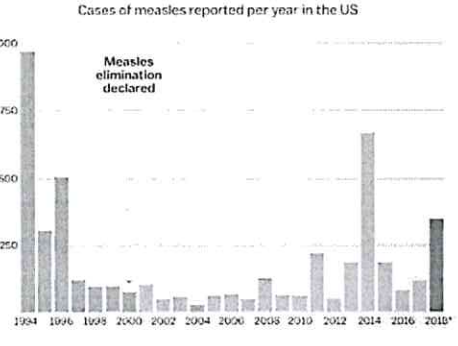
① **America's biggest recent measles outbreaks**
2010-2018 (as of October 6, 2018)



② **Parents of young children are more concerned about risk of side effects from the MMR vaccine**



③ **Measles outbreaks are preventable — but they keep happening**



<https://www.cdc.gov/measles/cases-outbreaks.html>

A. Analysis

According to the first graph, there was a massive outbreak of measles in 2014 — years after the disease was declared eliminated. There's been ups and downs since then, but there's a gradual increase between 2016 and 2018. According to the second graph, parents of young children are more concerned about the side effects of the MMR (measles) vaccine. This implies that they are less likely to give their children the vaccine due to their fears. The percentage of U.S. adults who claim that the side effects of the vaccine are risky and have a child between ages 0-4 is 43. The percentage of adults who claim the risks are low increase as the age of their children increase. According to the third graph, there's been a ^{general} ~~gradual~~ increase in measles outbreaks since 2004. The highest was in 1994 while the second highest was in 2014. The outbreaks ~~have increases~~ decreased sharply but have risen in 2018.

B. What can you foresee happening in the near future?

If the number of parents who refuse to give their children vaccines increase, then I suspect that the number of preventable outbreaks will increase. However, it's also possible that the number could decrease since there's no certain trend with the outbreaks. One year it could be really high but the following year could be much lower.

Maria Aragon P. 3

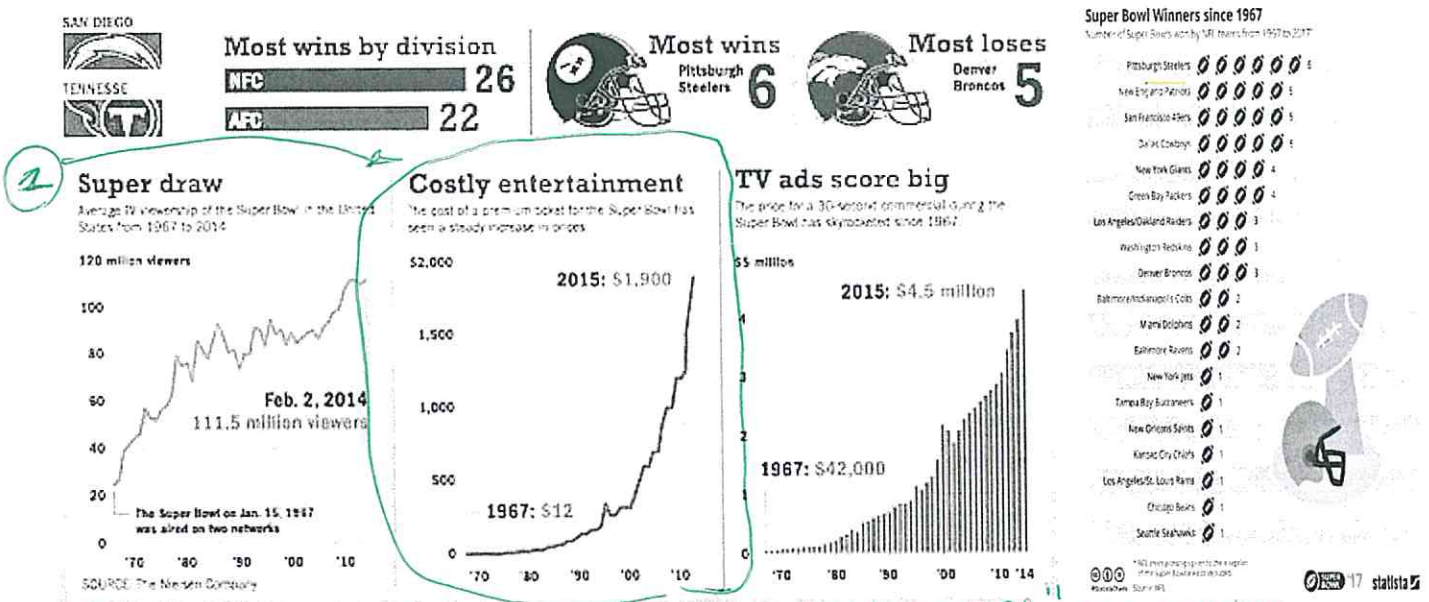
Graph of the Week
January 31st, 2019

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- What are some observations that you can make based on the graph?
- What do you foresee happening in the next 10 years?

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The topic of the graph is "costly entertainment." The x-axis represents the year of '70 - '10. The y-axis is the amount of money in which throughout the years have increased from 1967 = \$12 - 2015 = \$1,900. Some observations are that in the 70's it costed \$12, which is pretty cheap now but back then money was pretty hard to get, in which now in 2014, a ticket + a premium ticket costs about 2500. Throughout the years it seems that more people are buying, so the higher # of buyers the more higher the prices will go. To go see a Super Bowl game it costs a pretty big amount of money. In the next 10 years I feel that more people will continue to go and prices will continue to go up, commercials and performances make it even more expensive to attend.

What is the salary of an average football player?



Graph of the Week 3PA

Date 2/22/19

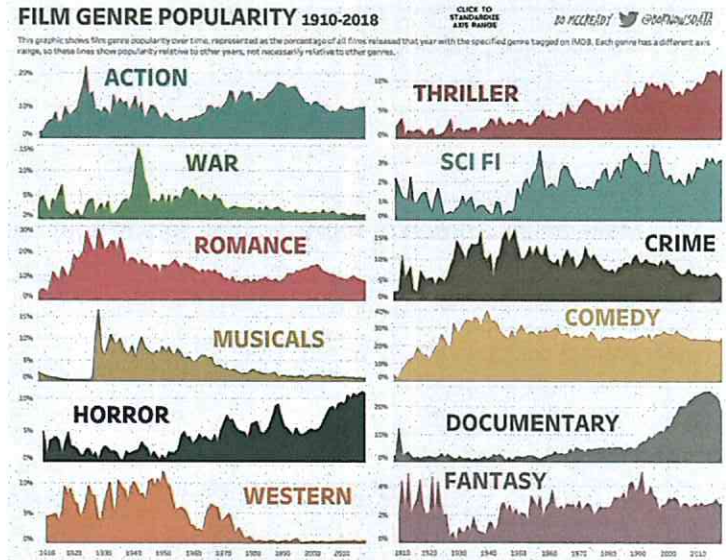
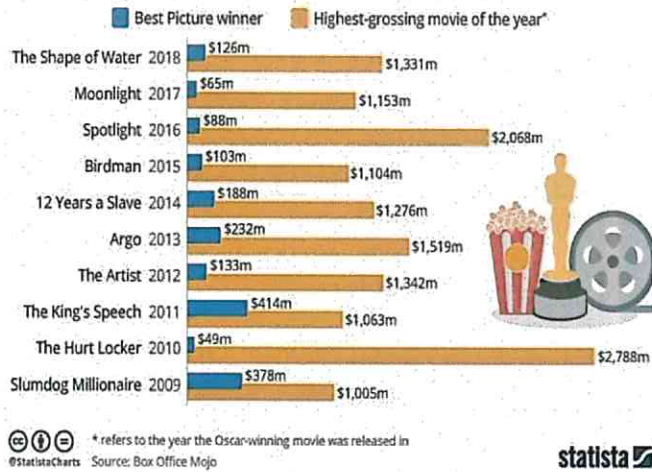
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Critical Acclaim vs. Commercial Appeal

Worldwide box office gross of "Best Picture" winners at the Oscars (as of March 5, 2018)



A. Analysis

According to the popularity chart, musicals had a sudden jump in 1930 and start to decrease over the years while it's the opposite for documentaries. In 2010, the highest grossing movie was The Hurt Locker and the genres that were popular in 2010 were horror, documentary, sci-fi, and thriller. The best picture winner was The King's Speech in 2011. The most popular genre of 2018 is horror and the lowest is Western.

B. What can you foresee happening in the near future?

In the near future, the genre of horror will continue to increase and as well as it's popularity. Other genres similar to horror will increase as well such as crimes and thriller. Other genres won't do so well.

Graph of the Week 3PA

Date March 8th, 2019

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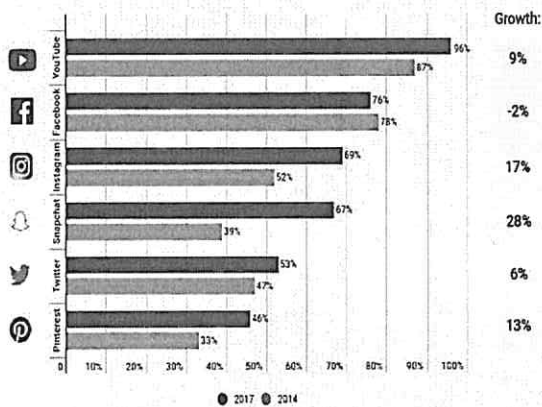
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Among Youth, Facebook is Falling Behind

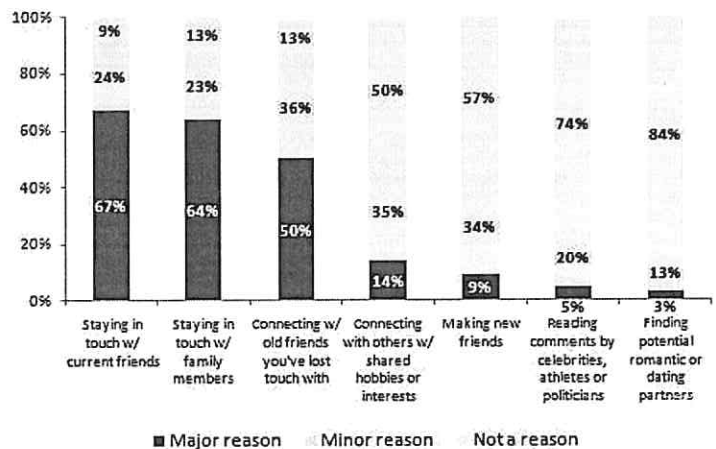
US online youth that use the following social media sites (ages 12-17)



Source: Forrester

Motivations for using social networking sites

Based on adults who use social networking sites such as Facebook, MySpace, LinkedIn and/or Twitter



Source: The Pew Research Center's Internet & American Life Project, April 26 - May 22, 2011 Spring Tracking Survey; n=2,277 adults ages 18 and older, including 755 cell phone interviews. Interviews were conducted in English and Spanish. Margin of error is +/- 3 percentage points for SNS users (n=1,015)

A. Analysis

The graph on the left shows how much Facebook is used by youth compared to other popular social media sites to argue that "Among Youth, Facebook is Falling Behind". The graph is a bar graph that shows the growth of each social media site and every site shows significant growth other than Facebook, which has a -2% decline in use. The graph on the right displays information that shows the different motivations for using social networking sites. The different bars show a compilation of reasons that are major, minor, and not a reason at all.

B. What can you foresee happening in the near future?

In the future, I can see Facebook's use further declining because as a teenager, I know the uses for Facebook, which are events and such but other than that it is not used as often as outlets such as Instagram or Snapchat. I can see the increase of using social media as a method to stay in

Graph of the Week
March 29, 2019



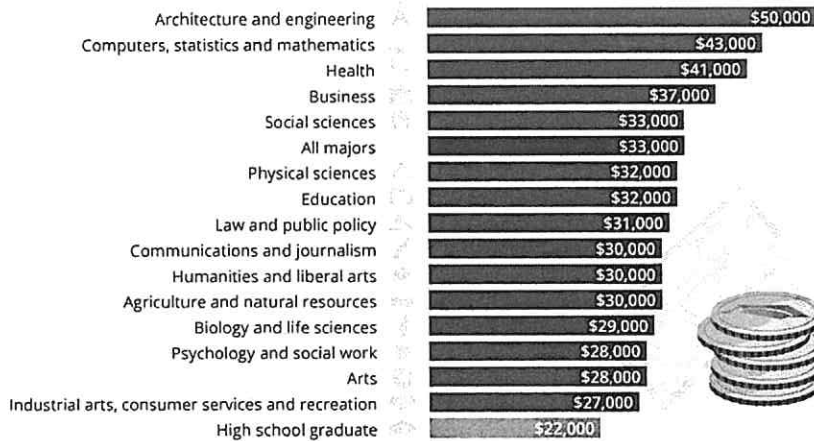
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College Majors: The Highest Starting Wages

Median annual wages of college-educated workers by major group



The college majors with the highest starting wages according to the bar diagram are: architecture and engineering, computers, statistics, and mathematics, and health. These three major categories are generally more competitive to get into their programs and have high job growth for this century. The more relevant the major will be for the future, and the more competitive it is, the more high-paying it'll be. The arts, consumer services and recreation, and psychology/social work are the 3 least relevant likely because they're more demand and easy to fill. The diagram to the left reveals the fastest growing professions from 2016 to 2026, with solar energy technicians at 105% growth, and wind energy technicians at 96%. After that the third highest falls all the way to 47% (home health aides). solar energy and wind energy are sustainable fuel forms that are becoming more popular as the fight against pollution continues, so it's no wonder why those technicians will be more in demand. Since people are living longer, there is a growing need for home health aides to take care of the old. I predict that Physical Therapist Assistants will fall behind Application Software Developers, to 9th place.

Source: Georgetown University



10 Fastest-Growing Jobs From 2016 to 2026

Rank	Job Title	percent change
1.	Solar Energy Technicians	105%
2.	Wind Energy Technicians	96%
3.	Home Health Aides	47%
4.	Personal Care Aides	39%
5.	Physician Assistants	37%
6.	Nurse Practitioners	36%
7.	Statisticians	34%
8.	Physical Therapist Assistants	31%
9.	Application Software Developers	31%
10.	Mathematicians	30%
	Average for All Occupations	7%

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Graph of the Week 3PA

Date 1/25

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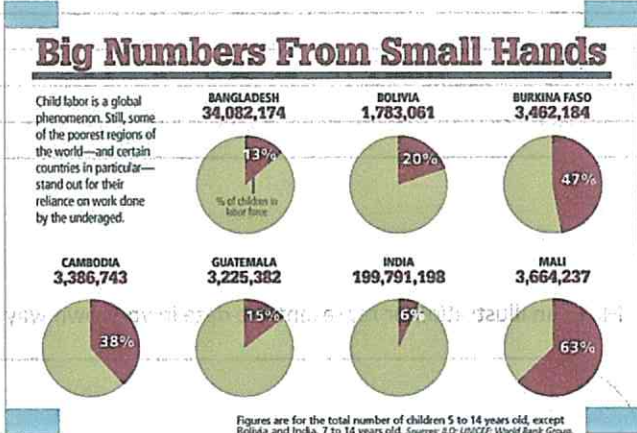
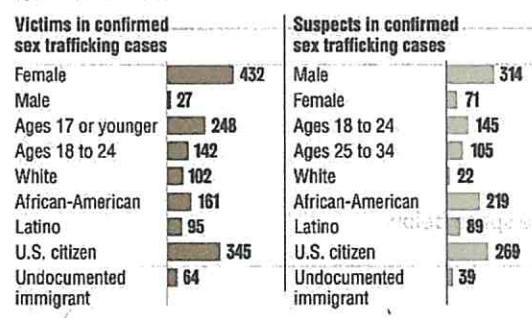
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Human trafficking in the United States

Human trafficking incidents were opened for investigation by federally funded human trafficking task forces in the United States between January 2008 and June 2010.



The cost of human trafficking

Every year, human traffickers make profit from the trade **\$150bn**



A. Analysis

The graph to the left has a topic of the amount of victims and suspects confirmed in sex trafficking cases in the U.S. between 2008 and 2010. The x-axis represents the amount of people and the y-axis represents the types of people. The most victims were female and the most suspects were male. Victims were usually younger than 17 years old. The graph to the right has a topic of the percentage of children in the labor force in some countries. There are multiple pie graphs. Mali has the highest percentage of children in the labor force. The graph at the bottom has a topic of the cost of human trafficking. Most victims are women and girls and sexual exploitation is the main purpose.

B. What can you foresee happening in the near future?

I can foresee the amount of people in human trafficking cases to decrease as this issue will likely get more attention and more response. In ten years, I feel the numbers will stay somewhat constant, but farther into the future it will decrease.

Graph of the Week

April 01-05, 2019

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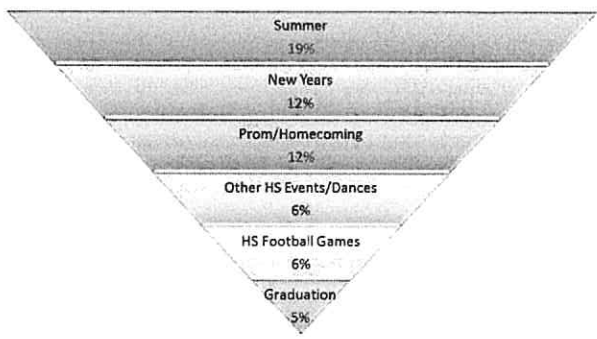
Teen Drinking and Driving

The percentage of teens in high school, aged 16 or older, who drink and drive has decreased by more than half since 1991.



Source: CDC Vital Signs, 2012. www.cdc.gov/vitalsigns

Teens Driving Under the Influence



<http://www.usatoday.com/story/news/nation/2013/04/25/teens-drunken-driving-impaired-survey/2106325/>

The topic of each graph is teen drinking and driving under the influence. The graph on the left shows the rate of teens aged 16 or older who have drunk and driven from 1991 to 2011. The graph on the right shows percentages and events that teens lead to drink and drive from or to. According to the graph on the left, since 1991, the percentage of teens in high school aged 16 or older who drink and drive has steadily decreased. In 2011, the rate has decreased 54% from the rate in 1991. According to the graph on the right, teens most drink and drive during the summer at 19%, while teens least drink and drive during, before, or after graduation at 5%. Graduation is pretty mature, so I doubt many teens would act immaturity at graduation. I foresee this trend continuing in the next 10 years as teens become more educated about the dangers of drinking and driving.