#2

International organization : China

I don't think the China data will be super reliable. I think it is unreliable just based on what I have heard from the news about the country's lack of reporting on coronavirus cases. Also China has many different provinces...it is hard to know if all of these provinces have the same standards for testing and reporting the virus.

Government organization : World Health Organization

The WHO sends out daily reports concerning the coronavirus; the data I am looking at is on Feb 9th. It contains the number of cases globally and the number of cases in China and outside of China. I think this would be a reliable source of data because the WHO is a trusted government source used by high ranking officials.

News organization : I don't see any news outlets in the data?

#11

- Confirmed look exponential
    - Number of cases and people being tested increases
- Deaths starts off exponential then tapers off to follow the red line
    - Lots of people are dying and then treatment and awareness get better, also number of cases decreases
- Recovered also starts off exponential and then begins to curve and taper off
    - As the number of cases becomes more controlled less people will be recovering because less people have the virus.

#13

Shows most cases leveling off but an exponential growth in the USA.

Growth Rates

#18

I could not figure this problem out but from watching the news and reading articles, I think the USA and Italy are among the most correlated when it comes to the different dimensions of coronavirus. Also Italy and China, China and the US, and Italy and Spain. Each country was hit hard and suffered a lot of deaths early on then began to level off after a few months.

Below you can see that Italy and the US's growth rates are fairly similar, reinforcing my hypothesis based on what I have seen in the news and in articles.

Linear Regression Fit: 0.6437652216858158
y_world = 17863.023499038172x + -13173385145.75882
Linear Regression Fit: 0.9012507672069882
y_world = 0.07444184634775222x + -54888.36169729651
Linear Regression Fit: 0.864472400102615
y_italy = 0.13744148832382055x + -101353.73609443988
Italy's Growth Rate is 1.147334571539098
Linear Regression Fit: 0.9447068481790276
y_us = 0.17803789376882204x + -131294.39713544503
USA's Growth Rate is 1.1948705985271646
Linear Regression Fit: 0.6817700601230537

#19.
Again...I am trying to answer these questions to the best of my ability based on what I have seen from the news and from reading articles...that's also a part of being a good data scientist right? =)

I think again a good example is looking at the growth rates of Italy and the USA above. Italy was hit a bit earlier than the United States yet the United States has a larger growth rate than Italy. This would lead me to believe that no, countries hit later have not been able to lessen the impact of coronavirus. There could be many reasons for this…

- Failing to shut down the country early enough to prevent spread could be one cause for example.

#20.

- USA → Spain = Most confirmed cases
- USA → Italy = Most deaths
- USA → Spain = Most recovered
- Kjh
- I think the fact that the US has more confirmed cases than Spain shows that countries hit later might not have done enough to lessen the blow
- I think that the US and Italy have the most deaths shows that Spain is doing something right in the medical field...maybe they have more PPE or better healthcare than the US and Italy?
- I think that Spain having far more recovered patients than the USA might speak to the standard of self care of people living in Europe versus the health standards of people in the United states.
    - For example

- Eating healthier
- Living a healthier lifestyle etc.