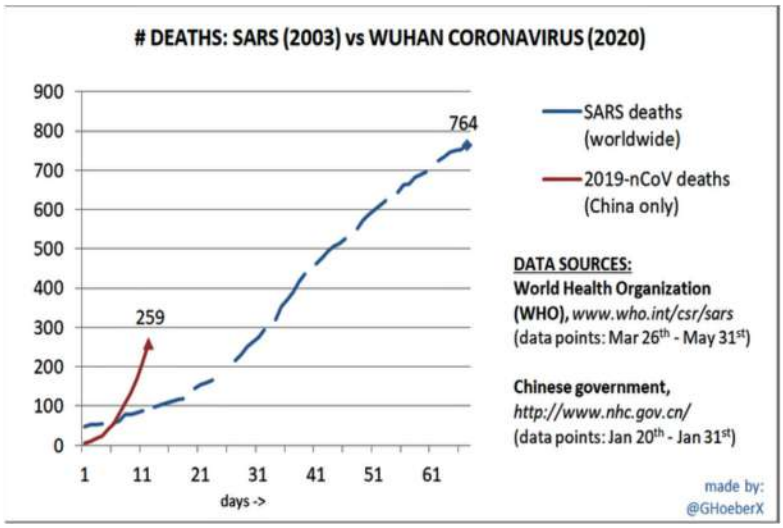
Corona Virus Data: What does it really mean?

Your task: Analyze the graphs below and write a reflection on what you think the graphs are communicating to you. To guide you with your response, start with some observations.

Questions to ask when reading graphs:

- What is the topic of the graph?
- What quantities are being compared? (If there are x- and y- axes, what do they represent?)
- What are some observations that you can make based on the graphs?
- Do all of the graphs contain the same information? Do they reflect a full data set?
- What do you foresee happening in this data 10 years from now?

Guiding Question: Should we fear, either nationally or locally, this virus?



Wuhan coronavirus compared to other major viruses

VIRUS	YEAR IDENTIFIED	CASES	DEATHS	FATALITY RATE	NUMBER OF COUNTRIES
Marberg	1967	466	373	80%	11
Ebola*	1976	33,577	13,562	40.40%	9
Hendra	1994	7	4	57%	1
H5N1 Bird Flu	1997	861	455	52.80%	18
Nipah	1998	513	398	77.60%	2
SARS	2002	8,096	774	9.60%	29
H1N1**	2009	>762,630,000	284,500	0.02%	214#
MERS***	2012	2,494	858	34.40%	28
H7N9 Bird Flu	2013	1,568	616	39.30%	3
2019-nCoV*	2020	11,871	259	2.2%	24

*As of January 31, 2020 **Between 2009 and 2010 ***As of November 2019

#Countries and overseas territories or communities

Sources: CDC; UN; WHO; New England Journal of Medicine; Malaysian Journal of Pathology; CGTN; Johns Hopkins University; The Lancet; Reuters, CIDRAP

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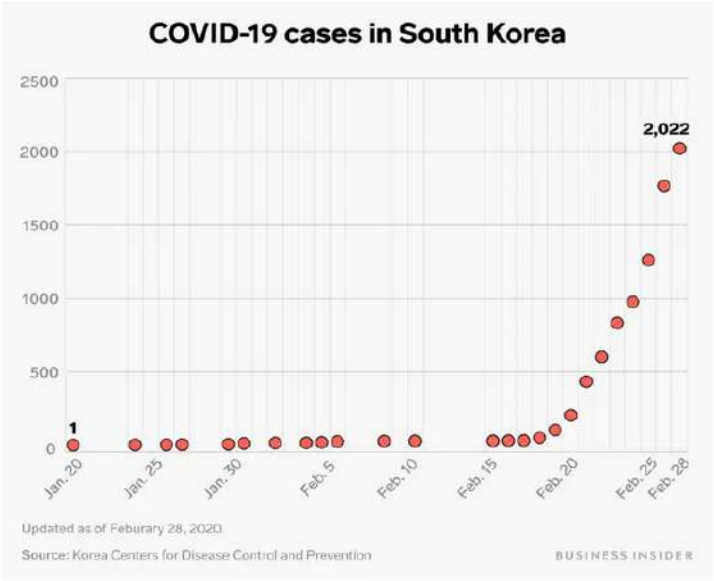
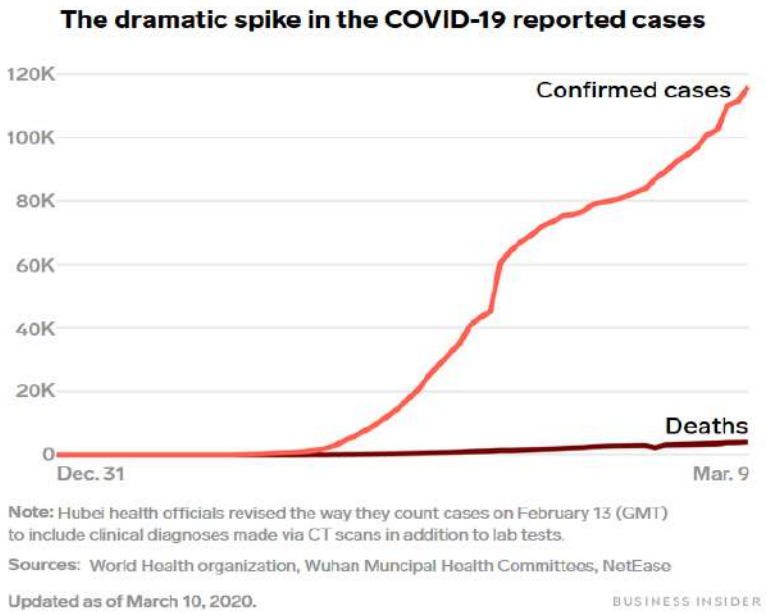


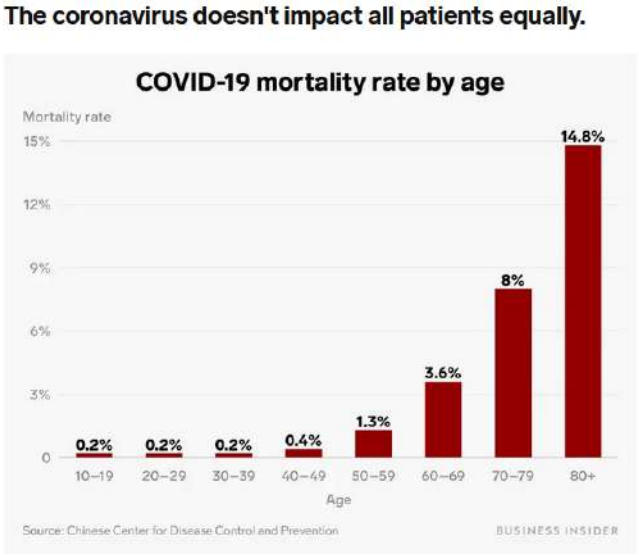
Ruobing Su/Business Insider

The spike seems to have happened after a 61-year-old "super-spreader" infected 43 other members of a fringe religious group called the Shincheonji Church of Jesus. More than half of South Korea's total infected patients are either members of the religious group or had contact with a church member.

The true number of infected people is probably higher than the official total. Academics from Imperial College London suggested earlier this month that only about one in 19 people infected with the virus were receiving a diagnosis.

More than 3,300 healthcare workers have been infected in China.





Shayanne Gal/Business Insider

A recent study from the Chinese Center for Disease Control and Prevention showed that the virus most seriously affects older people with preexisting health problems.

The study collected data from more than 44,000 confirmed patients in China through February 11. It offers one of broadest depictions of how COVID-19 operates in humans.

The data suggests a person's chances of dying from the disease increase with age. The study did not report any deaths in children younger than 10, who represented less than 1% of the patients.

SARS killed 774 people and infected 8,098 between November 2002 and July 2003. The new coronavirus has killed more than three times that many people in eight weeks.

2019 novel coronavirus compared to other major viruses

VIRUS	YEAR IDENTIFIED	CASES	DEATHS	FATALITY RATE	NUMBER OF COUNTRIES
Ebola**	1976	33,577	13,562	40.4%	9
Nipah	1998	513	398	77.6%	2
SARS	2002	8,096	774	9.6%	29
MERS*	2012	2,494	858	34.4%	28
COVID-19**	2020	115,977	4,087	3.5%	109

Sources: Johns Hopkins, CDC, World Health Organization, New England Journal of Medicine, Malaysian Journal of Pathology, CGTN

*As of November 2019 **As of March 10, 2020

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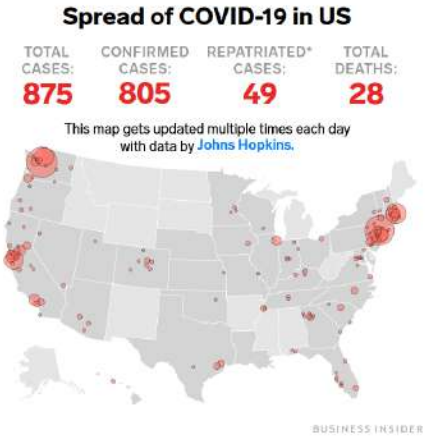
The US has reported 63 coronavirus cases, including 44 repatriated citizens who were on the quarantined Diamond Princess cruise ship in Japan and three people who were evacuated from Wuhan.



Guiding Question: Should we fear, either nationally or locally, this virus?

Claim:

_____

_____

_____

Evidence : What I SEE **observations, numbers, facts, compare & contrast**	**Reasoning- What I KNOW** **Connect and explain your observations**
1. _____ _____ _____ _____	**1.** _____ _____ _____ _____
Evidence :: **2.** _____ _____ _____ _____	**Reasoning ::** **2.** _____ _____ _____ _____
Evidence : **3.** _____ _____ _____ _____	**Reasoning :** **3.** _____ _____ _____ _____

Conclusion: Restate your claim and include a meaningful wrap up.