



# OUTBREAK

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# Data

World Covid-19 Cases (2020.1.22 - )

China PMI (2019.1 - 2020.2, monthly)

China Air Passenger Traffic (2019.1 - 2020.1, monthly)

Wuhan Air Quality Index (2019.1 - 2020.1, daily)

CDC.gov and who.int websites.



# Audience/ Message

Our audience is our class and professor who has the knowledge of data visualization.

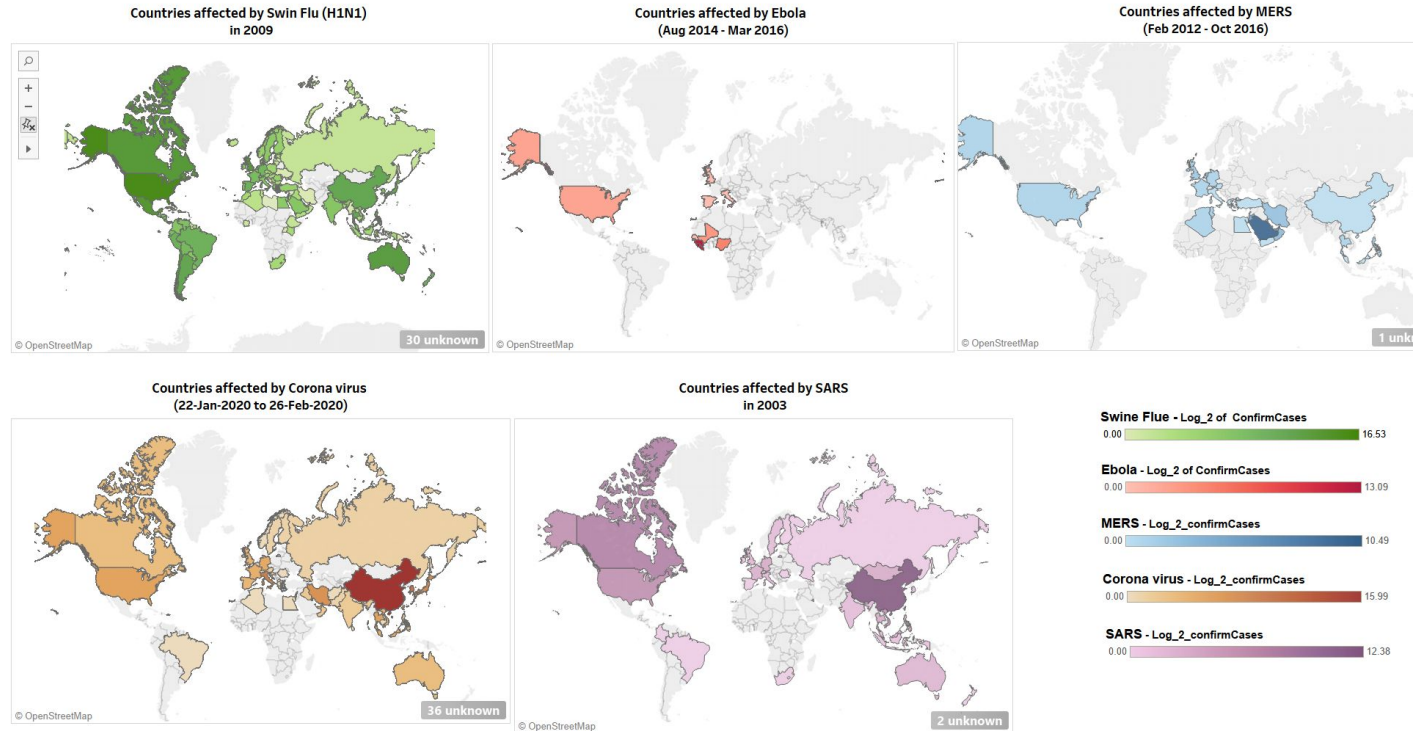
We are trying to keep our awareness on the spread of COVID-19 and compare some aspects of COVID-19 with the previous virus spread that has happened in last decade.

Our main focus is on COVID-19 and we will also explore SARS, MERS, Swine flu(H1N1),and Ebola.



# Geographical Spread

# Countries Affected

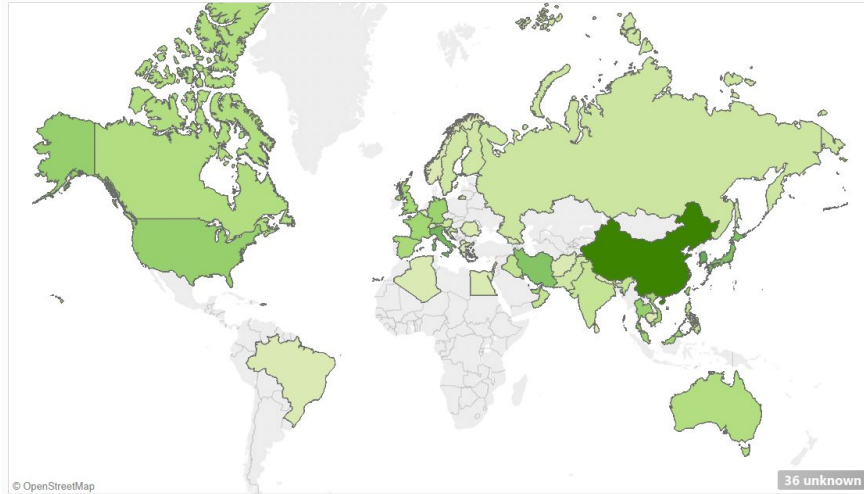


# Distribution/Spread

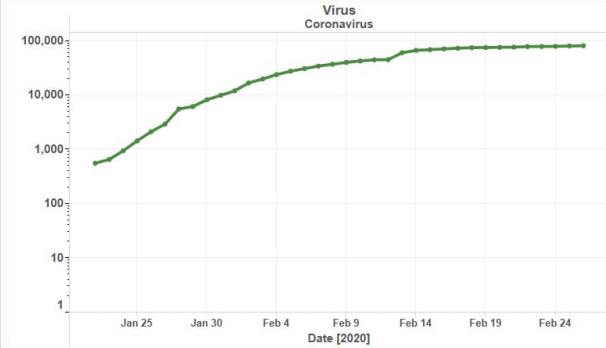
## [Dashboard](#)

[https://public.tableau.com/profile/kriti6381#!/vizhome/Spread\\_15839457612560/Dashboard2?publish=yes](https://public.tableau.com/profile/kriti6381#!/vizhome/Spread_15839457612560/Dashboard2?publish=yes)

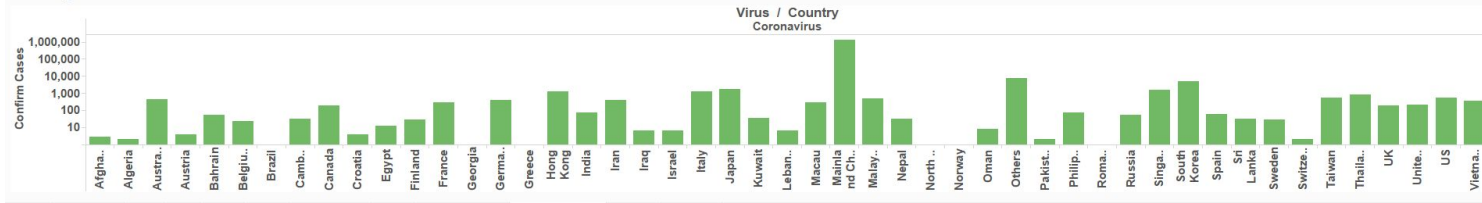
Countries Affected



Number of cases by Recorded Dates



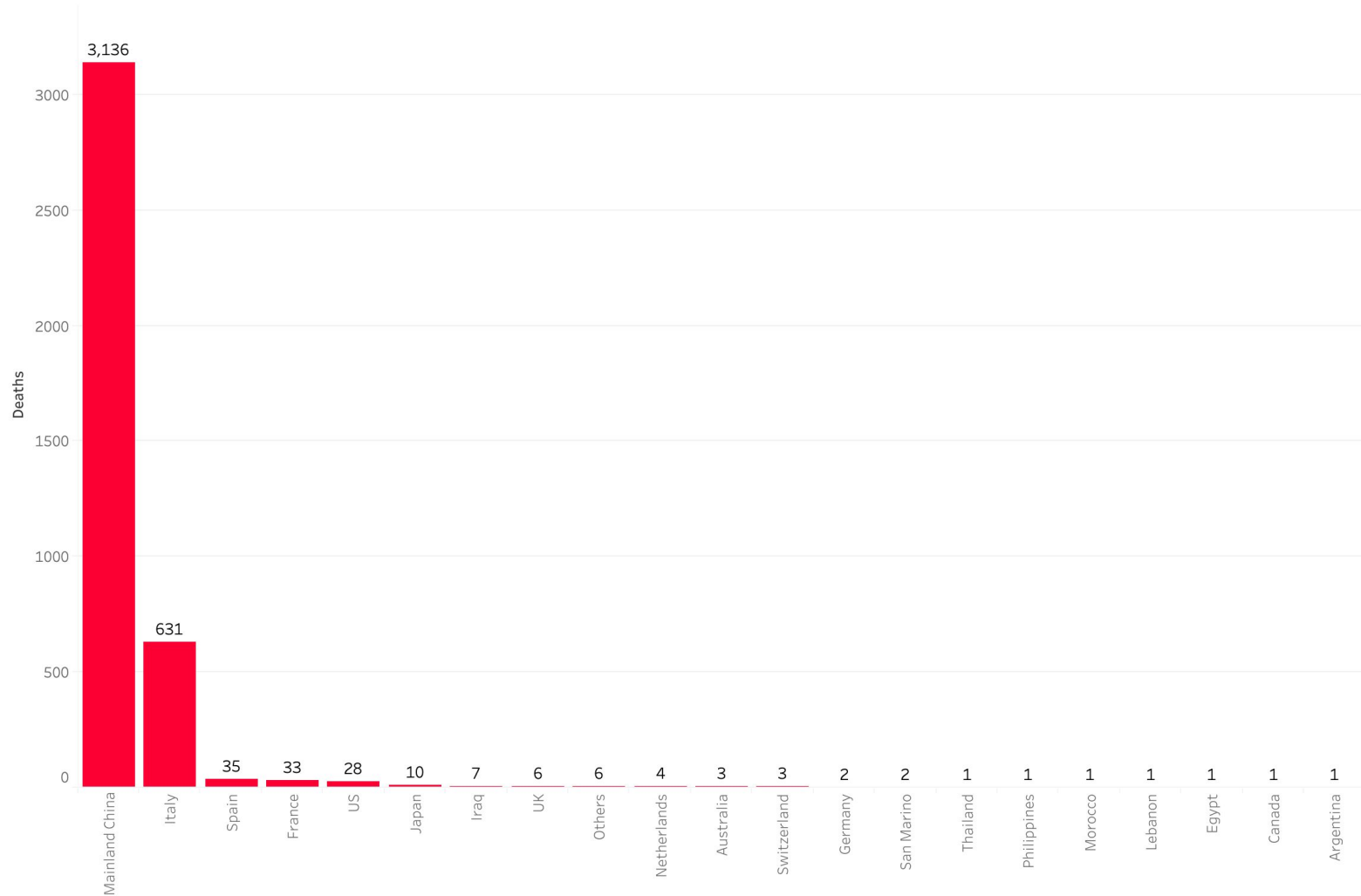
Cases by countries





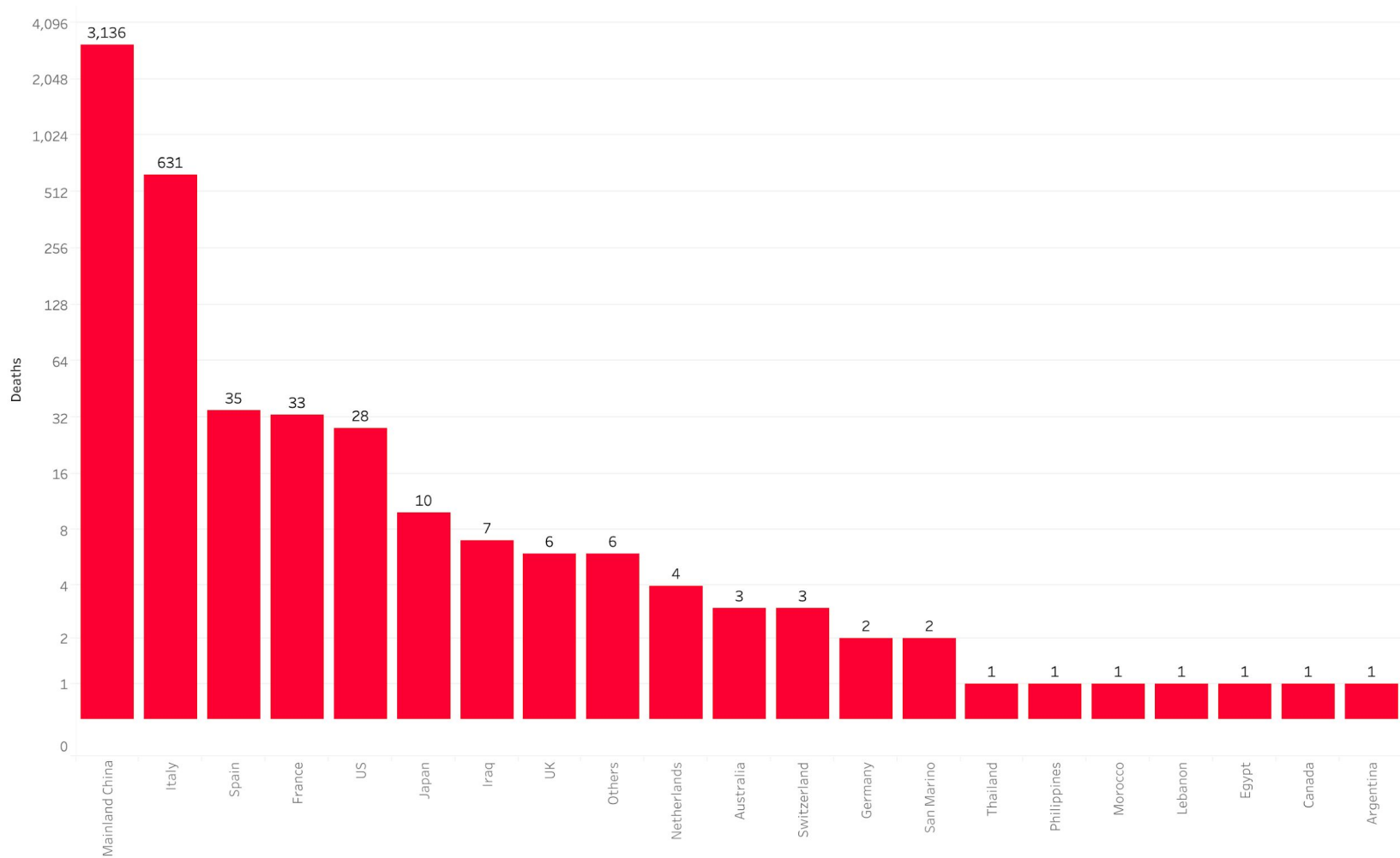
# COVID-19 Deaths

Covid-19 Deaths by country (as of March 10, 2020)

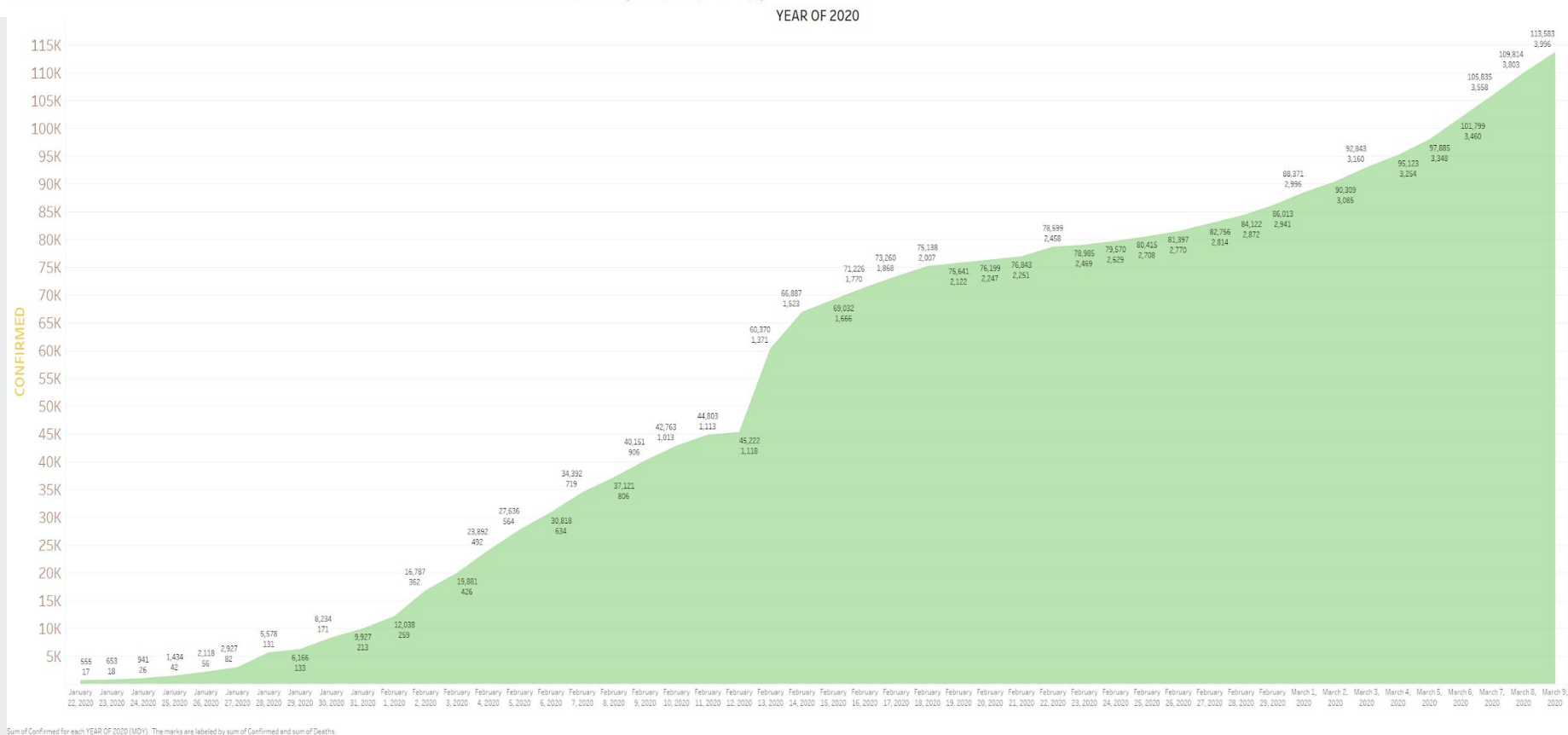




COVID-19 Deaths by country (as of March 10, 2020)



# CONFIRMED CASES AND DEATHS OF CORONAVIRUS *(Day by Day)*



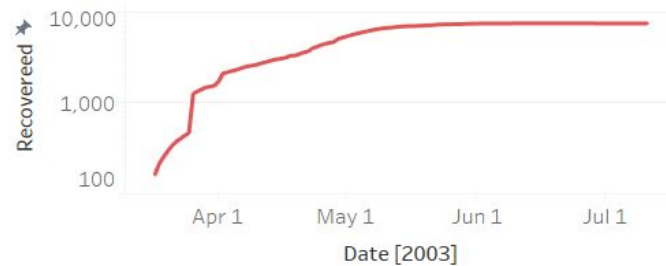
Sum of Confirmed for each YEAR OF 2020 (MOV). The marks are labeled by sum of Confirmed and sum of Deaths.



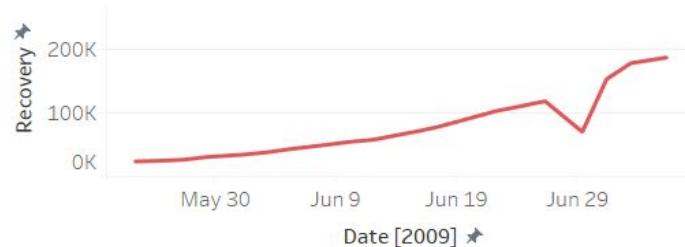
# Recovery

# Recovery

## SARS



## H1N1



## CORONA



## EBOLA



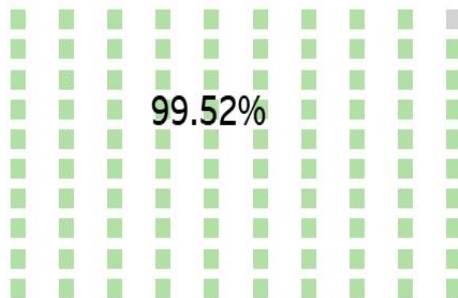
## MERS



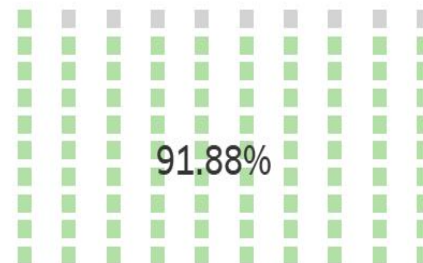
# Recovery



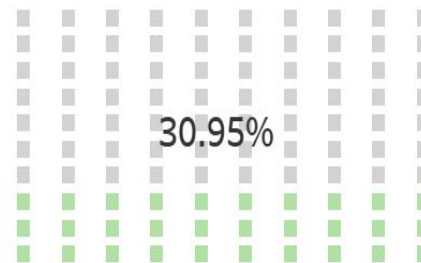
H1N1



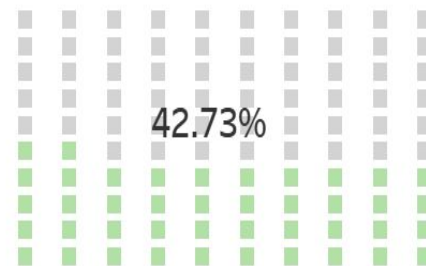
SARS



CORONA



EBOLA

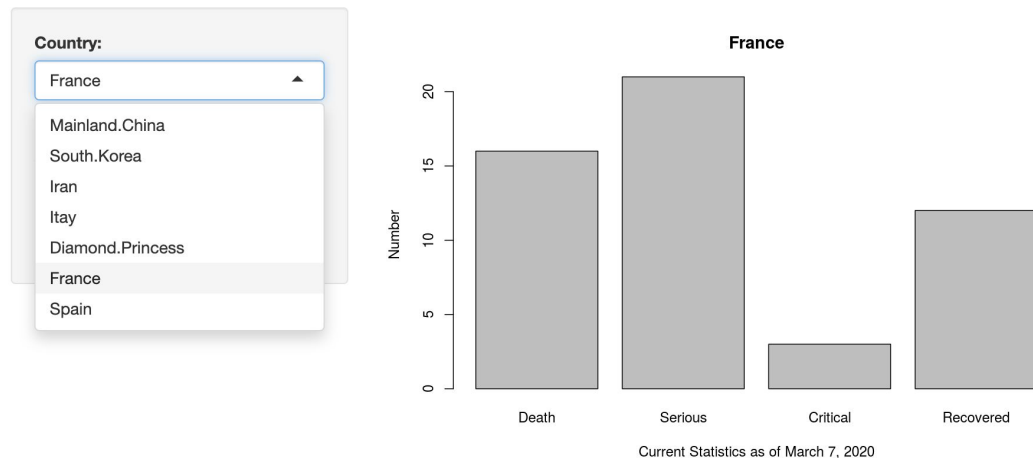


MERS



# Interactive Dashboard

## COVID-19 Stats by Country



<https://jamesvalles.shinyapps.io/Corona-19Stats/>

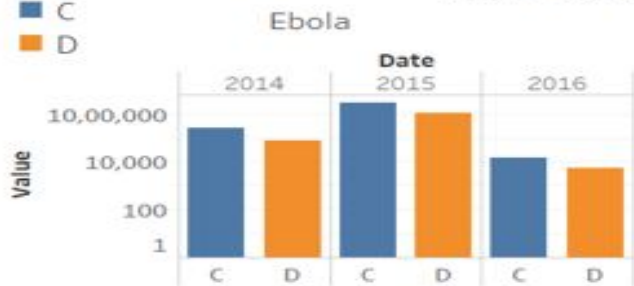


# Peak

# Measure Names

C  
D

## Peak - Confirmed Cases (C) Vs Death(D)





# Virus Severity with Animal Contact

Severity and Animal_Contact		
	FALSE	TRUE
CRITICAL		
MILD		
SERIOUS		
Animal_contact		



# Economic Impact



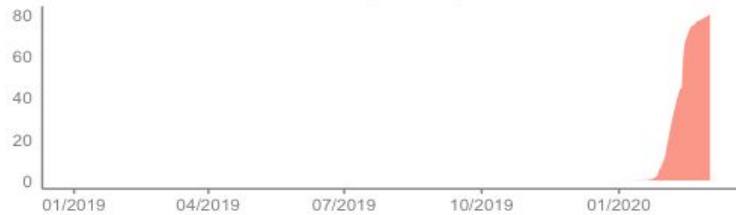
# Impact in China

Due to the fast spreading of Covid-19, from late January, through February, till now, most of the businesses, factories, schools and all kinds of organizations in China have been shut down, most of the public transportation and international air traffic have been suspended. This has caused a huge impact on not only residents lives, but also the economy.

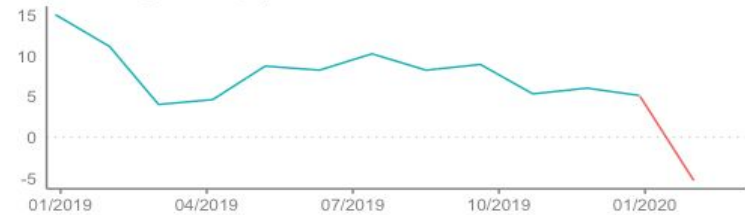
The following visualization, Covid-19 Impact In China, focuses on four major impacts this outbreak has brought to China: overall economy, stock market, air traffic, and air quality.

# Covid-19 Impact In China

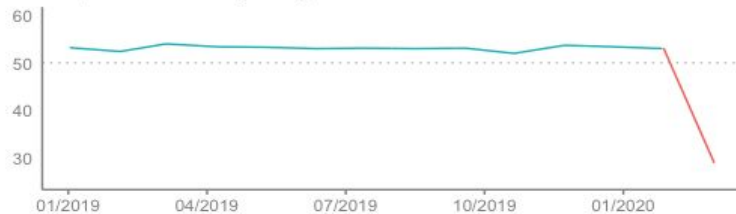
Confirmed Covid-19 Cases in China (thousand)



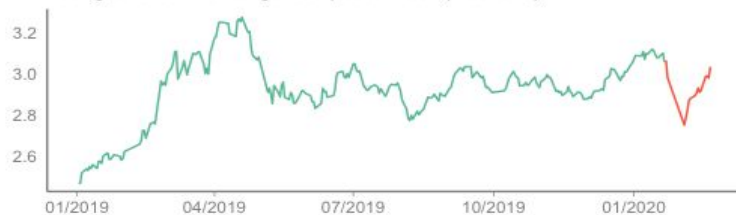
Air Passenger Traffic (%)



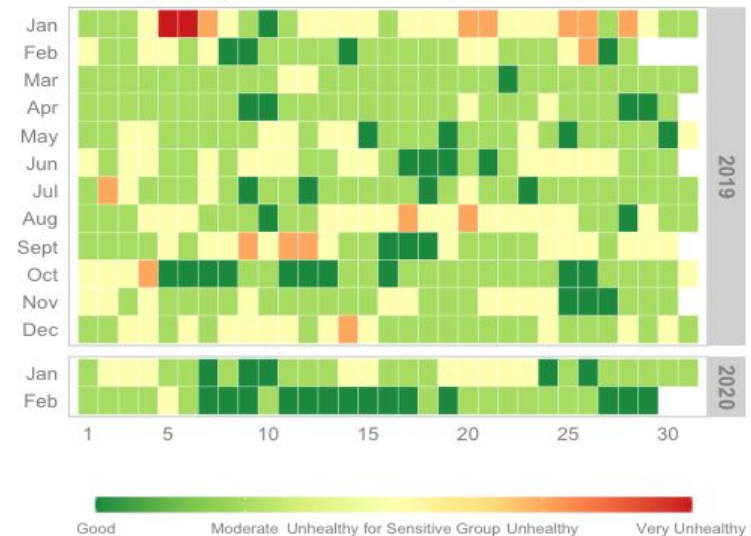
Composite Purchasing Manager's Index



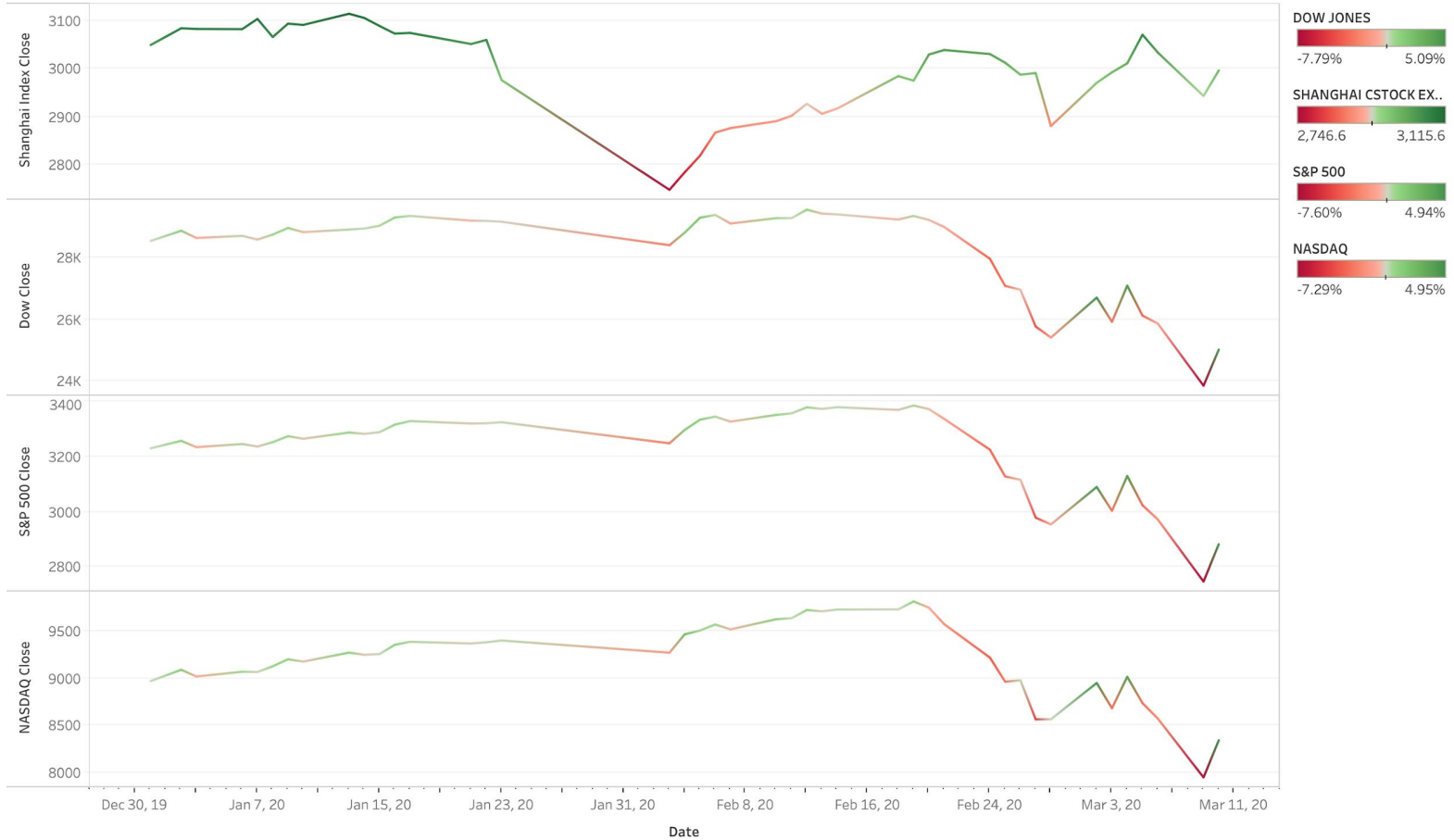
Shanghai Stock Exchange Composite Index (thousand)



Wuhan Air Quality Index



U.S. & Chinese stock markets from beginning of Covid-19 outbreak to March 10, 2020





**Thank you :)**  
**Feedback**  
**appreciated**