CS5346 Final Exams

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URL of D3 Visualizations	**https://eric-han.com/CS5346-Final/**

Qn Brief

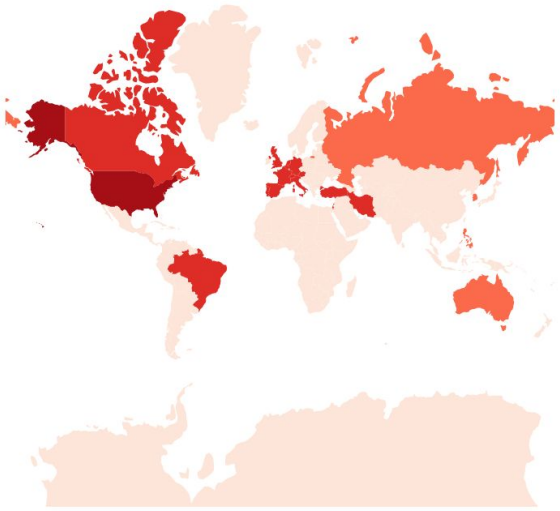
(i) Visualise the top 20 countries with highest increase in the number of confirmed cases, on a daily basis, in the month of March.
- Increase = number of cases today - number of cases yesterday
(ii) Create any other explanatory or exploratory visualization(one visualization is fine) of your choice using any of the given datasets
Constraint: your chart choice in (ii) should be different than the chart choice in (i)

Pre-Processing

Part i

Computed the increase for every country over time

Q1: Top 20 countries with the highest increase in the number of confirmed cases in a map
https://eric-han.com/CS5346-Final/q1.html



Visual Encoding

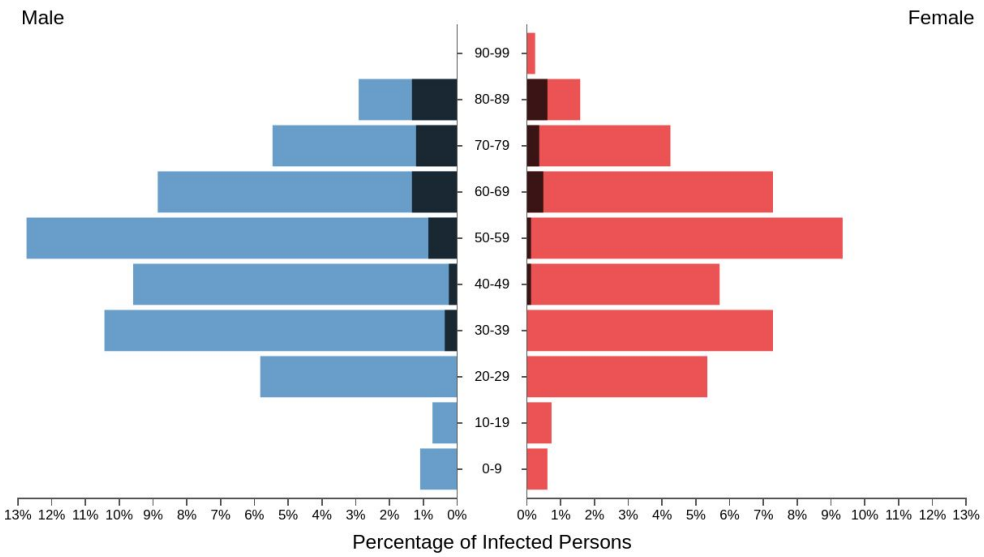
Data	Data Types	Encoding (Marks, Channel)	Mapping Notes (Attrb > Comp.)
Country	Categorical, Identity	Mark: Area Channel: Shape	Country mapped to shape
Country Location	Categorical	Mark: Area Channel: xy map Position	Country mapped to its relative position on the map
Number of Increases	Quantitative, magnitude	Mark: Speech Bubble Channel: Text on Motion	Country and number of increases shown on hover
Number of Increases	Quantitative,	Mark: area	Higher the number of

	magnitude	Channel: Color Intensity	increase, the darker the red.

Q1: What is the progression of the highest increase of cases in any country?

https://eric-han.com/CS5346-Final/q2.html

599 Korea, South
851 Korea, South
587 Italy
769 Italy
1234 Iran
1247 Italy
1492 Italy
1797 Italy
977 Italy
2313 Italy
1075 Iran
5198 Italy
3497 Italy
3590 Italy
3233 Italy
3526 Italy
4207 Italy
5964 US
5986 Italy
6557 Italy
7676 US
10571 US
9893 US
12038 US
18058 US
17821 US
19808 US
19444 US
20922 US
26341 US



Data	Data Types	Encoding (Marks, Channel)	Mapping Notes (Attrb > Comp.)
Number of Cases	Quantitative Magnitude	Marks: Line(Bar) Channel: y-Position	Higher the number of cases, the more right
Number Recovered	Quantitative Magnitude	Marks: Line(Bar) Channel: y-Position	Higher the recovered, the more left
Number deaths	Quantitative Magnitude	Marks: Line(Bar) Channel: y-Position	Higher the number of deaths the more right
Type of Quantitatuve data	Categorical Identity	Marks: Line(Bar) Channel: Color Hue	Black: deaths Green: Recovered Red: Active cases

Comment:

Could not finish. D3 is impossible to do in these circumstancess...