CS5346 Final Exams

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

Qn Brief

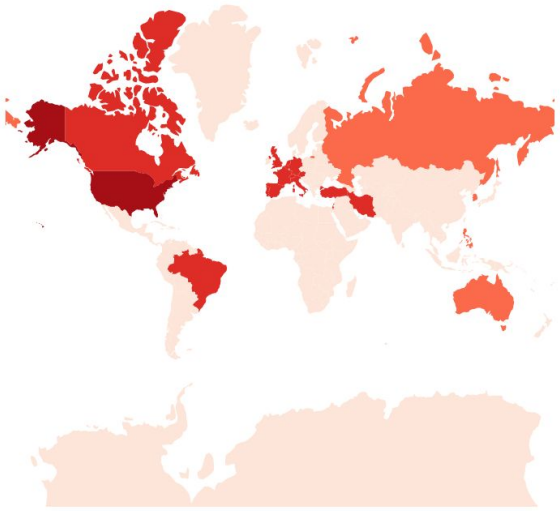
(i) Visualise the top 20 countries with highest increase in the number of confirmed cases, on a daily basis, in the month of March.
- Increase = number of cases today - number of cases yesterday
(ii) Create any other explanatory or exploratory visualization(one visualization is fine) of your choice using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



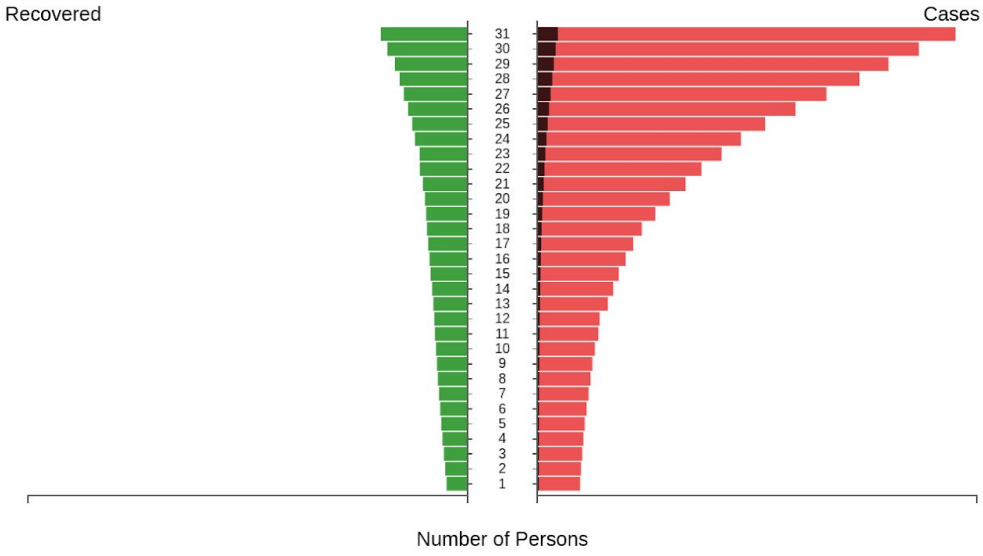
Visual Encoding

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 cases in any country in March?

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



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 Quantitative data	Categorical Identity	Marks: Line(Bar) Channel: Color Hue	Black: deaths Green: Recovered Red: Active cases

Comment:

I could not finish. D3 is impossible to do in these circumstances...