Visualising Data Assignment 2021

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Context

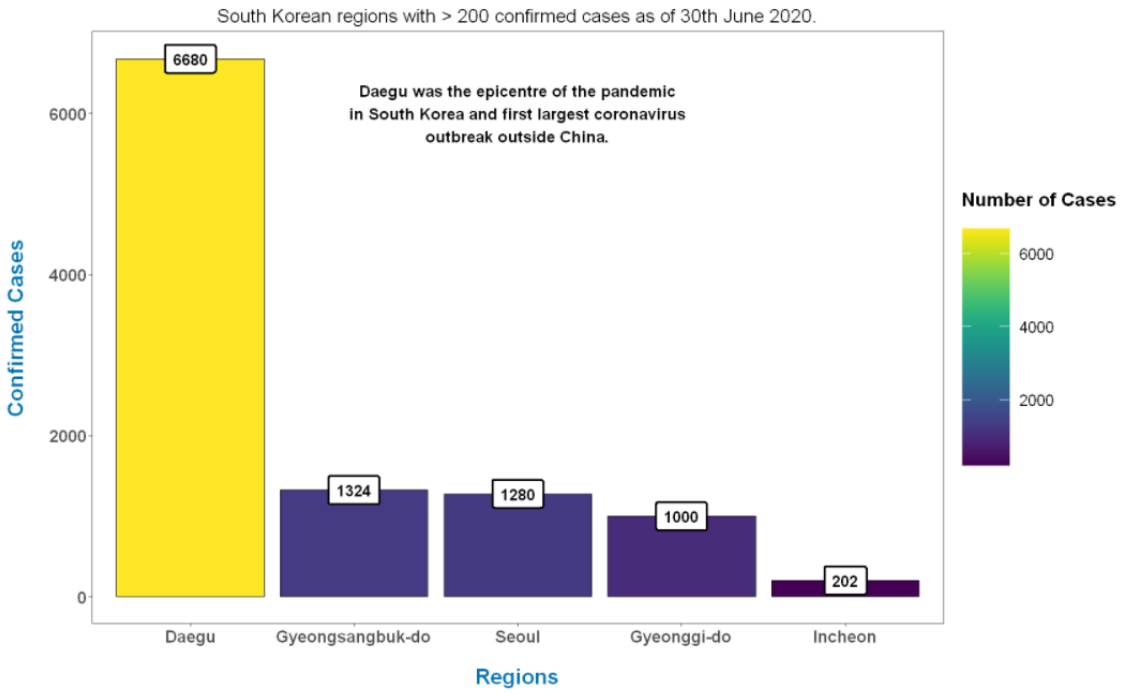
In 2020, during the COVID-19 pandemic, South Korea implemented effective measures for controlling the spread of COVID-19. Regimented masking, aggressive testing and high-tech contact tracing were quickly put in place, slowing the spread down. Eventually, South Korea managed to slow the spread to about a few hundred cases per day, which is impressive for a country of ~51 million people.

The dataset describes comprehensive data on the first few months of the pandemic, from 20th January to 30th June. The goal is to analyse how COVID-19 impacted a country that is one of few to handle a pandemic so well early on. The spread over months, reasons for infection, cases by region and ages/sexes of infected people will be looked at just to see how it all fared for South Korea. Daegu, South Korea is known for having the largest coronavirus outbreak outside of China.

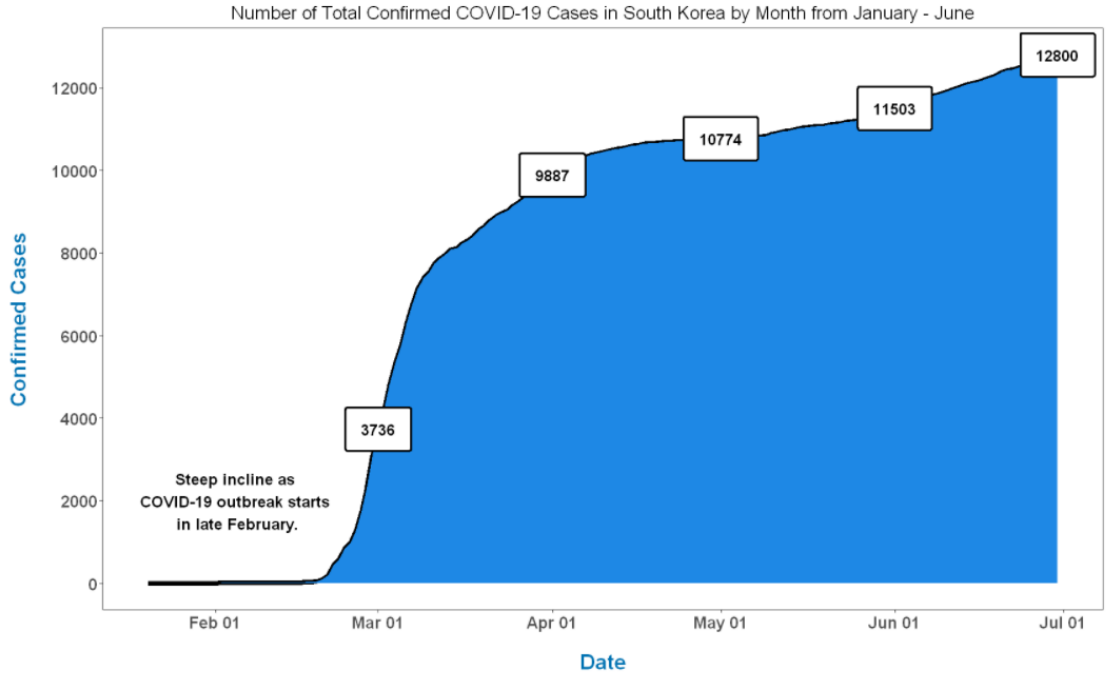
Visualisations

The charts below are used for the story. I tried to use the most appropriate types for the data I used to tell the story. For comparing categorical data, I used bar charts. An area graph was used to show the number of cases over several months and a tile chart with heatmap was used to show the number of cases for each sex and age group.

South Korean Regions With Highest Confirmed COVID-19 Cases in 2020



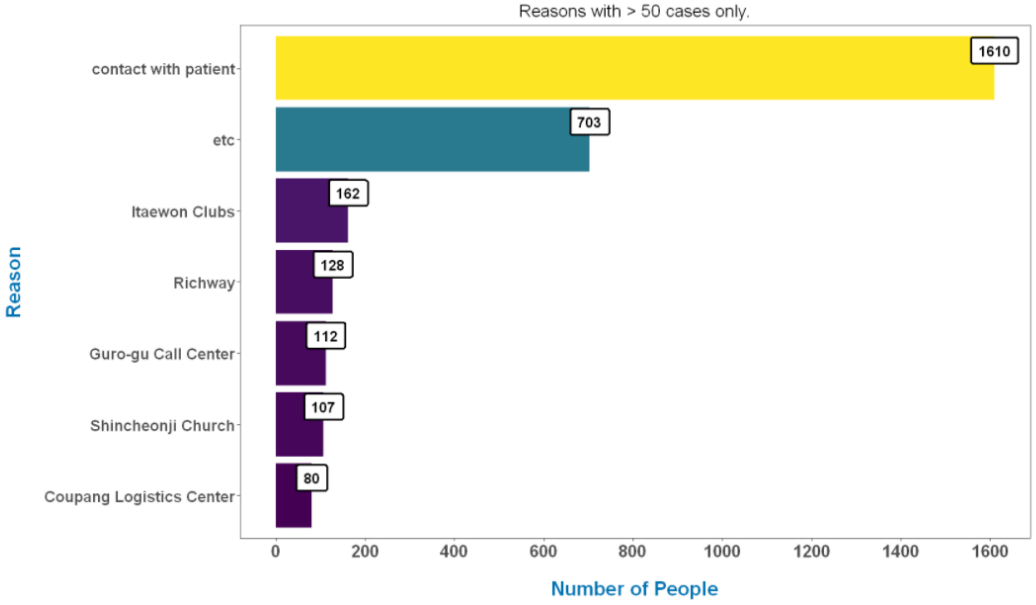
Number of Total Confirmed COVID-19 Cases in South Korea in 2020



Reasons For COVID-19 Infection in South Korea in 2020

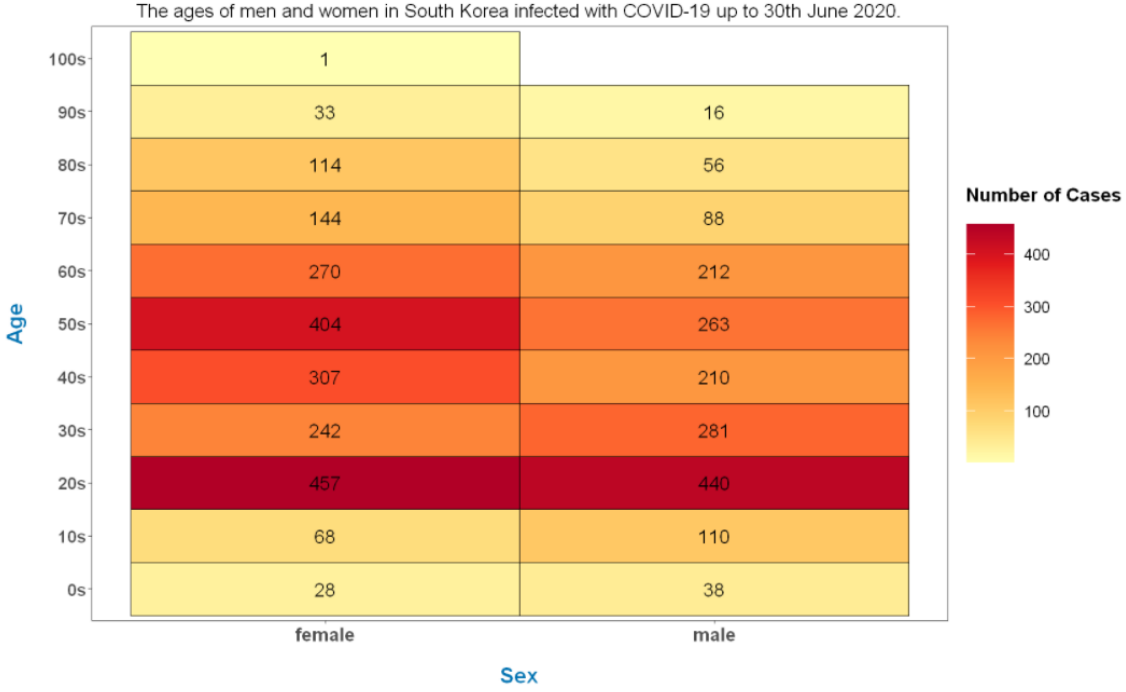
The reasons for how people in South Korea were infected with COVID-19 in 2020.

Reasons with > 50 cases only.



Ages of People Infected with COVID-19 in South Korea in 2020

The ages of men and women in South Korea infected with COVID-19 up to 30th June 2020.



Audience

The audience for this story would not just be for Koreans also particularly for the people who are interested in how COVID-19 affected other countries, especially a country known as one of the best for handling the pandemic. Even other countries followed suit with the use of masks and testing but South Korea was one of the first to implement it.

Practically everyone is affected by COVID-19 but may also want to see how South Korea was affected by it in the early stages so this story would be tailored to them.

Risks & Opportunities

The risks for not knowing about this story is that you may miss out on understanding how South Korea combatted COVID-19 and kept it fairly under control while many other countries struggled and still do struggle with it. Knowing the main reasons for infection may make some more wary and take proper precautions so there is a risk of not knowing about this if the story message doesn't get through.

The opportunities are the opposite of the risks, understanding a bit better how South Korea's methods helped slow the spread even after a big outbreak in Daegu and maybe persuading people to be a bit more cautious by showing them the age group associated with the most cases and the main reasons for infection.

Story in a Sentence

How COVID-19 Pandemic Impacted South Korea in 2020.