Analysis of COVID-19

COVID-19 Risk for Age and Gender

Is the Coronavirus an equal-opportunity disease?

Coronavirus

The Coronavirus, which is a global pandemic, doesn't have much data available regarding how gender and age correlate with infection rates

Context

As of March 28th 2020

- Coronavirus Cases:
  - 653,907
- Coronavirus Deaths:
  - 30,360
- Coronavirus Recovered:
  - 139,591

Problem statement

Who is most at risk of being infected by the Coronavirus?

Who should be treated more aggressively?

Reporting Date

01/20/2020 - 03/06/2020

Approximately 13,173 rows of Data

Link to raw data

Challenges deep-dive

Challenge 1 → Challenge 2 → Challenge 3

Find Relatable Data

Scrub databases looking for data that includes infected Coronavirus cases, age and gender.

- Database pulled from Johns Hopkins University

Read Relatable Data

Coronavirus data of cases includes:

- 1,181 records of gender information
- 1,349 records of age information

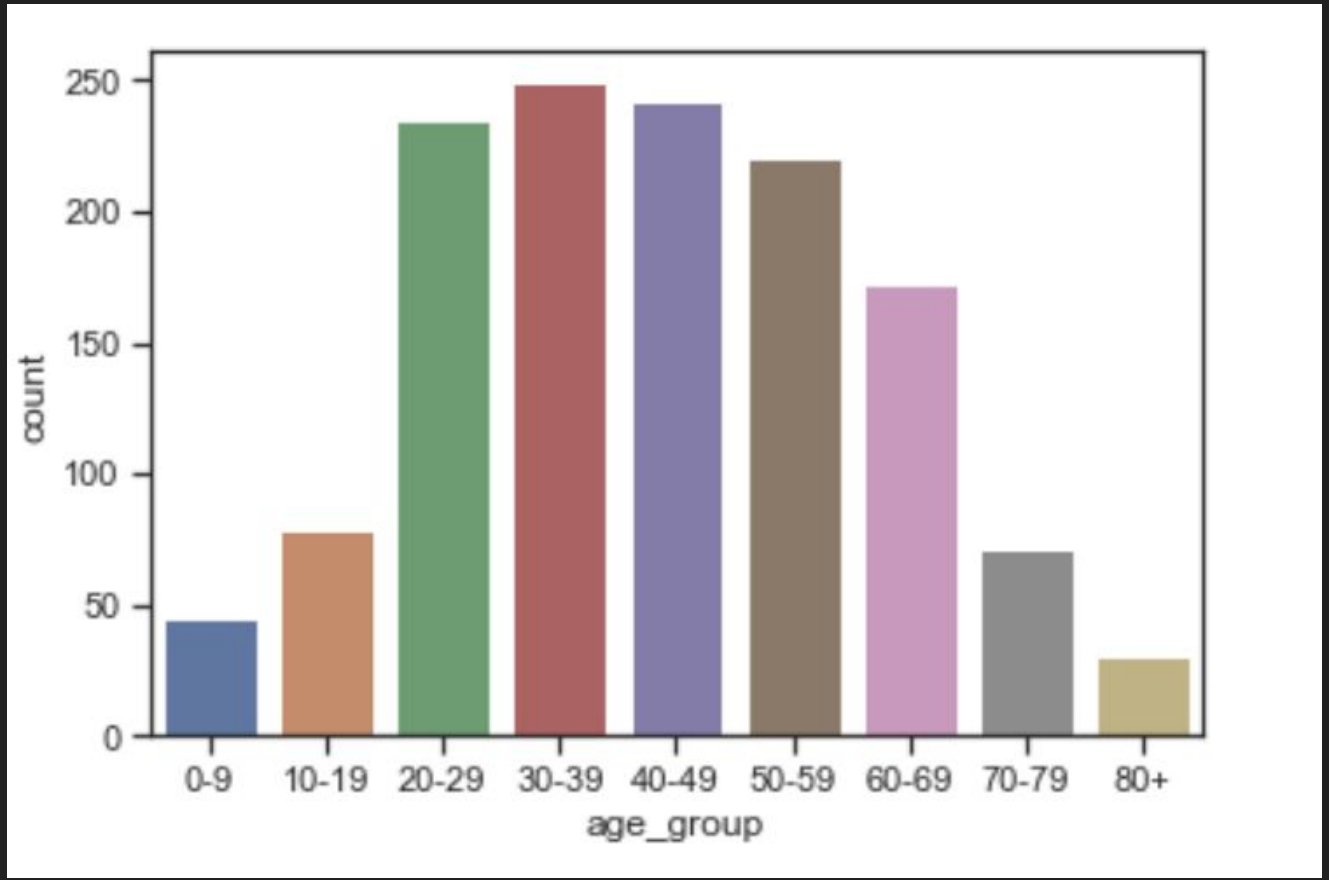
Graph Relatable Data

Construct the graph so that it’s easy to understand and visualize quickly.

Coronavirus Impact

Median infected Age Group:

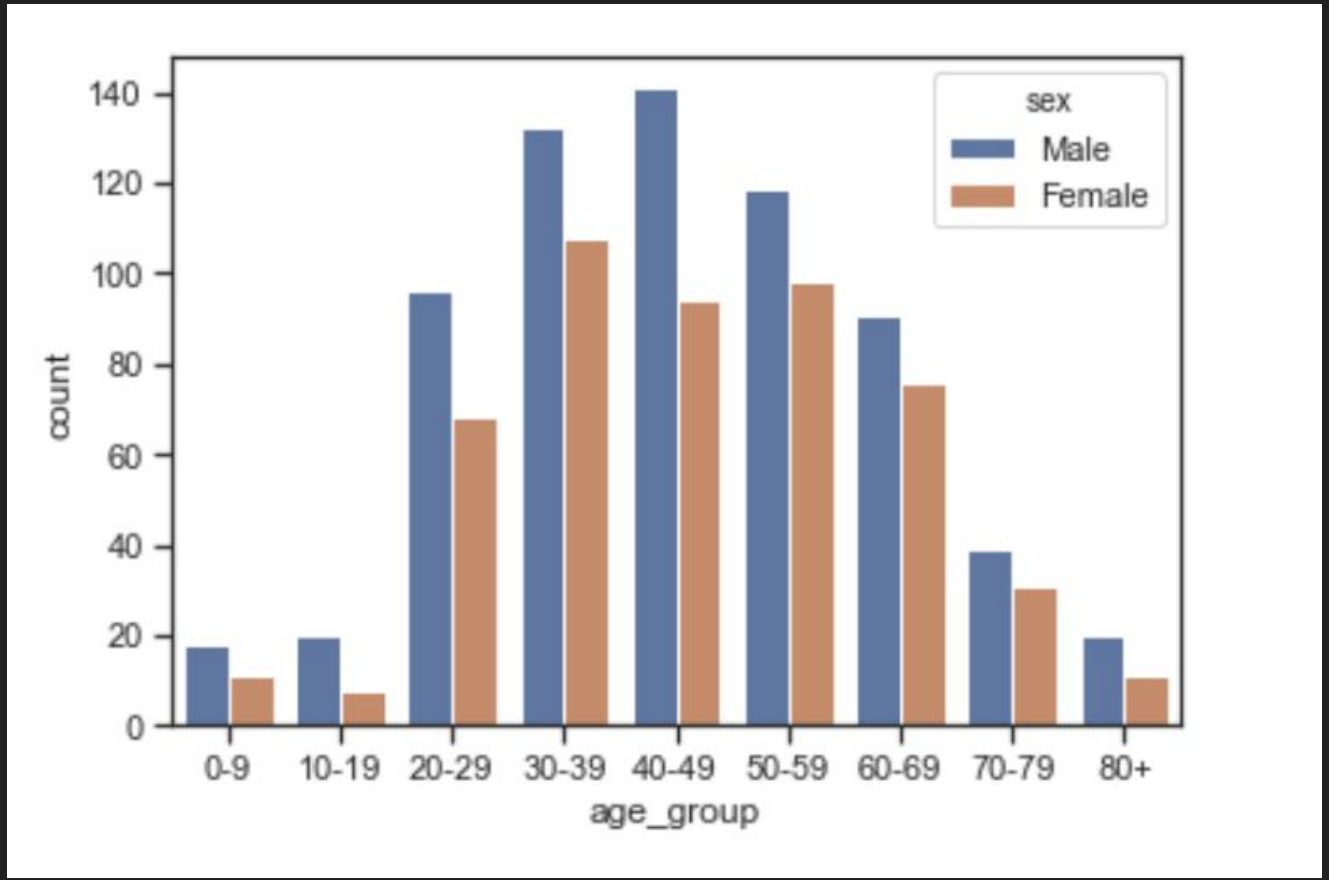
- 42 years old



Coronavirus Impact

Median infected by Gender:

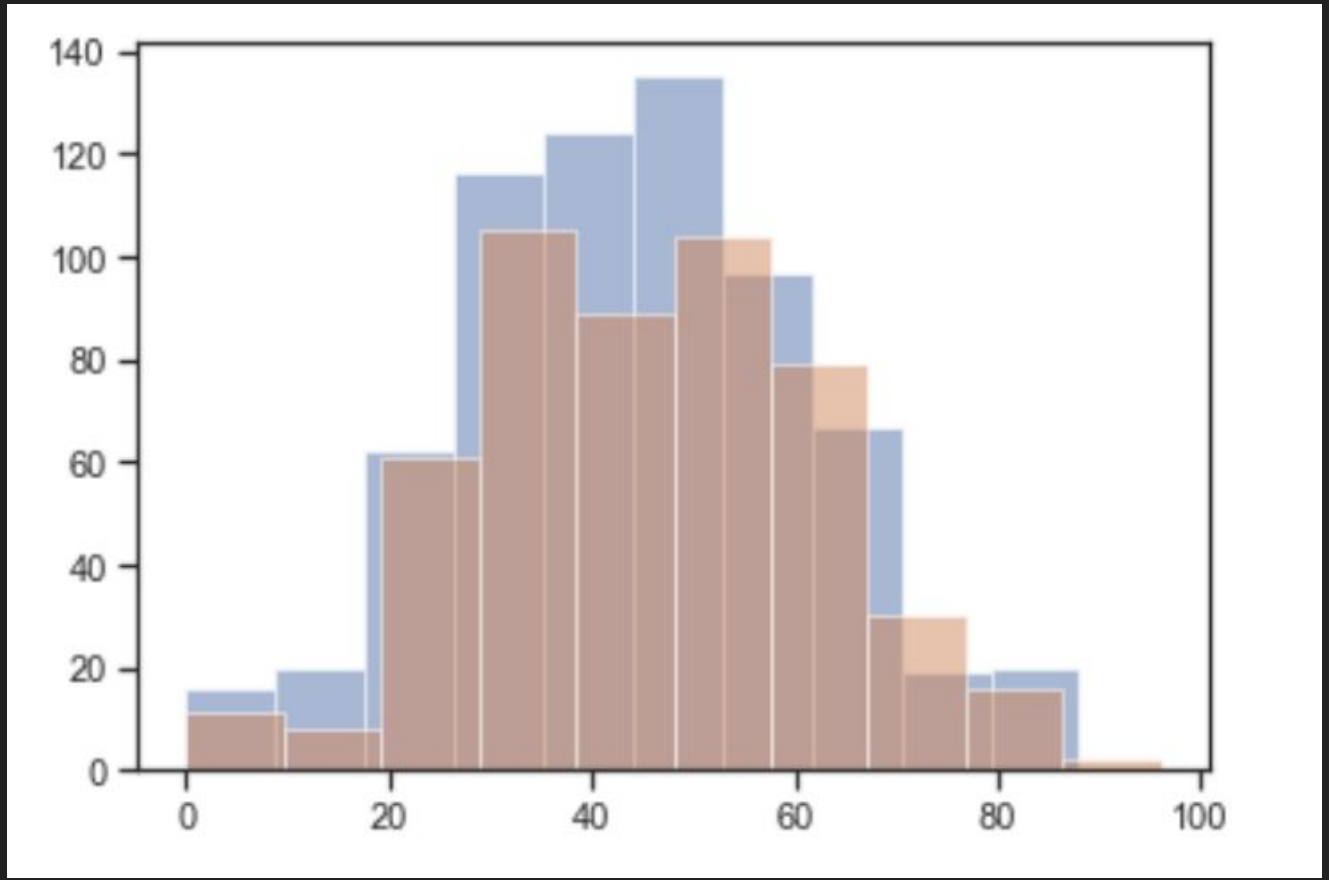
- Male - 44 years old
- Female - 45 years old



Coronavirus Impact

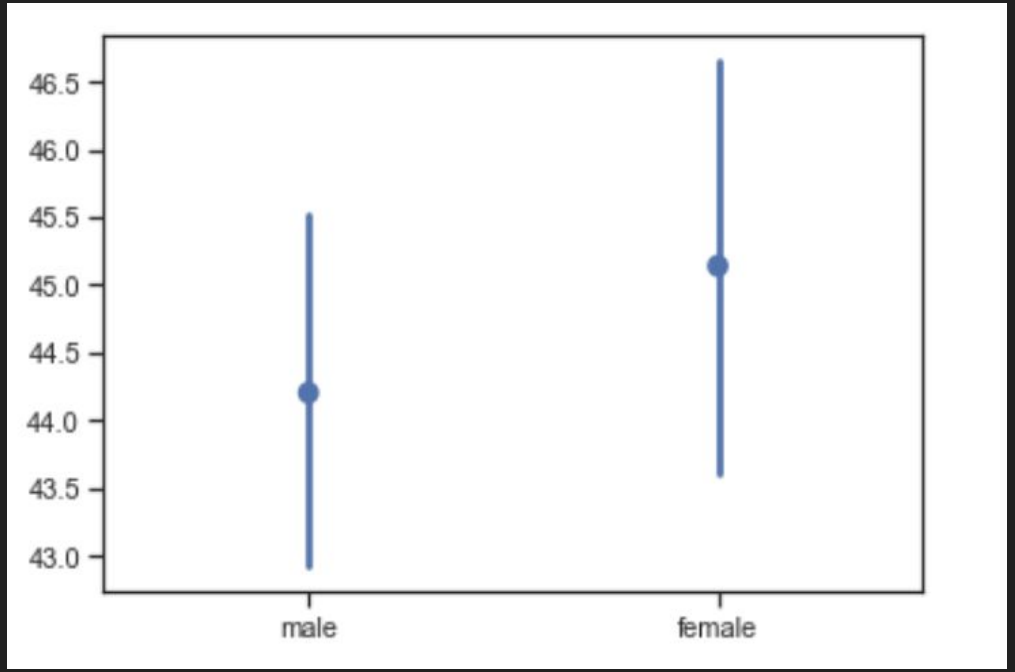
Median infected Age Group:

- Male to Female ratio is 1.33:1



Coronavirus Impact

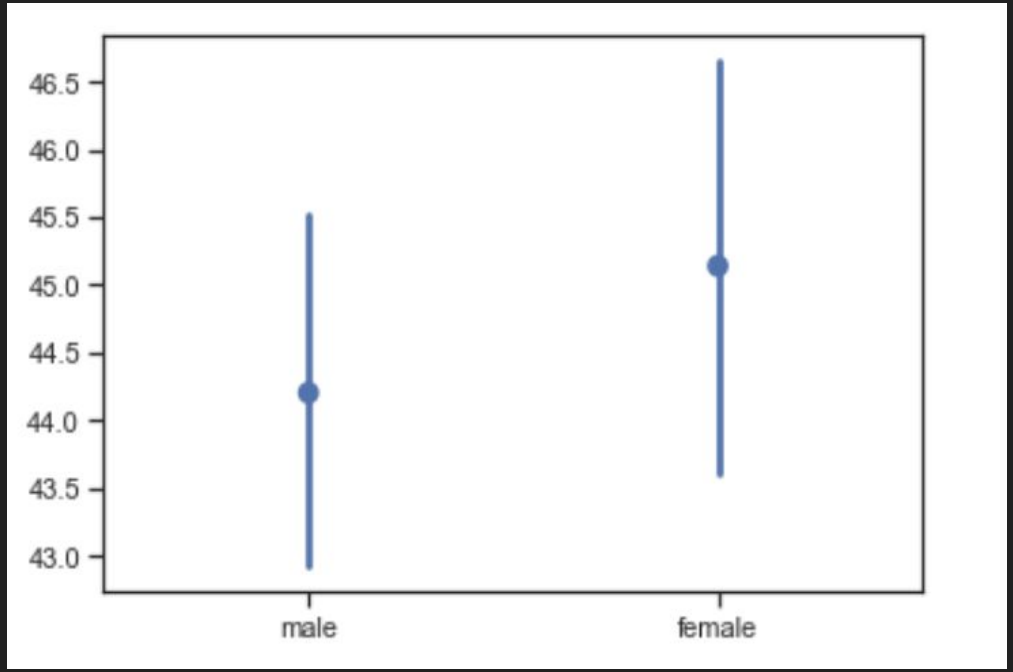
With 95% confidence, the average age of infected cases is between 1 and 3 years older for Males.



Practical Takeaways

Lower age group , typically, is in more frequent contact with others.

- Schools
- Jobs
- Public Transit



Any Questions?

Thank you for your time.