



Corona Virus Report

Yan Ma

XXX

Reports XXXX

XXX

XXX XXX

XXX

Report for
Australian Government COVID19

21 May 2020

Our consultancy
add names &
add names

📞 (03) 9905 2478
✉️ questions@company.com

ABN: 12 377 614 630

Country XX1 and YY1"

Country China and Japan

This section would do some analysis on China and Japan.

Table 1: Total cases and deaths in China and Japan

countryterritoryCode	total_cases	total_deaths
CHN	83991	4637
JPN	15747	613

Table 1 shows the total cases and deaths of COVID-19 in China and Japan from December 2019 to May 2020.

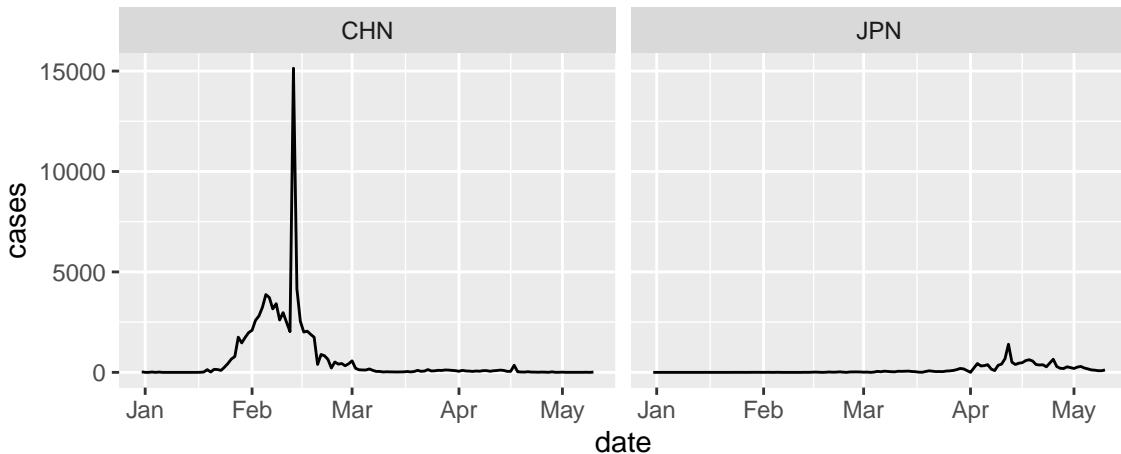


Figure 1: Cases by time

Figure 1 Shows the trend of cases reported every day in China and Japan.

For China, there is a large increase from February 12 to February 13. The reason is that 13,332 of these 15141 new cases are clinically (rather than laboratory) confirmed cases, reported for the first time as an effect of a change in how cases are diagnosed and reported in Hubei province starting on February 12. See more information [here](#). If we ignore this outlier, there's an increasing trend from January 18 to February 5, and then the count of cases decreases till May. It can be seen that for China, the large-scale outbreak of the COVID-19 occurred between the end of January and the beginning of March.

For Japan, the peak of cases appeared in April 12 with a count of 1401. And the large-scale outbreak of the COVID-19 occurred between the end of March. The cases in Japan began to increase in early February, this is because an outbreak among passengers and crew on a cruise ship led to quarantine of approximately 3,700 passengers and crew that began on February 3, and lasted for nearly 4 weeks at the Port of Yokohama. By February 9, 20 cases had occurred among the ship's crew members. By the end of quarantine, approximately 700 cases had been laboratory-confirmed among passengers and crew [Kakimoto et al. \(2020\)](#).

1 The packages used in this section is:

tidyverse: Wickham et al. ([2019](#))

readr: Wickham, Hester, and Francois ([2018](#))

kableExtra: Grolemund and Wickham ([2011a](#))

bookdown: Xie (2020)

lubridate: Grolemund and Wickham (2011b)

Country XX3 and YY3

References

Grolemund, G and H Wickham (2011a). Dates and Times Made Easy with lubridate. *Journal of Statistical Software* **40**(3), 1–25.

Grolemund, G and H Wickham (2011b). Dates and Times Made Easy with lubridate. *Journal of Statistical Software* **40**(3), 1–25.

Kakimoto, K, H Kamiya, T Yamagishi, T Matsui, M Suzuki, and T Wakita (2020). Initial investigation of transmission of COVID-19 among crew members during quarantine of a cruise ship—Yokohama, Japan, February 2020.

Wickham, H, M Averick, J Bryan, W Chang, LD McGowan, R François, G Grolemund, A Hayes, L Henry, J Hester, M Kuhn, TL Pedersen, E Miller, SM Bache, K Müller, J Ooms, D Robinson, DP Seidel, V Spinu, K Takahashi, D Vaughan, C Wilke, K Woo, and H Yutani (2019). Welcome to the tidyverse. *Journal of Open Source Software* **4**(43), 1686.

Wickham, H, J Hester, and R Francois (2018). *readr: Read Rectangular Text Data*. R package version 1.3.1. <https://CRAN.R-project.org/package=readr>.

Xie, Y (2020). *bookdown: Authoring Books and Technical Documents with R Markdown*. R package version 0.19. <https://github.com/rstudio/bookdown>.