

## Final project for Data Visualization Course

CSH4W3

1. Visit this site: <https://data.humdata.org/dataset/novel-coronavirus-2019-ncov-cases>. It provides Global Covid-19 cases data. The data is compiled by the Johns Hopkins University Center for Systems Science and Engineering (JHU CCSE) from various sources including the World Health Organization (WHO), DXY.cn. Pneumonia. 2020, BNO News, National Health Commission of the People's Republic of China (NHC), China CDC (CCDC), Hong Kong Department of Health, Macau Government, Taiwan CDC, US CDC, Government of Canada, Australia Government Department of Health, European Centre for Disease Prevention and Control (ECDC), Ministry of Health Singapore (MOH).
2. (Optional) or You can also use the local data for Indonesian cases here: [https://kawalcovid19.blob.core.windows.net/viz/statistik\\_harian.html](https://kawalcovid19.blob.core.windows.net/viz/statistik_harian.html).
3. Create interactive visualization for those available data on the website by using python's Bokeh. You can use any provided data in there as your preference. At least in the visualization, the user must be able to do the following actions:
  - a. Viewing **the daily total confirmed case, death case, and recovered case** for global and for the selected country or province.
  - b. Viewing the daily additional number of **confirmed case, death case, and recovered case for global and specific country or province.**
4. The interactive data at least must include the following widgets: button, slider, RadioGroup, and Select.
5. Consider the functionality first then the polish.
6. Create as creative as you can. The modest project result with minimum requirement or effort will get point 75 for maximum. Be creative to get the extra points.
7. Each group's visualization appearance must have different interface, any similarity will be asked for confirmation.
8. Submit the project to the classroom in one folder equipped with README file explaining the guidance/instruction of program for the users.
9. Each group must present the project **on April 28<sup>th</sup> 2020.**
10. Do not forget to write down your name and student's id.