We are still facing the global crisis of the COVID-19 pandemic. As individuals we can do our part in keeping others safe by following the rules suggested by the government and WHO.

As part of the data science community we can also provide our contribution, by analysing the data and helping to communicate it. Such type of support is high demand among government and related institutions. The purpose of this assignment is to fulfil that role.

The project is designed to give you experience collecting or finding your own data and related information, determining the appropriate questions to answer about the data, and planning how to execute analysis of the data. The project represents 28% of your final grade for STA 326 2.0.

Project guidelines:

The countries in the list are the top 58 countries that have been affected from Covid-19. I have assigned a country for each of you (Please send me an email if your name is not in the list). You need to write a report by analysing coronavirus data of the country that I have assigned. The report should be written in Rmarkdown and the output format should be HTML. All your reports will be published on the course website here: <https://hellor.netlify.app/resources/>

You can download coronavirus data from the coronavirus package in R. This helpfile here <https://hellor.netlify.app/slides/coronavirus_assignment_help_file>

gives some useful hints on how to extract and visualise relevant data from the package.

Project content:

Brief introduction of the country:

* Visualization of the location
* Climate condition
* Lockdown status of the country, etc.
* Actions taken by the government
* Etc.

Exploratory Data Analysis

* Visualization of death, confirmed, recovered, active cases
* Comparison with other countries
* etc

Conclusions and Discussion

Marks:

Content: 25 Marks (Data Analysis and interpretation -15, Overall format - 5)

Participation in the discussion forum: 3 Marks (You can participate by providing answers to your colleagues’ questions, providing links to useful reports/ blogposts, etc, and asking questions)

Documents need to submit: .rmd file and .html file. Please name the files using your index number and the country.

Example: AS2017000-US.rmd and AS2017000-AUS.rmd

Please use the discussion forum on LMS to ask questions related to the project.

Deadline: 14 July 2020

Please be safe during this period and help one another. Your safety is my main priority. If you have any issues with submitting your assignment due to any unexpected circumstances, you can apply for an extension or special consideration. For special consideration or deadline extensions, please send me an email: ttalagala@sjp.ac.lk informing your request with the email title: STA 326 2.0 Individual project \_deadline\_extension\_(your\_Index\_Number)