

Assignment 1

Date: 12 September 2022

Select a **geom_*** function (for example **geom_polygon**). Make sure that your selected **geom_*** is not explained in any lecture slides. You are allowed to select geoms that I did not explain in <https://hellor.netlify.app/slides/1122021.html#46> or new geoms from any other resource.

Fill out the following google sheet with your chosen geom and index number: <https://docs.google.com/spreadsheets/d/1OHcEEZdR3LqEfpfMOHRA-VpNCpAbDASSBzR6WICvfT0/edit?usp=sharing>

Furthermore, you are not allowed to select a geom that has been already selected by another student in <https://docs.google.com/spreadsheets/d/1OHcEEZdR3LqEfpfMOHRA-VpNCpAbDASSBzR6WICvfT0/edit?usp=sharing>

Write

1. a brief explanation of the **geom_***
2. a ggplot to demonstrate the application of the selected **geom_***
3. R codes and outputs

Output type: You should arrange the content in an RMarkdown file. The output type should be HTML.

Please submit both .Rmd and HTML file.

Due Date: 19 September 2022

Example

geom_polygon

geom_polygon can be used to draw boundaries for different regions.

```
library(ggplot2)
library(maps)
library(tidyverse)
world <- map_data("world")
AUS <- world %>% filter(region == "Australia")
ggplot(AUS) +
  geom_polygon(aes(x = long, y = lat, group = group))
```

