Datathon 2021

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````r
thailand <- read_sav("data/W1 Merged Data/Wave.1_Data/Thailand/Thailand v4.2.sav")
thailand
````

```
## # A tibble: 1,546 x 259
##     country idnumber changwat    chno amper tambol muban  region  level1  level3
##     <dbl+l>    <dbl> <chr>   <dbl+lb> <dbl>  <dbl> <dbl> <dbl+l> <dbl+l> <dbl+l>
## 1 8 [Tha~         1 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 2 8 [Tha~         2 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 3 8 [Tha~         3 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 4 8 [Tha~         4 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 5 8 [Tha~         5 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 6 8 [Tha~         6 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 7 8 [Tha~         7 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 8 8 [Tha~         8 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 9 8 [Tha~         9 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## 10 8 [Tha~       10 Trang     30 [Tra~   70     70    70 5 [Sou~ 3 [tam~ 2 [rur~
## # ... with 1,536 more rows, and 249 more variables: level2_1 <dbl+lbl>,
## #   level2_2 <dbl+lbl>, level2_3 <dbl+lbl>, level3_1 <dbl+lbl>,
## #   level3_2 <dbl+lbl>, yrsurvey <dbl+lbl>, se002 <dbl+lbl>, se003 <dbl+lbl>,
## #   se003a <dbl+lbl>, se004 <dbl+lbl>, se004a <dbl+lbl>, se005 <dbl+lbl>,
## #   se005a <dbl+lbl>, se005b <dbl+lbl>, se006 <dbl+lbl>, se006a <dbl+lbl>,
## #   se007 <dbl+lbl>, se008a <dbl+lbl>, se008b <dbl+lbl>, se009 <dbl+lbl>,
## #   se009d <dbl>, se009a <dbl+lbl>, se012a <dbl+lbl>, se012bth <dbl+lbl>, ...
```

```r
thailand <- thailand %>%
  drop_na(ir010b) %>%
  filter(ir010b!=99)

ggplot(thailand, mapping=aes(ir010b)) +
  geom_bar() +
  labs(
    title = "How do interviewees rate the sanitary condition in the public area
            in their nearby neighborhood?",
    x="Rating of the Sanitary Condition in the Public Area",
    y="Frequency"
  )
```

```
## Don't know how to automatically pick scale for object of type haven_labelled/vctrs_vctr/double. Defa
```

How do interviewees rate the sanitary condition in the public area in their nearby neighborhood?
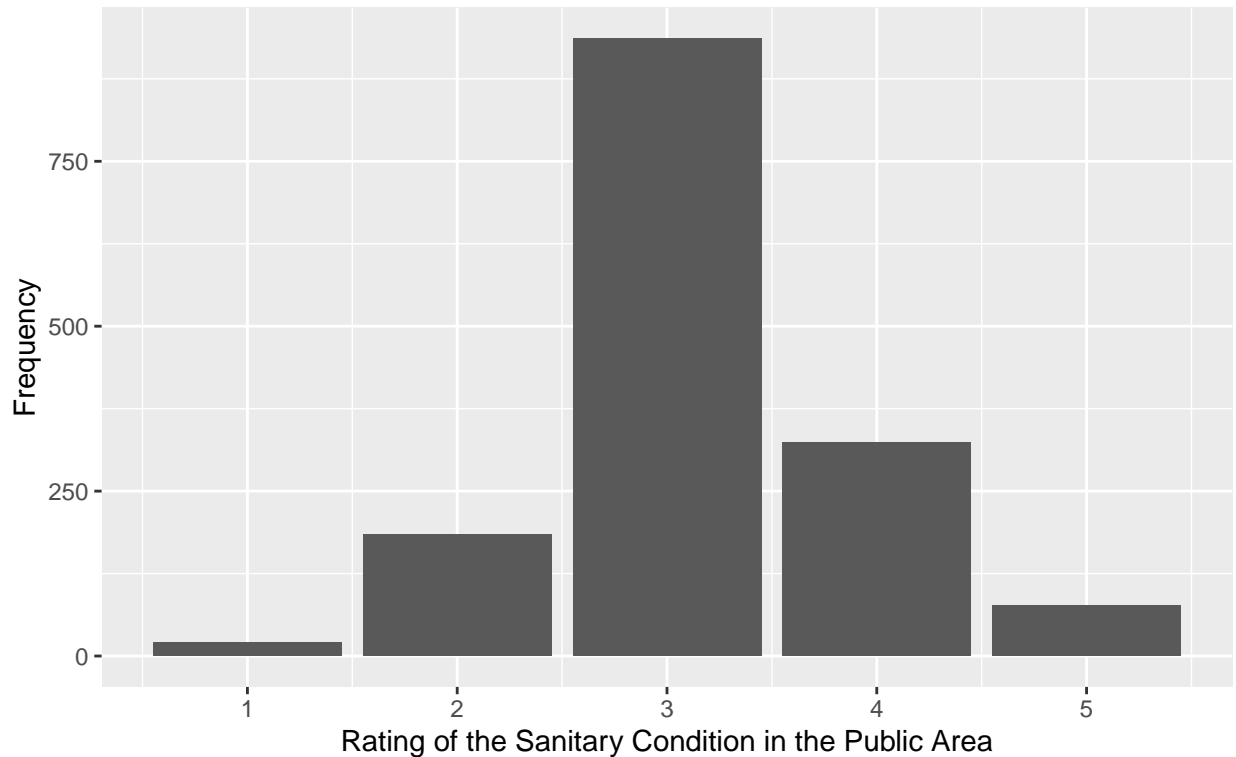
This dataset includes 1539 rows with 259 columns. This indicates that there were 1539 survey respondents and 259 pieces of information collected from these respondents. The particular data that we are interested in in this study is the santiary conditions in the interviewees' nearby neighborhood. This data is categorical. The santiary conditions will be compared to the avalaibiity of clean drinking water and electricity to determine the economic and public health conditions in the countries provided in the dataset. This will then be analyzed and compared against the percieved economic condition in those countries, using the respondents' rating of how they view the economic condition in their country. In summary, this will provide insight into how the economic conditions of Asian countries compare to one another and how the countries' residents percieve these economic conditions.