Assignment 3 Index No: - As2017419 Dear Madem,

Tam sorry to say about my issue in assignment of preparing report. My Rmarkdown file stucked, when I'm doing assignment last part. Then, I restarted my laptop. After restarting I couldn't open my file in Rmarkdown. All codes that I have typed have fully deleted. Unfortunatly, I only kniked first part of my outputs. I couldn't recover my file before the deadline of the project. Therefore, I re-write my all codes manually. That written file are attached that this paff. Further, I attached the html file which has been knited into the Ims with my written paff.

I surely upload my html and Rmd files after solving my technical issue. I definetly try to send that as soon as possible.

Thank 204! W.H. Shashmi Kanshalya, Title: Covid-19 Pandamic in Guinea. W. H. Shashini Kaushalya - 2017419

** 1. Introduction **

Distributetion details are included in attached html file.

1.1. Location of Guinea.

1.2 Climate condition of Guinea in attached in the file.

1.3 Lock-down status of Guinea -1.4 Action taken by the government of Guinea.

Align = "sustify" > Quines is a country that imposting some
 rules for their public. They informed to some of prevention action from this comma virus. And they gardidence to protect for the people of their country. Further, they are imposed few lockdown conditions in their country. Now, they vaccinated their people to improve the imunity of system of their public.

In addition to that, they have giren so many rules and regulation for the workplaces in their country.

code for getting location.

map-guines \leftarrow leaflet() \lor . add \sqcap tel() \lor . \gt \lor .

SetuleD (lng = -9.6966, lat = 9.9456,

2000 = 16) \lor . \gt \lor .

addMarkers(lng = -9.6966, lat = 9.9456)

map-guines

ProMate

```
Packages.
        ( sta 3262)
  library
       ( Holy rerse )
  library
        (maggritter)
  library
       (comparing)
  hbrzny
        ( ggblotz )
  11 ptzry
  library (leaflet)
aetting rountry dataset
 "2", echo = PALSE
  get-individual-project_country (" As2017419")
data ( "coronaumes ")
   head (comparmys)
   unique ( comnavirus & country )
   guinea_comma <- commaving 1.>1. filter (country ==
   guinea - corona
  summary (guina comna)
 Convert to a fibble
 as. Hibble ( guinea - corona)
 # tremoving the province variable
 guinea.comma <- select (guinea_comma, -c (province))
  m (r, echo = PALSE , eval = FALSE )
   # Identifying missing values in type of recovered.
   tail (guinea_corona1, 46)
                                                      ProMate
```

```
" {r, echo = PALIR }
  # omitting missing values
  guinea - comna - wider <- gumen - comna 1.5%.
   pluot_wider ( names_from = type, value_from = cases) 1.>1.
  gunea coma wider
" {r, echo = PALSB}
  # converting the long format
  gumen - comons_nees (-) guinen - comons_wider 1.>1.
m proot-longer ($17) names_to = "type", valves_to = "cases")
 guiner arong Deto
 " {r, echo = PALSB comment = NA}
 head (gumen-commanew)
 summary ( guinea - commannew )
 glimpse (gumen_comma_nen)
 ## XX 2.1 Visualization of COVID-19
                                  Cases in Guines # 7
 Visualization of covid-19 confirmed, death recovered cases in
 gumen,
 " 1 r, echo = PALSE]
 PI <- gaplot ( guinea, corona, new, ges (date, cases)) +
    Seom-line (color = "blue") it
           facet-wrap (. Ntype)
 in 2r, echo = PALSE}
 P2 <- ggplot (guinea-comna-new, aes (cases, type)) +
           geom_sitter ()
```

```
considering the active cases.
" {r, echo- = FALSE}
active -cases- guinea 2- guinea-corona wider 4x%
   multitle (total_active = cumsum (confirmed) - cumsum (recovered)
                                     - cumsum (death))
     <- 39 plot (active_assos_guines, aes (date, total-active)) +
           geom_line ( color = " gedn' )
P3
## & comparison with other countries **
Here, this analysis are considered the neighbour countries
of alimeg. This try to show how the other countries
 vary with coronaums cases. Mainly, we consider mato
four countries, such as Mall, Liberra, Sterra Leone, senegal.
m {r, echo = PALSE}
guines_corona == coronavirus 1.5% Alter (country = "Guinea")
confirmed_cases_gumea <- gumea_corona 1,>1. filter (type =
                                     " (confirmed ")
mali-corona 2- cononquirus 1, >/. filter (country = "Mali")
confirmed - cases-guin mall <- : FOR 11- corona J. 7%. Atter (
                                  type = " confirmed")
liberta - corona e- coronavirus 11.5%. Alter (country = "Liberta")
confirmed
Herria-cases_liberta <- liberia_comna x>Y. fitter (
                            type = " confirmed ")
Sengal corona - commentus Y. Y. fitter (country 2 " confirmed")
confirmed_cases_sengal <- sengal_comme x>% Alter (type=
                                                 "confirmed ")
```

ProMate

```
sierra-Leone-corona 2- coronquines 1.>1. Aitter (country =
                                                   " confirmed ")
   confirmed - sierra - Leone con sierra Leone corona 1,5%. filter (type =
                                                      " confirmed ")
   neighbor-confirmed-cases L- rbInd (confirmed-cases-guinen,
       confirmed-cases-mall, confirmed-cases_liberta confirmed-cases_songal,
       confirmed_cases_ sierra_Leone)
   g1 <- gaplot (neisbhour confirmed cases, ges (x = date,
                y = cases, col = country)) + geom_kne () +
                90 the (" confined coses in Guntea's neighbour
                countries)
   Syplotly (91)
  m { r, echo = PALSE}
   92 <- ggplot (neishbour confirmed cases ares (x = country,

H= cases)) + geom-col() + gg+He(" confirmed
            cases of Guinea's neishbours by column char)
   99plotly (92)
* After that, I can get death cases of neishbour countries
   of guinea using above the codes. Here, we edit
  above codes to visualize that plobs. From that plobs,
  we can interprete how the cours-19 cases (death / recovered)
  change between their guinea and other countries.
                                                            ProMate
```

* After getting all plots and tables, me can conclude my analysis in condumon part. Then, I can discus about my analysis in the discussion part my limitations, interpretations and conclusion as well as Then I and include my reference part. plane as a coldator for I see that you was ? when above the cases, then we am