## ANA515Assignment2

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## Section 1: Description of the data.

text\_tbl #prints the table

## 2 PEOPLE\_POSITIVE\_NEW\_CASES\_COUNT

##

## 1

## 3

##

This data set contains the data a global time series of case and death data for COVID-19. It is sourced from JHU CSSE COVID-19 Data as well as The New York Times. From this data, we will look the trend of death and test-positive and also the comparation by state in US. This is data is excel csv file.

```
##Section 2: Reading the data into R.
data <- read.csv("COVID-19 Activity.csv")</pre>
##Section 3: Clean the data.
library(dplyr)
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
##
##
       intersect, setdiff, setequal, union
smallerdata <- data %>%
select(PEOPLE_POSITIVE_CASES_COUNT, CONTINENT_NAME, PROVINCE_STATE_NAME, REPORT_DATE, PEOPLE_DEATH_NEW_
filter(CONTINENT_NAME=='America') %>%
rename("COUNTRY NAME"="CONTINENT NAME")%>%
filter(REPORT_DATE>= ('2022-01-01'))
##Section 4: Characteristics of the data.
This dataframe has 397817 rows and 7 columns. The names of the columns and a brief description of each
are in the table below:
#this makes a new data.frame called text_tbl with two columns, Names and Description
text tbl <- data.frame(</pre>
Names = c("PROVINCE_STATE_NAME", "PEOPLE_POSITIVE_NEW_CASES_COUNT", "PEOPLE_DEATH_NEW_COUNT"),
Description = c("State name for the data", "Number of people were tested positive each day", "Number of
```

Description

Names

PROVINCE\_STATE\_NAME

PEOPLE\_DEATH\_NEW\_COUNT

```
## 1
                           State name for the data
## 2 Number of people were tested positive each day
                   Number of people death each day
\#\#Section 5: Summary statistics.
data_pick3 <- select(smallerdata, PROVINCE_STATE_NAME, PEOPLE_DEATH_NEW_COUNT, PEOPLE_POSITIVE_NEW_CASE
Summarytable<-summary(data_pick3) #creates the summary</pre>
Summarytable #prints the summary in your output
## PROVINCE_STATE_NAME PEOPLE_DEATH_NEW_COUNT PEOPLE_POSITIVE_NEW_CASES_COUNT
## Length:397817
                      Min. :-1330.00
                                             Min. :-370251.0
## Class :character
                      1st Qu.:
                                             1st Qu.:
                                 0.00
                                             Median :
## Mode :character
                       Median :
                                  0.00
                                                          1.0
##
                       Mean :
                                  0.78
                                             Mean : 121.8
##
                       3rd Qu.:
                                  0.00
                                             3rd Qu.:
                                                        17.0
##
                       Max. :11447.00
                                             Max. : 287149.0
```