Question 15-16

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CovidData\$date<-ymd(CovidData\$date)</pre>

Deleting the "Total" values from the data frame.

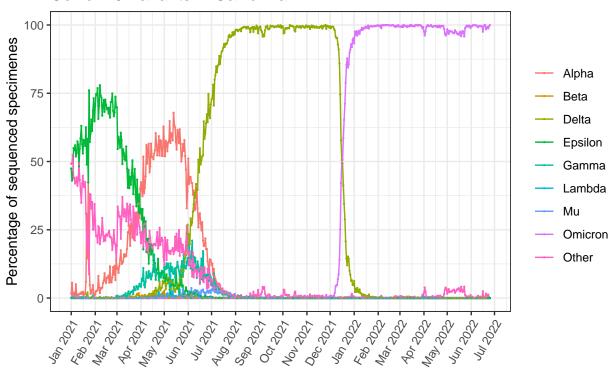
```
PID: A59010594
First, uploading the packages that we will need for this.
library(ggplot2)
library(lubridate)
## Attaching package: 'lubridate'
## The following objects are masked from 'package:base':
##
       date, intersect, setdiff, union
##
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
##
       intersect, setdiff, setequal, union
##
Then, reading the information I downloaded from the website onto R.
CovidData<-read.csv("covid19.csv")</pre>
Using the lubridate package to transform the date column into the right format.
```

```
CovidData1<- CovidData[CovidData$variant_name !="Total", ]</pre>
```

Plotting the data.

(And spending more time than I want to admit making it look exactly like the exam page one)

Covid-19 Variants in California



Data source: https://www.cdph.ca.gov