Zeppelin

graph8

default

FINISHED

```
%r
library(readr)
library(dplyr)
setwd("/Users/neha/Documents/Capstone/pollution")
temp = list.files(pattern="*.csv")
tbl = lapply(temp, read_csv) %>% bind_rows()
```

Took 18 sec. Last updated by anonymous at April 16 2017, 8:00:04 PM.

FINISHED

```
%r
library(sqldf)
x = sqldf("select avg(ozone) as avg_ozone, avg(particullate_matter) as particulate, avg(carbo
(nitrogen_dioxide) as nitrogen from tbl group by longitude,latitude")
```

Took 26 sec. Last updated by anonymous at April 16 2017, 8:00:47 PM.

FINISHED

```
%r

library(sqldf)
x1 = sqldf("select longitude, latitude, avg(ozone) as avg_ozone, avg(particullate_matter) as p

res10<-kmeans(x1,10)
res10$centers
```

```
longitude latitude avg_ozone particulate
1   10.18060 56.16472 113.39643   112.05369
2   10.19136 56.17027 111.66103   101.96219
3   10.18011 56.16556 108.15452    89.29592
4   10.16909 56.15161 127.13943    98.36107
5   10.18315 56.17630 124.74221   111.13946
6   10.15148 56.16214  95.15981   103.42614
7   10.18615 56.16133 115.03564   124.87021
8   10.17007 56.16273  86.68166   124.41534
9   10.17999 56.17985 138.40435   119.69317
10  10.17154 56.16510 103.08805   117.80432
```

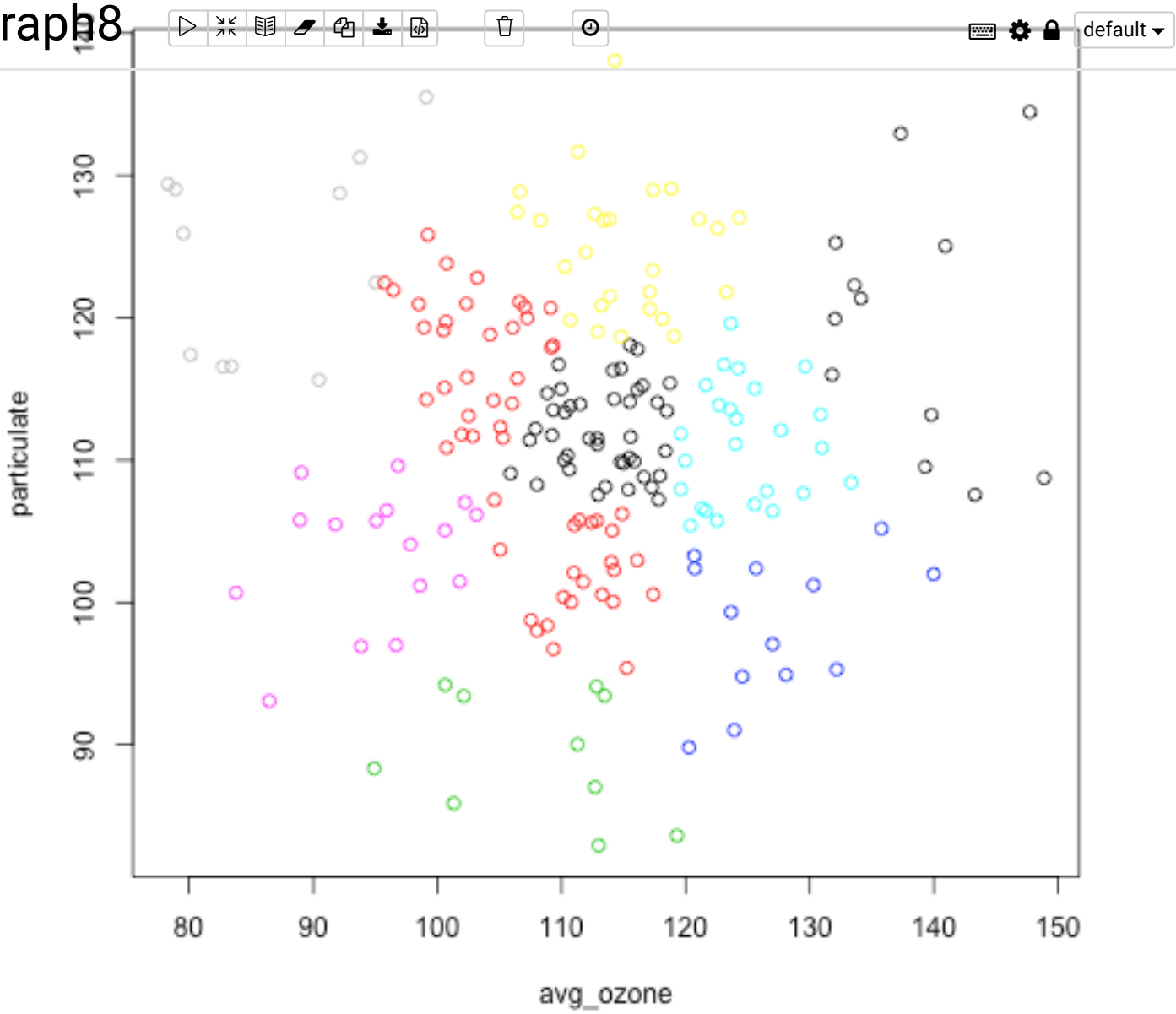
Took 25 sec. Last updated by anonymous at April 16 2017, 8:02:04 PM.

FINISHED

```
%r
plot(x1[c("avg_ozone","particulate")], col = res10$cluster )
```

Zeppelin

graph8



Took 1 sec. Last updated by anonymous at April 16 2017, 8:02:51 PM.

READY