Santa Cruz County

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10/1/2020

R Markdown

Collect data...

(https://www.epa.gov/outdoor-air-quality-data/download-daily-data)

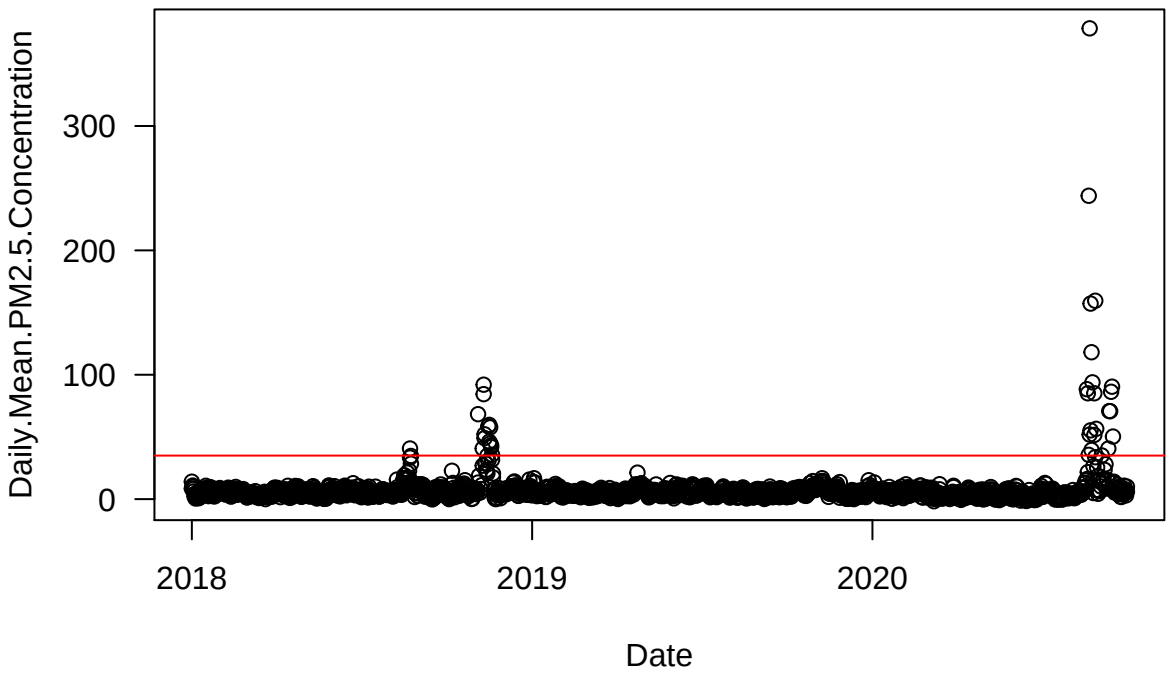
Read Data

```
SCZ2020.csv <- "/home/CAMPUS/mwl04747/github/EJnPi/Air_Quality_Data_Analysis/ad_viz_plotval_data2020.csv
SCZ2019.csv <- "/home/CAMPUS/mwl04747/github/EJnPi/Air_Quality_Data_Analysis/ad_viz_plotval_data2019.csv
SCZ2018.csv <- "/home/CAMPUS/mwl04747/github/EJnPi/Air_Quality_Data_Analysis/ad_viz_plotval_data2018.csv

SCZ2019 = read.csv(SCZ2019.csv); SCZ2020 = read.csv(SCZ2020.csv)
SCZ2018 = read.csv(SCZ2018.csv)
str(SCZ2020)[1:10]
SCZ=rbind(SCZ2018, SCZ2019, SCZ2020)

## Fix dates
Date.char = as.character(SCZ$Date)
# testing to make sure this owrks...
# as.Date(Date.char, format="%m/%d/%Y")
SCZ$Date = as.Date(Date.char, format="%m/%d/%Y")

str(SCZ)
names(SCZ)
```

Graphic Analysis

I have two stations together, might need to decide which one to focus on!

```
par(las=1)
plot(Daily.Mean.PM2.5.Concentration~Date, data=SCZ)
abline(h=35, col='red')
```


Daily.Mean.PM2.5.Concentration
300
200
100
0
2018
2019
2020
Date