

Question 2

2023-06-15

```
suppressMessages(library(tidyverse))
source("/Users/sahilbhugwan/Downloads/Data science/21075492/Q2/code/Q2.R")

## Rows: 15341 Columns: 10
## -- Column specification -----
## Delimiter: ","
## dbl (10): date, cloud_cover, sunshine, global_radiation, max_temp, mean_temp...
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
## Rows: 1707 Columns: 34
## -- Column specification -----
## Delimiter: ","
## chr (17): STATION, DATE, NAME, CDSO_ATTRIBUTES, CLDD_ATTRIBUTES, DT00_ATTRIB...
## dbl (17): LATITUDE, LONGITUDE, ELEVATION, CDSO, CLDD, DT00, DT32, DX32, DX70...
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.

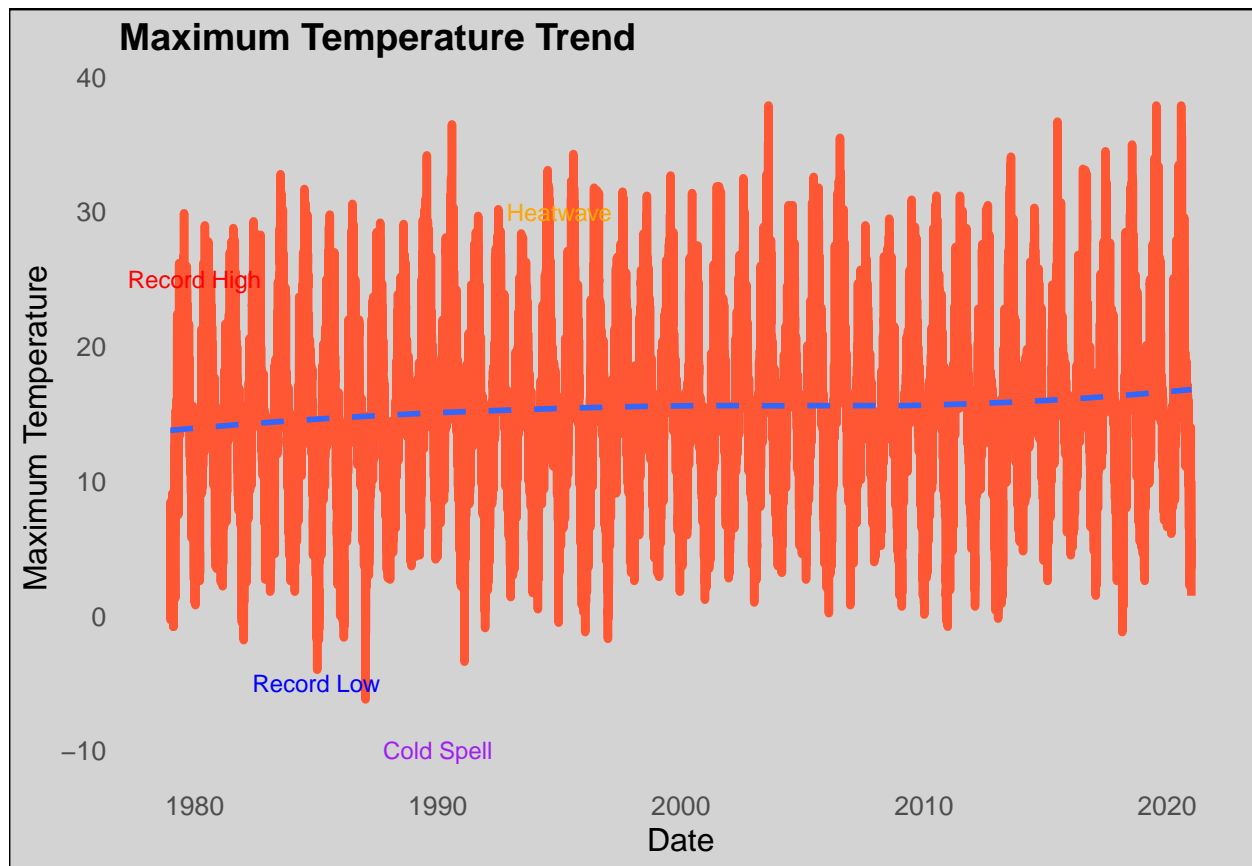
## Warning: Using 'size' aesthetic for lines was deprecated in ggplot2 3.4.0.
## i Please use 'linewidth' instead.
## This warning is displayed once every 8 hours.
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was
## generated.
```

London Weather is just truly awful if you compare it to the absolutely crisp weather in Cape Town
the following is to show the Max Temperature trend

```
print(MT)

## 'geom_smooth()' using formula = 'y ~ x'

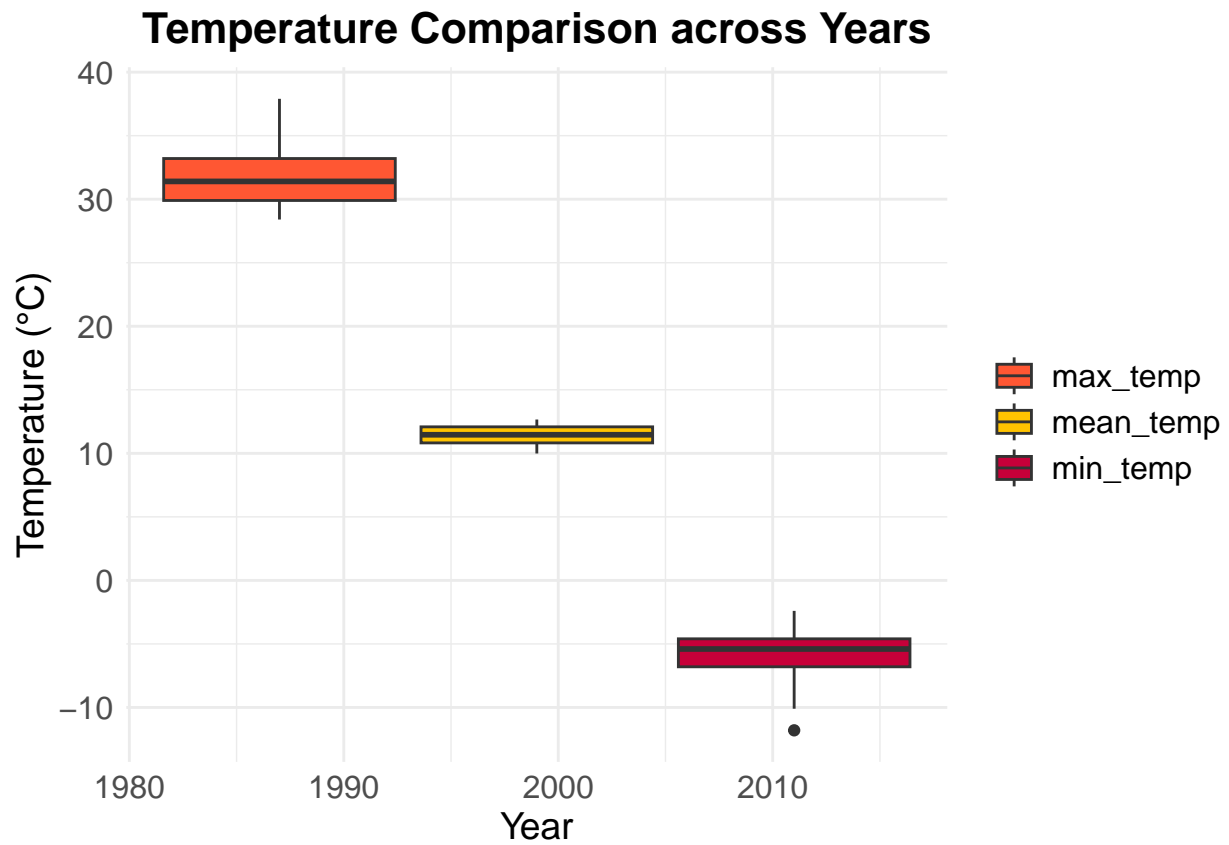
## Warning: Removed 6 rows containing non-finite values ('stat_smooth()').
```



Box plot

```
Box_plot_year(London)
```

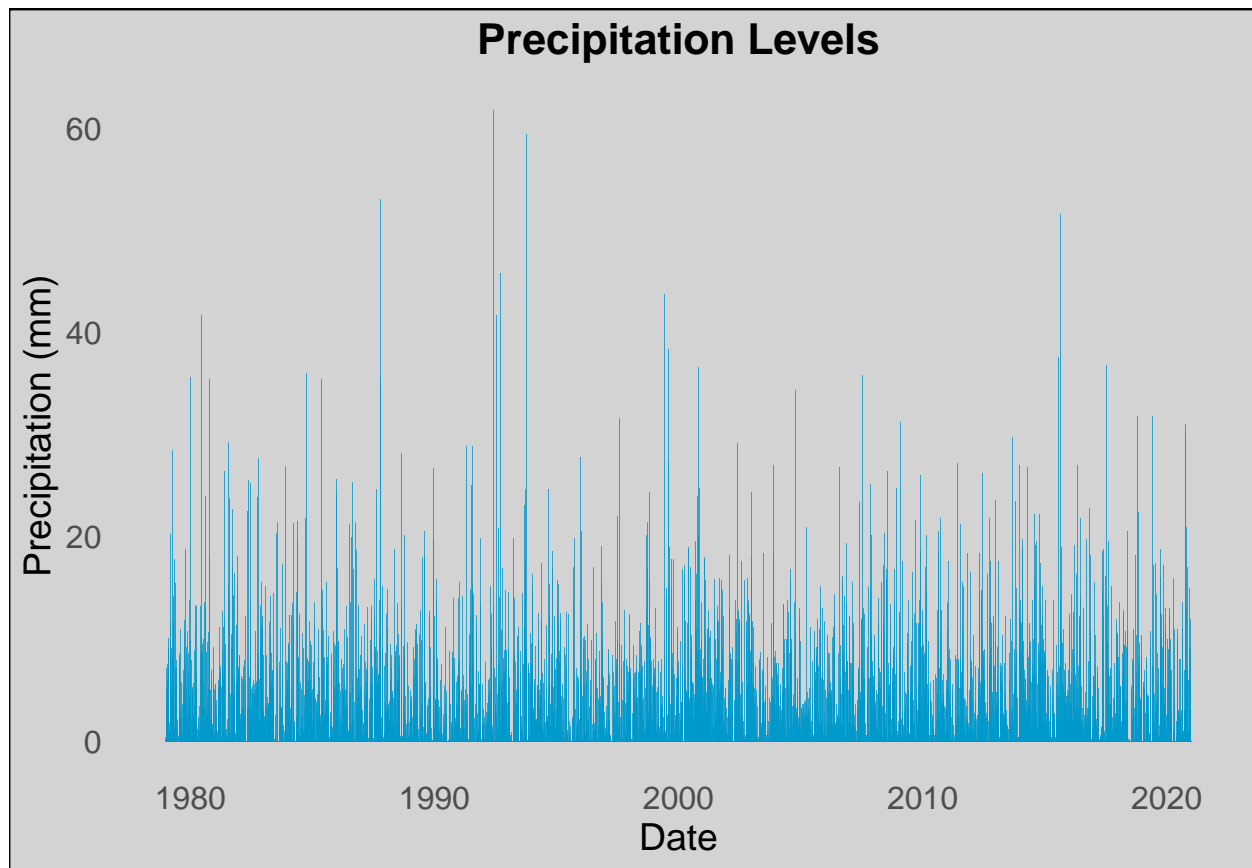
```
## Warning: Removed 8 rows containing non-finite values ('stat_boxplot()').
```



next i will be looking at the Precipitation level

```
print(PL)
```

```
## Warning: Removed 6 rows containing missing values ('position_stack()').
```



```
print(Temp)
```

```
## Warning: Removed 38 rows containing missing values ('geom_point()').
```

