Lab 9

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```
library(tidyverse)
library(forcats)
library(lubridate)
yvr <- read csv("weatherYVR.csv")</pre>
## # A tibble: 365 x 20
                                 Day `Data Quality` `Max Temp` `Max Temp Flag`
##
      `Date/Time`
                   Year Month
                   <dbl> <dbl> <dbl> <lgl>
##
      <chr>
                                                           <dbl> <lgl>
##
    1 03-01-01
                    2003
                             1
                                    1 NA
                                                             6.8 NA
    2 03-01-02
                    2003
##
                                    2 NA
                                                            11.7 NA
                             1
##
    3 03-01-03
                    2003
                             1
                                    3 NA
                                                            11.3 NA
                    2003
                                    4 NA
                                                            13
##
    4 03-01-04
                             1
                                                                 NA
    5 03-01-05
                    2003
                             1
                                    5 NA
                                                            10.8 NA
##
    6 03-01-06
                    2003
                             1
                                    6 NA
                                                             9.9 NA
    7 03-01-07
                    2003
                                    7 NA
                                                            10.9 NA
##
##
                    2003
                                    8 NA
    8 03-01-08
                             1
                                                             7.7 NA
    9 03-01-09
                    2003
                                    9 NA
                                                             7.7 NA
## 10 03-01-10
                    2003
                             1
                                   10 NA
                                                             5.8 NA
## # ... with 355 more rows, and 13 more variables: `Min Temp` <dbl>, `Min Temp
       Flag` <lgl>, `Mean Temp` <dbl>, `Mean Temp Flag` <lgl>, `Heat Deg
       Days` <dbl>, `Heat Deg Days Flag` <lgl>, `Cool Deg Days` <dbl>, `Cool Deg
## #
       Days Flag` <lgl>, `Total Rain (mm)` <dbl>, `Total Rain Flag` <lgl>, `Total
## #
       Snow (cm) ' <dbl>, 'Total Snow Flag' <lgl>, 'Total Precip (mm)' <dbl>
```

In the above code chunk you read in daily weather data from YVR in 2003.

- 1. Coerce the Date/Time variable to a date object and rename it Date.
- 2. Make a time series plot (with lines) of the daily maximum temperature by day.
- 3. Change the Month variable from numeric to a factor. (Hint: The month() function with the label=TRUE will extract the months from a date-time object.)
- 4. Plot the average maximum temperature *versus* month. Then, redo this plot with months ordered by average maximum.