Zeppelin Notebook

Assignment8

anonymous default

```
# Set working directory
setwd("/Users/Rhon/Desktop/CapstonePC/Weather_Data")
```

ERROR

```
<console>:1: error: illegal start of definition
# Set working directory
^
```

```
%r
# Get the data
weather = read.csv("/Users/Rhon/Desktop/CapstonePC/Weather_Data/combinedata1.csv", header=
```

FINISHED

```
%r
str(weather)                #Structure of an object
class(weather)              #Vlass or type of an object
length(weather)             #Find how many vectors in the data set
head(names(weather))        #Names of the columns
dim(weather)                #Find the dimension of our data
```

FINISHED

```
'data.frame':   12563 obs. of  11 variables:
 $ DATE.TIME      : Factor w/ 12563 levels " 2014-02-13T00:00:00",..: 1 2 3 4 5 6 7 8 9 1
0 …
 $ Date           : Factor w/ 177 levels " 2014-02-13",..: 1 1 1 1 1 1 1 1 1 1 …
 $ time           : Factor w/ 77 levels "0:00:00","0:20:00",..: 1 2 3 4 5 6 39 40 41 54 …
 $ tmpm_celsius   : int  4 4 4 4 4 4 3 3 3 3 …
 $ tmpm_Fahrenheit: num  39.2 39.2 39.2 39.2 39.2 39.2 37.4 37.4 37.4 37.4 …
 $ Dewptm         : int  0 0 0 0 0 0 0 1 1 1 …
 $ hum            : int  66 75 75 65 75 75 73 87 87 84 …
 $ Pressurem      : int  995 994 993 994 993 993 993 992 991 992 …
 $ wdir           : int  160 160 160 160 170 170 160 160 160 150 …
 $ wspdm          : num  18.5 20.4 22.2 24.1 22.2 22.2 22.2 18.5 20.4 20.4 …
 $ vism           : num  29 10 10 30 10 10 7 10 10 8 …
[1] "data.frame"
[1] 11
[1] "DATE.TIME"       "Date"            "time"            "tmpm_celsius"<br />
[5] "tmpm_Fahrenheit" "Dewptm"<br />
[1] 12563    11
```

FINISHED

```
%r
##Find the Warmest day

Warmest.day <- max(weather$tmpm_Fahrenheit)
Warmest.day
```

```
[1] 80.6
```

FINISHED

```
%r
##Find the coldest day

coldest.day <- min(weather$tmpm_Fahrenheit)
coldest.day
```

```
[1] 26.6
```

FINISHED

```
%r

number <- dim((weather$tmpm_Fahrenheit) )
```

FINISHED

```
%r
# Add classification to Y
library(ISLR)
attach(weather)
result1=(weather$tmpm_Fahrenheit)
Yresults=ifelse(result1>=65,"warm","cold")
```

FINISHED

```
%r

# Add to the table the result of Yresults, if cold or warm

data1=data.frame(weather, Yresults)

data1
```

452	2014-02-19T10:00:00	2014-02-19 10:00:00	6
453	2014-02-19T10:20:00	2014-02-19 10:20:00	6
454	2014-02-19T10:50:00	2014-02-19 10:50:00	6
455	2014-02-19T11:00:00	2014-02-19 11:00:00	6
456	2014-02-19T11:20:00	2014-02-19 11:20:00	6
457	2014-02-19T11:50:00	2014-02-19 11:50:00	6
458	2014-02-19T12:00:00	2014-02-19 12:00:00	6
459	2014-02-19T12:20:00	2014-02-19 12:20:00	7
460	2014-02-19T12:50:00	2014-02-19 12:50:00	7
461	2014-02-19T13:00:00	2014-02-19 13:00:00	7
462	2014-02-19T13:20:00	2014-02-19 13:20:00	7
463	2014-02-19T13:50:00	2014-02-19 13:50:00	8
464	2014-02-19T14:00:00	2014-02-19 14:00:00	8
465	2014-02-19T14:20:00	2014-02-19 14:20:00	8
466	2014-02-19T14:50:00	2014-02-19 14:50:00	8
467	2014-02-19T15:00:00	2014-02-19 15:00:00	8
468	2014-02-19T15:20:00	2014-02-19 15:20:00	8
469	2014-02-19T15:50:00	2014-02-19 15:50:00	8

FINISHED

```
%r

# Split data into testing and training
set.seed(1)
train=sample(1: nrow(data1), nrow(data1)/2)
test=-train

training_data=data1[train,]
testing_data=data1[test,]
testing_Yresults=Yresults[test]
```

```
Error in (function (classes, fdef, mtable) : unable to find an inherited method
for function 'sample' for signature '"integer", "numeric", "missing"'
```

```
Error in eval(expr, envir, enclos): object 'train' not found
```

```
Error in `[.data.frame`(data1, train, ): object 'train' not found
```

```
Error in `[.data.frame`(data1, test, ): object 'test' not found
```

```
Error in eval(expr, envir, enclos): object 'test' not found
```

READY