Simple document

Problem 1

Load the moderndive library, and use the following code to load the early_january_weather dataset:

```
library(moderndive)
data("early_january_weather")
```

The following code loads the early_january_weather dataset and includes a description

```
data_set <- data("early_january_weather")
```

Describing the Data Set

```
mean(early_january_weather$temp)
```

```
## [1] 39.58212
```

```
range(early_january_weather$temp)
```

```
## [1] 24.08 57.92
```

```
median(early_january_weather$temp)
```

```
## [1] 39.02
```

```
mean(early_january_weather$temp)
```

```
## [1] 39.58212
```

```
range(early_january_weather$humid)
```

```
## [1]  32.86 100.00
```

```
range(early_january_weather$wind_speed)
```

```
## [1]  0.00000 24.16638
```

This dataset contains 358 observations of 15 variables, including: origin, year, month, day, hour, temperature, dew, humidity, wind direction, wind speed, wind gust,precipitation, pressure, visibility. Values for temperature range from 24.08 to 57.92, the mean of temperature is 39.5821.

```r
typeof(early_january_weather)
```

```
## [1] "list"
```

```r
data_set_vector <- as.matrix(data_set)
nrow(early_january_weather)
```

```
## [1] 358
```

```r
ncol(early_january_weather)
```

```
## [1] 15
```

```r
mean(early_january_weather[["temp"]]) # or
```

```
## [1] 39.58212
```

```r
mean(early_january_weather$temp)
```

```
## [1] 39.58212
```