Glass Dataset Exploration

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```
library(mlbench)
library(dplyr)
library(e1071)
library(ggplot2)
```

Glass Dataset

```
data(Glass)
str(Glass)
## 'data.frame':
                   214 obs. of 10 variables:
  $ RI : num 1.52 1.52 1.52 1.52 1.52 ...
  $ Na : num 13.6 13.9 13.5 13.2 13.3 ...
## $ Mg : num 4.49 3.6 3.55 3.69 3.62 3.61 3.6 3.61 3.58 3.6 ...
## $ Al : num 1.1 1.36 1.54 1.29 1.24 1.62 1.14 1.05 1.37 1.36 ...
## $ Si : num 71.8 72.7 73 72.6 73.1 ...
## $ K : num 0.06 0.48 0.39 0.57 0.55 0.64 0.58 0.57 0.56 0.57 ...
## $ Ca : num 8.75 7.83 7.78 8.22 8.07 8.07 8.17 8.24 8.3 8.4 ...
## $ Ba : num 0 0 0 0 0 0 0 0 0 ...
## $ Fe : num 0 0 0 0 0.26 0 0 0.11 ...
## $ Type: Factor w/ 6 levels "1","2","3","5",..: 1 1 1 1 1 1 1 1 1 1 ...
There are 9 predictors and 1 outcome. Separating the predictor and outcome variables, we get.
glassPredictors <- Glass %>% select(-Type)
glassTypes <- Glass %>% select(Type)
```

Skewness





