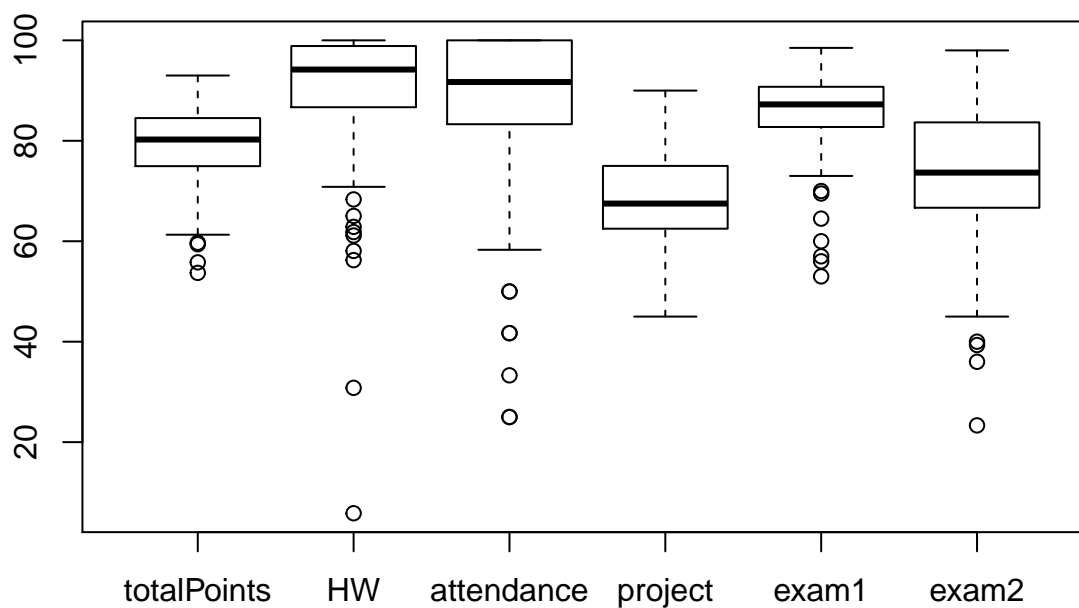


STA220fall2016Grades

- read in the data (df=='grades')
- analyze grades
 - remove observations with missing values for the final (exams for 3 students still being checked and 1 did not take the exam)
 - four students have a penalty of 6.75 points on project for fabricating data. For the analysis add 6.75 points to project grade and final grade.
- convert all score to percents
- The histogram shows the total points for the raw data (all exams and all penalties included)

```
## totalPoints      HW      attendance      project
## Min.   :53.70   Min.    : 5.84   Min.    : 25.00   Min.    :45.00
## 1st Qu.:74.97   1st Qu.: 86.77   1st Qu.: 83.30   1st Qu.:62.50
## Median :80.25   Median : 94.19   Median : 91.70   Median :67.50
## Mean   :79.16   Mean    : 89.76   Mean    : 87.58   Mean    :68.39
## 3rd Qu.:84.49   3rd Qu.: 98.84   3rd Qu.:100.00   3rd Qu.:75.00
## Max.   :93.00   Max.    :100.00   Max.    :100.00   Max.    :90.00
## exam1          exam2
## Min.   :53.00   Min.    :23.33
## 1st Qu.:82.88   1st Qu.:66.67
## Median :87.25   Median :73.67
## Mean   :85.48   Mean    :73.31
## 3rd Qu.:90.62   3rd Qu.:83.50
## Max.   :98.50   Max.    :98.00
```



Histogram of grades_raw\$totalPoints

