Summary of Midterm 1 Exam Scores

Statistics 139 - Fall 2022
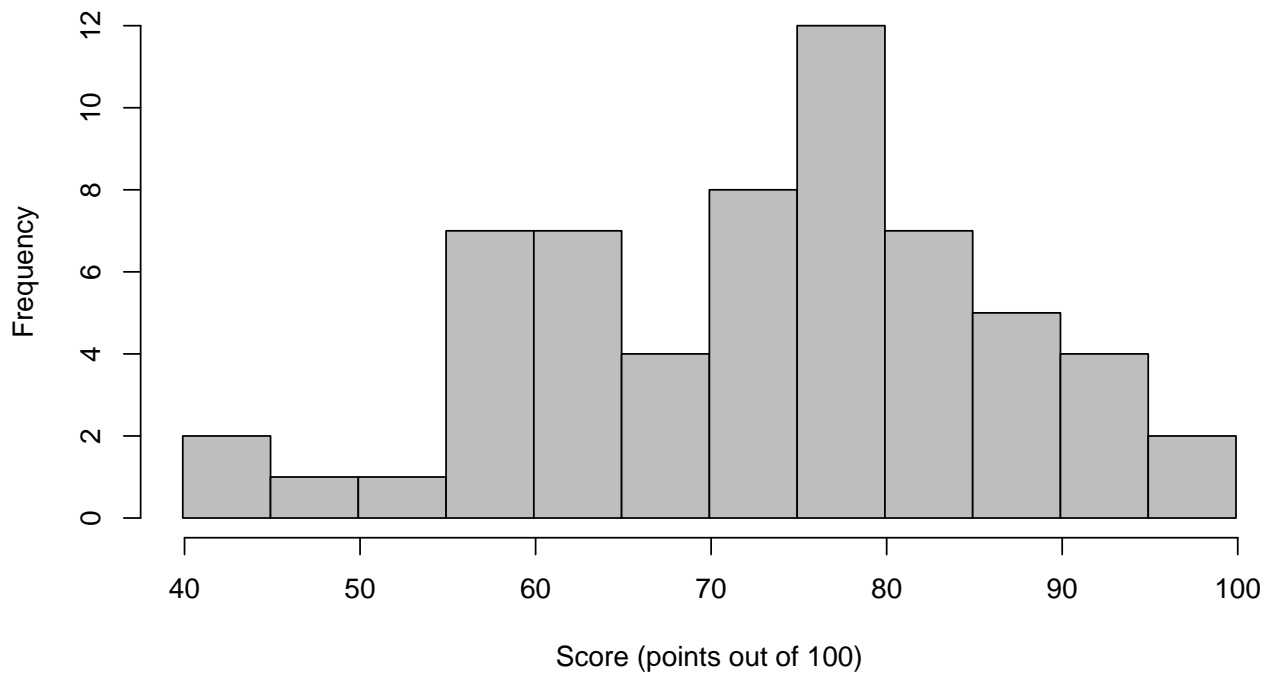
```
#summary statistics
summary(grades$midterm1)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   40.00   63.38   74.50   72.92   82.25   97.00
```

```
sd(grades$midterm1)
```

```
## [1] 12.98375
```

Midterm Exam Scores

```r
#question 1 summary statistics
summary(grades$q1)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    2.00   13.00   17.00   17.43   22.25   30.00
```

```r
summary(grades$q1)/30   #percentage
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
## 0.06667 0.43333 0.56667 0.58111 0.74167 1.00000
```

```r
#question 2 summary statistics
summary(grades$q2)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   14.00   19.75   24.00   23.42   27.00   30.00
```

```r
summary(grades$q2)/30   #percentage
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  0.4667  0.6583  0.8000  0.7806  0.9000  1.0000
```

```r
#question 3 summary statistics
summary(grades$q3)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    9.00   15.00   16.00   15.58   17.00   18.00
```

```r
summary(grades$q3)/18   #percentage
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  0.5000  0.8333  0.8889  0.8657  0.9444  1.0000
```

```r
#question 4 summary statistics
summary(grades$q4)
```
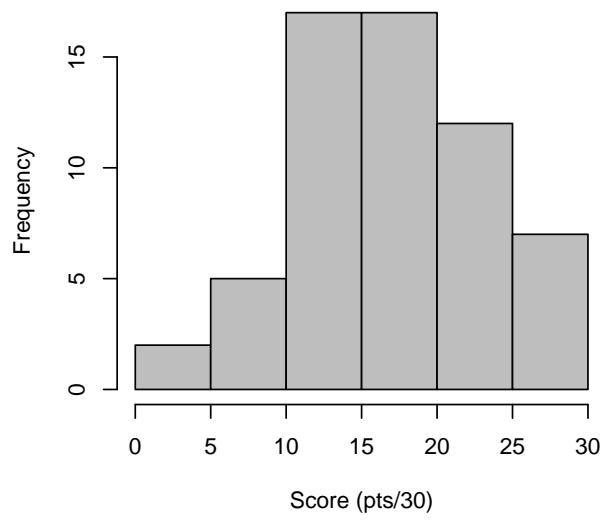
```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    4.00   12.00   18.00   16.48   21.00   22.00
```
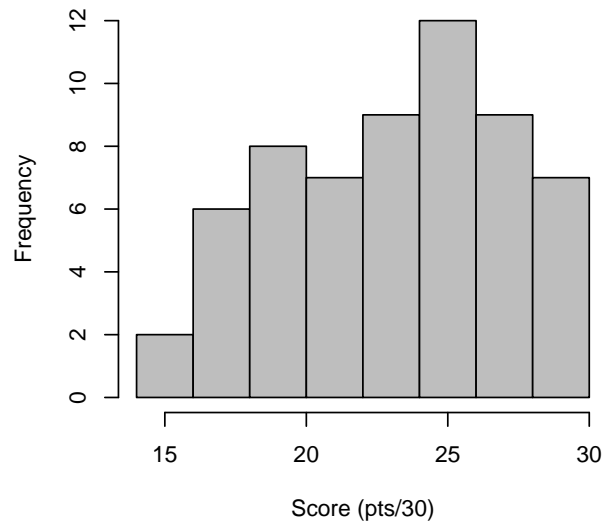
```r
summary(grades$q4)/22   #percentage
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  0.1818  0.5455  0.8182  0.7492  0.9545  1.0000
```
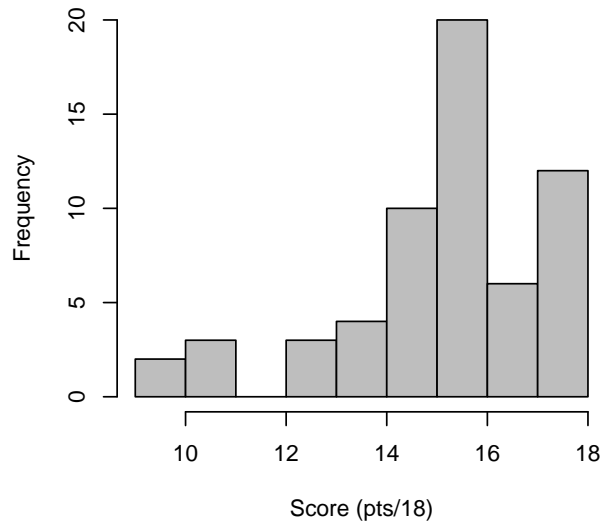
Question 1 Score Distribution

Frequency

Score (pts/30)

Question 2 Score Distribution

Frequency

Score (pts/30)

Question 3 Score Distribution

Frequency

Score (pts/18)

Question 4 Score Distribution

Frequency

Score (pts/22)