

ShanklinH2

Shanklin Homework 3

1)

```
Magazines <- read.csv("~/Documents/STAT-158/Magazines.csv", header=TRUE)
summary(Magazines)
```

```
##      Words      Sentences      X3..Syll      Magazine
## Min.   : 31.0    Min.    : 4.00    Min.    : 0.00    Fortune   : 6
## 1st Qu.: 69.0    1st Qu.: 9.00    1st Qu.: 6.00    Grit      : 6
## Median : 95.5    Median :11.50    Median :11.50    National  : 6
## Mean   :122.6    Mean    :12.43    Mean    :14.52    New Yorker: 6
## 3rd Qu.:201.5    3rd Qu.:16.00    3rd Qu.:21.75    Newsweek  : 6
## Max.   :230.0    Max.    :25.00    Max.    :43.00    People    : 6
##                                     (Other)   :18
##      Ed.Level
## high   :18
## low    :18
## medium:18
##
##
##
##
```

2)

```
head(Magazines)
```

```
##   Words Sentences X3..Syll      Magazine Ed.Level
## 1   205         9      34 Scientific American   high
## 2   203        20      21 Scientific American   high
## 3   229        18      37 Scientific American   high
## 4   208        16      31 Scientific American   high
## 5   146         9      10 Scientific American   high
## 6   230        16      24 Scientific American   high
```

Shows 6 rows.

3)

R probably doesn't know how to parse the + symbol in the csv file.

4)

```
Magazines[10,]
```

```
##      Words Sentences X3..Syll Magazine Ed.Level
## 10      80          13          18 Fortune      high
```

```
Magazines[15,]
```

```
##      Words Sentences X3..Syll Magazine Ed.Level
## 15      46           6           6 New Yorker    high
```

5)

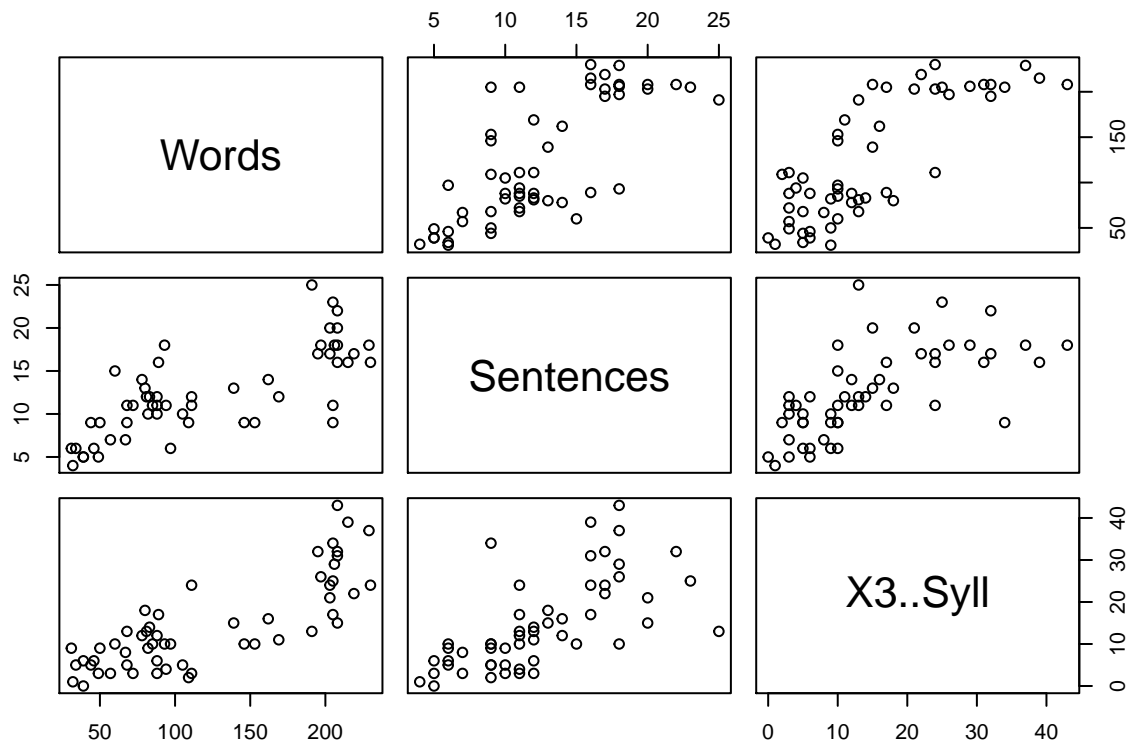
```
attach(Magazines)
sum((Magazines$Words > 203))
```

```
## [1] 12
```

6)

```
Just_Numbers <- Magazines[,1:3]
```

```
pairs(Just_Numbers)
```



7)

```
Just_Numbers[with(Just_Numbers, order(-Just_Numbers$Sentences)),]
```

```
##      Words Sentences X3..Syll
## 19      191          25        13
## 21      205          23        25
```

## 11	208	22	32
## 2	203	20	21
## 54	208	20	15
## 3	229	18	37
## 14	93	18	10
## 29	206	18	29
## 30	197	18	26
## 49	208	18	43
## 20	219	17	22
## 33	203	17	24
## 52	195	17	32
## 4	208	16	31
## 6	230	16	24
## 7	215	16	39
## 12	89	16	17
## 42	60	15	10
## 37	162	14	16
## 45	78	14	12
## 10	80	13	18
## 34	139	13	15
## 18	88	12	6
## 40	111	12	3
## 44	169	12	11
## 50	81	12	13
## 51	83	12	14
## 9	205	11	17
## 28	94	11	4
## 35	72	11	3
## 39	85	11	10
## 41	88	11	12
## 46	68	11	13
## 53	111	11	24
## 23	105	10	5
## 25	82	10	9
## 26	88	10	3
## 1	205	9	34
## 5	146	9	10
## 8	153	9	10
## 24	109	9	2
## 31	68	9	5
## 32	44	9	5
## 48	50	9	9
## 22	57	7	3
## 36	67	7	8
## 15	46	6	6
## 16	34	6	5
## 38	31	6	9
## 43	97	6	10
## 13	49	5	3
## 17	39	5	6
## 27	39	5	0
## 47	32	4	1

8)

9)