CptS575 Hw2

Mengxiao

Hello world

Part 1

a. Read the data into R

```
data = read.csv('https://scads.eecs.wsu.edu/wp-content/uploads/2017/09/College.csv')
```

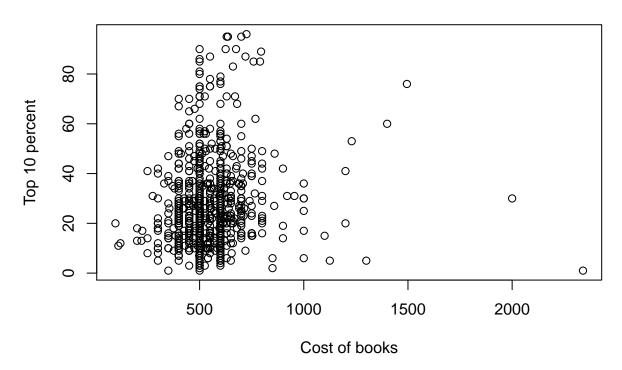
b. Find the median cost of books

```
books_median = median(data['Books'][, 1])
books_median
## [1] 500
```

c. Produce a scatter plot to show the relationship between the cost of books and Top $10\ \mathrm{percent}$ students.

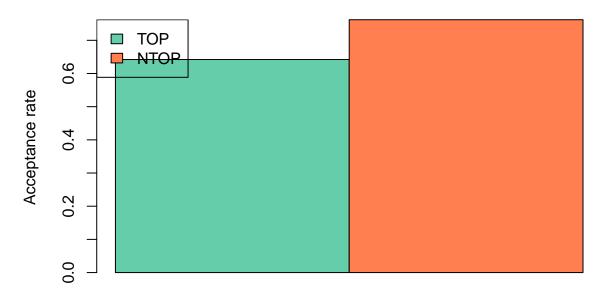
```
plot(x = data$Books,
    y = data$Top10perc,
    xlab = "Cost of books",
    ylab = "Top 10 percent",
    main = "Relationship between cost of books and top 10 percent"
)
```

Relationship between cost of books and top 10 percent



- d. Produce a histogram showing the overall enrollment numbers for both public and private schools.
- e. Seperate the schools to two parts, top and ntop(not top)

The Acceptance rate of top and not top schools



School