Case Study I

```
bobaData <- read.csv(file.choose(),header=T)
```

Question 1

```
groupMembers <- c("Perla Molina","Mariah Diaz","Aqsa Noreen","Jingheng Zhu",
                  "Jared Chu","Ailin Wu")
groupMembers
```

```
## [1] "Perla Molina" "Mariah Diaz"  "Aqsa Noreen"  "Jingheng Zhu" "Jared Chu"
## [6] "Ailin Wu"
```

Question 2

```
length(unique(bobaData$name))
```

```
## [1] 439
```

```
twoBrands <- c("T4","i-Tea")
twoBrandsRating <- c(4,4.5)
```

There are 439 boba brands in this data set.

Question 3

```
T4Rating <- subset(bobaData, bobaData$name == "T4")
T4Rating <- mean(T4Rating$rating)
T4Rating
```

```
## [1] 3.5
```

```
iTeaRating <- subset(bobaData,bobaData$name == "i-Tea")
iTeaRating <- mean(iTeaRating$rating)
iTeaRating
```

```
## [1] 4.0625
```

```
yelpRating <- c(T4Rating,iTeaRating)

twoBrandsRating > yelpRating
```

```
## [1] TRUE TRUE
```

Both of my group's ratings are greater than the Yelp ratings.

Question 4

```
sum(bobaData$rating >= 4.5)
```

```
## [1] 95
```

There are 95 boba shops with ratings greater than or equal to 4.5.

Question 5

```
fremontRating <- subset(bobaData,bobaData$rating >= 4.5)
sum(fremontRating$city == "Fremont")
```

```
## [1] 6
```

There are 6 boba shops with ratings greater than or equal to 4.5 and located in Fremont.

Question 6

```
sum(bobaData$rating == 5)
```

```
## [1] 9
```

```
fiveRatingNames <- subset(bobaData,bobaData$rating == 5)
fiveRatingNames$name
```

```
## [1] "Puppy Bobar"                      "QTeaBar"
## [3] "Bobateani"                        "Taza Deli & Cafe"
## [5] "Mr. Green Bubble"                 "i-Tea"
## [7] "Waterfront Cafe"                  "Golden Bakery"
## [9] "Honey Bear Smoothie Tea & Dessert"
```

There are 9 boba shops with ratings equal to 5. The boba shops with these ratings are:

- Puppy Bobar
- QTeaBar
- Bobateani
- Taza Deli & Cafe
- Mr. Green Bubble
- i-Tea
- Waterfront Cafe
- Golden Bakery
- Honey Bear Smoothie Tea & Dessert

Question 7

```
lemonAddress <-subset(bobaData$address,
                      bobaData$name == "Happy Lemon Berkeley")
lemonAddress
```

```
## [1] "2106 Shattuck Ave"
```

The address of the boba shop “Happy Lemon Berkeley” in Berkeley is: 2106 Shattuck Ave.

Question 8

```
lowestRating <- min(bobaData$rating)
lowestRating
```

```
## [1] 2
```

```
lowestNames <- subset(bobaData,bobaData$rating == lowestRating)
lowestNames$name
```

```
## [1] "Panda Express"         "Quickly - Kobe Bento"  "Loving Tea"
## [4] "China Kitchen Express"
```

The lowest Yelp rating for boba shops is 2. The boba shops with lowest ratings are:

- Panda Express
- Quickly - Kobe Bento
- Loving Tea
- China Kitchen Express