

Group Assignment #1

Name(s): _____

Q1

- Load the internal R dataset “faithful”
 - `library(datasets)`
- View the dataset in the source window
 - `view(faithful)`
- Print only the ‘waiting’ variable and all associated rows to the console: *Recall:* In order to subset a dataset you can use the \$ sign...for example: `y$x`
- *Answer:* How many observations does the ‘waiting’ variable contain (Hint: number of rows)?
 - `length(...)`

Q2

- Load the internal R dataset “ipod”
 - `library(openintro)`
- View the dataset in the source window
 - `view(ipod)`
- *Answer:* What type of variable is ‘songLength’?
 - `str(...)`

Q3

- Run the following code to assign two data vectors, beers and pizza

```
beers <- c(4, 2, 3, 5, 9)
pizza <- c(2, 3, 2, 1, 8)
```

- Create a new vector ‘bp’ and assign it the values of multiplying the beers and pizza vectors and then dividing the result by 2
- *Answer:* What result of the mathematical operation above is the lowest? (The actual number calculated)

Q4

- Run the following code to assign the data vector, z

```
z <- c(4, 5, 9, 8, 2, 9)
```

- Extract the second through the fourth elements of the vector and assign it the name ‘y’