

STAT 630: Homework_1

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2. <https://github.com/BandariShiva>

3.

```
library(openintro)
```

```
## Loading required package: airports
```

```
## Loading required package: cherryblossom
```

```
## Loading required package: usdata
```

```
data(babies)
head(babies)
```

```
## # A tibble: 6 x 8
##   case  bwt gestation parity  age height weight smoke
##   <int> <int>      <int>  <int> <int>  <int>  <int> <int>
## 1     1   120      284      0    27    62   100     0
## 2     2   113      282      0    33    64   135     0
## 3     3   128      279      0    28    64   115     1
## 4     4   123       NA      0    36    69   190     0
## 5     5   108      282      0    23    67   125     1
## 6     6   136      286      0    25    62    93     0
```

```
summary(babies)
```

```
##           case           bwt           gestation           parity
##  Min.   : 1.0   Min.   : 55.0   Min.   :148.0   Min.   :0.0000
## 1st Qu.:309.8   1st Qu.:108.8   1st Qu.:272.0   1st Qu.:0.0000
##  Median :618.5   Median :120.0   Median :280.0   Median :0.0000
##  Mean   :618.5   Mean   :119.6   Mean   :279.3   Mean   :0.2549
## 3rd Qu.:927.2   3rd Qu.:131.0   3rd Qu.:288.0   3rd Qu.:1.0000
##  Max.   :1236.0   Max.   :176.0   Max.   :353.0   Max.   :1.0000
##                                     NA's   :13
##           age           height           weight           smoke
##  Min.   :15.00   Min.   :53.00   Min.   : 87.0   Min.   :0.0000
## 1st Qu.:23.00   1st Qu.:62.00   1st Qu.:114.8   1st Qu.:0.0000
##  Median :26.00   Median :64.00   Median :125.0   Median :0.0000
##  Mean   :27.26   Mean   :64.05   Mean   :128.6   Mean   :0.3948
## 3rd Qu.:31.00   3rd Qu.:66.00   3rd Qu.:139.0   3rd Qu.:1.0000
##  Max.   :45.00   Max.   :72.00   Max.   :250.0   Max.   :1.0000
##  NA's   :2       NA's   :22       NA's   :36       NA's   :10
```

a. what does each

b.how many

```
nrow(babies)
```

```
## [1] 1236
```

c.

smoke can be

```
x<- lapply(babies[, 'smoke'], factor)
```