

# OysterFirstDraft

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```
oysterAvgInitial<-mean(initialHeights1)
initialHeightSD<-sd(initialHeights1)
shapiro.test(initialHeights1)
```

```
##
##  Shapiro-Wilk normality test
##
## data:  initialHeights1
## W = 0.9884, p-value = 0.02423
```

```
upperLimit<-oysterAvgInitial+2*initialHeightSD
lowerLimit<-oysterAvgInitial-2*initialHeightSD
initialHeights<-data.frame(initialHeights1)
```

The mean is 47.6392857mm and the standard deviation is 11.7208523 mm. The acceptable range of oyster shell heights for the experimental bags will be from 71.0809904 mm to 24.197581 mm.

```
library(ggplot2)
```

```
## Warning in register(): Can't find generic 'scale_type' in package ggplot2 to
## register S3 method.
```

```
ggplot(initialHeights,aes(x=initialHeights1))+geom_histogram(binwidth = 5, fill="#69b3a2", color="#e9ecf1")
```

