

4.

Hypothesis:

Ho: Price with Inside Units = Price with End Units

Ha: Price with Inside Units \neq Price with End Units

Code:

```
> Town<-  
read.csv("http://www.math.usu.edu/cfairbourn/Stat2300/RStudioFiles/data/Town.csv")  
>  
>  
> Inside<-subset(Town, Town$Bldg.Type=="Twnhs")  
> End<-subset(Town, Town$Bldg.Type=="TwnhsE")  
>  
> InsideSale<-Inside$SalePrice  
> EndSale<-End$SalePrice  
>  
> t.test(InsideSale, EndSale)
```

Welch Two Sample t-test

data: InsideSale and EndSale

t = -7.0476, df = 172.23, p-value = 4.201e-11

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

-72845.10 -40969.08

sample estimates:

mean of x mean of y

137196.7 194103.8

Conclusion:

The t value seems to indicate that Inside Units actually cost less than End Units