Replace with Main Title

Your Name

2015-09-04

```
> setwd("C:/Users/parlar/Documents/1NUS/S2/3.HousePrices")
```

```
> Dataset <-
+   read.table("C:/Users/parlar/Documents/1NUS/S2/3.HousePrices/Table2.1HousePrices.csv",
+    header=TRUE, sep=",", na.strings="NA", dec=".", strip.white=TRUE)
```

```
> LinearModel.1 <- lm(Price ~ Bathrooms + Bedrooms + Brick + Neighborhood +
+   Offers + SqFt, data=Dataset)
> summary(LinearModel.1)
```

```
Call:
lm(formula = Price ~ Bathrooms + Bedrooms + Brick + Neighborhood +
    Offers + SqFt, data = Dataset)

Residuals:
     Min       1Q   Median       3Q      Max
-27337.3  -6549.5    -41.7   5803.4  27359.3

Coefficients:
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)            598.919   9552.197   0.063  0.95011
Bathrooms             7883.278   2117.035   3.724  0.00030 ***
Bedrooms              4246.794   1597.911   2.658  0.00894 **
Brick[T.Yes]         17297.350   1981.616   8.729 1.78e-14 ***
Neighborhood[T.North]  1560.579   2396.765   0.651  0.51621
Neighborhood[T.West]  22241.616   2531.758   8.785 1.32e-14 ***
Offers                -8267.488   1084.777  -7.621 6.47e-12 ***
SqFt                     52.994      5.734   9.242 1.10e-15 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 10020 on 120 degrees of freedom
Multiple R-squared:  0.8686,    Adjusted R-squared:  0.861
F-statistic: 113.3 on 7 and 120 DF,  p-value: < 2.2e-16
```

```
> new <- data.frame(Bathrooms=2, Bedrooms=5, Brick="Yes", Neighborhood="North",
+   Offers=2,SqFt=1000)
```

```
> predict(LinearModel.1,new)
```

```
       1
92916.14
```