

Price House Group Project

Group A

November 16th, 2022

1 Data Transformation

```
1  
2 res <- resid(ZipFactor)
```

Table 1

<i>Dependent variable:</i>	
	SqFtLot
SqFtTotLiving	5.898*** (0.220)
ZipGroup	-47.632*** (3.848)
Constant	4,671,229.000*** (377,536.400)
Observations	20,340
R ²	0.049
Adjusted R ²	0.049
Residual Std. Error	28,158.290 (df = 20337)
F Statistic	522.163*** (df = 2; 20337)

Note:

*p<0.1; **p<0.05; ***p<0.01

2 Residual

Residual

Table 2

<i>Dependent variable:</i>	
	AdjSalePrice
SqFtTotLiving	186.719*** (3.169)
BldgGrade	115,699.300*** (2,453.317)
ZipGroup	647.235*** (36.013)
Constant	−64,191,980.000*** (3,533,963.000)
Observations	20,340
R ²	0.539
Adjusted R ²	0.539
Residual Std. Error	262,916.700 (df = 20336)
F Statistic	7,928.905*** (df = 3; 20336)

Note: *p<0.1; **p<0.05; ***p<0.01

Table 3

<i>Dependent variable:</i>	
	AdjSalePrice
SqFtTotLiving	176.735*** (3.012)
BldgGrade	151,549.500*** (2,460.825)
YrBuilt	-3,173.910*** (64.355)
Constant	5,289,625.000*** (121,827.000)
Observations	20,340
R ²	0.582
Adjusted R ²	0.582
Residual Std. Error	250,442.000 (df = 20336)
F Statistic	9,430.591*** (df = 3; 20336)

Note: *p<0.1; **p<0.05; ***p<0.01

```

1 mod5 <- lm(SqFtLot ~ SqFtTotLiving + ZipGroup, data = dat)
2 stargazer(mod5, type = "latex")

```

3 Summary

Data Summary on SqFtTotLiving

Min. 1st Qu. Median Mean 3rd Qu. Max. 370 1420 1910 2079 2540 10740

Figure 1: Plot.

Relationship between Square Feet of Lot, Square Feet of Total Living Sale Prices, Adjusted Sale Prices

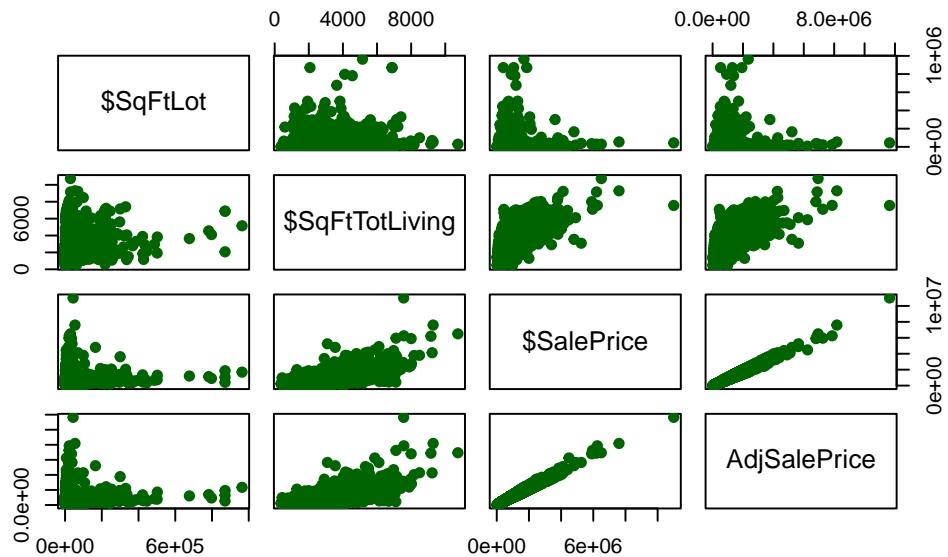


Figure 2: Plot.

