Lab1 4740

plot(X,Y,xlab='x-axis' ,ylab='y-axis', main ='x-y', xlim=c(-10,20))

read.csv( filepath, header=TRUE)

1436/38 /names(data)

is.na(data)/sum(is.na(data))

corollas2$Met\_Color=as.factor(corollas2$Met\_Color)

use binary data to indicate whether the car is or is not Diesel/ Petrol

if both Fuel TypePetrol and Fuel TypeDiesel =0

(Intercept) Age\_08\_04 KM

-7.698607e+03 -1.225803e+02 -1.703384e-02

Fuel\_TypeDiesel Fuel\_TypePetrol HP

5.262764e+02 2.421575e+03 2.257844e+01

Met\_Color1 Doors Quarterly\_Tax

3.343347e+01 -7.809554e+01 1.228840e+01

Weight

1.976445e+01

Take home part

1.

p-value: < 2.2e-16

all these factors are effective to the result, or not

yes

2. if we set p=0.05 as hypothesis threshold

Then age\_09\_04, KM,Fuel\_typePetrol,HP,Doors,Quarterly\_Tax,weight

are likely to have a relationship with the response variable Price

3. Price/Unit of that factor itself

4.+1 kg,+19.76 bucks on average,

No, variables are independent in linear model

5

No, variables are independent in linear model, we don’t have beta\*x1\*x2 terms in our model to represent the relation between different factors

6