Yi En Gan (Andrew)

ECE 20875 HW 07

Problem 2

Equation of best fitted model for sample x

5109.5 carat $- 201.40$ depth $- 208.10$ table $- 1334.0$ x $+ 222.31$ y $- 68.477$ z $+ 501.76$ clarity $+ 74.368$ cut $- 458.65$ color

Given the independent variables

Carat	0.25
Cut	3
Color	3
Clarity	5
Depth	60
Table	55
x	4
y	3
z	2

Predicted price value = 4370.17 after adding intercept