Model1 = lm(HDI~ LE2013L,LE2013H)

LE2013A LE2013B LE2013C LE2013D

2)??????

> fds <- read.csv(file.choose(), header=TRUE)

> attach(fds)

> LE2013A= (1\*(LE2013 >=18))

> LE2013B = (1\*(LE2013<18 & LE2013>=16))

> LE2013C= (1\*(LE2013 <16 & LE2013>=14))

> LE2013D = (1\*(LE2013<14))

> model3 = lm(HDI ~ LE2013A + LE2013B + LE2013C + LE2013D)

> summary(model3)

Call:

lm(formula = HDI ~ LE2013A + LE2013B + LE2013C + LE2013D)

Residuals:

Min 1Q Median 3Q Max

-0.34863 -0.12313 0.03137 0.12537 0.25837

Coefficients: (4 not defined because of singularities)

Estimate Std. Error t value Pr(>|t|)

(Intercept) 0.68563 0.01141 60.07 <2e-16 \*\*\*

LE2013A NA NA NA NA

LE2013B NA NA NA NA

LE2013C NA NA NA NA

LE2013D NA NA NA NA

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1561 on 186 degrees of freedom

AB = Age\*Baths

model8 = lm(Value ~ Size + Rooms + Garage + Baths + Age + AB)

summary(model8)

#H

#The interaction term LE is significant. as alpha = 0.05 > .00263 (our p-value)

H0: β = 0

H1: β ≠ 0

Since our t test statistic = -1.653557 > -3.051,so it is significant.

TukeyHSD(aov(HDI ~ factor(CHINRANK)))

EY2 = EYRSCH\*EYRSCH

model4 = lm(HDI ~ LE2013 + MEANYRSCH + EYRSCH + EY2 + GNI2013 + HDI2012 +CHINRANK + DL)

summary(model4)

model7 = lm(HDI ~ LE2013 + MEANYRSCH + EYRSCH + GNI2013 + HDI2012 +CHINRANK + DL)

qf(.95, df1=1,df2=269, lower.tail=TRUE)

EY2 = EYRSCH\*EYRSCH

model4 = lm(HDI ~ LE2013 + MEANYRSCH + EYRSCH + EY2 + GNI2013 + HDI2012 +CHINRANK + DL)

summary(model4)

lnHDI= log(HDI)

model8 = lm(ln(HDI) ~ LE2013 + MEANYRSCH + EYRSCH + GNI2013 + HDI2012 +CHINRANK + DL)

summary(model8)

x= -1.640e+00

x1=x + -7.546e-04

x2=x + -4.201e-03

x4=x + -6.792e-07

x5=x + 2.004e+00

x6=x + 2.603e-03

x7=x + 2.648e-02

x8=x + 4.011e-02

x9=x + -5.618e-02

HDI= 81\*x1 + 12.6\*x2 + 17\*x3 +63909\*x4 +.9\*x5 + 1\*x6+

Aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa