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#PB Set 1
data=read.csv("~/Desktop/Econ172_S19_ProblemSet1_data.csv")
install.packages("stargazer")
library(stargazer)
library(dplyr)
#####b#####
###Average differences between treatment and control households###
##Gender differences
reg1= lm(female ~ cash, data)
reg1
summary(reg1) #coeff = 0.022, SE = 0.029, t-value = 0.75
##Age differences
reg2= lm(age25 ~ cash, data)
reg2
summary(reg2) #coeff = 0.002, SE = 0.025, t-value = 0.081
##Education differences
reg3= lm(schooling ~ cash, data)
reg3
summary(reg3) #coeff = -0.012, SE = 0.031, t-value = -0.392
###Differences in gender and age, with schooling restricted at 1###
schooled = filter(data,schooling==1)
reg4 = lm(female ~ cash, schooled)
reg4
summary(reg4) #coeff = 0.073, SE = 0.051, t-value = 1.417
reg5
summary(reg5) #coeff = -0.029, SE = 0.045, t-value = -0.659
###Regression outputs###
#reg1
stargazer(reg1,out="Table 1.html",type="html",
title="Gender Differences")
#reg2
stargazer(reg2,out="Table 2.html",type="html",
title="Age Differences")
#reg3
stargazer(reg3,out="Table 3.html",type="html",
title="Education Differences")
#reg4
stargazer(reg4,out="Table 4.html",type="html",
title="Gender differences when schooled")
#reg 5
stargazer(reg5,out="Table 5.html",type="html",
title="Age differences when shcooled")
#####c#####
##Health on cash
reg6= lm(health ~ cash, data)
reg6
summary(reg6) #coeff = 0.024, SE = 0.06, t-value = 0.377
##Health on cash (education restricted at 1)
schooled = filter(data,schooling==1)
reg7=lm(health ~ cash, schooled)
reg7
summary(reg7) #coeff = 0.049, SE = 0.10, t-value = 0.490
###Regression outputs###
#reg6
stargazer(reg6,out="Table 6.html",type="html",
title="Health on Cash Transfer")
#reg7
stargazer(reg7,out="Table 7.html",type="html",

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title="Health on Cash Transfer (Education Restricted)")
#####d#####
##Health on cash, gender and age
reg8 = lm(health ~ cash + female + age25, data)
reg8
summary(reg8)
stargazer(reg8,out="Table 8.html",type="html",
title="Health on Cash Transfer, Gender and Age")
###Health on cash, gender and age, with schooling restricted to 1###
schooled = filter(data,schooling==1)
reg9 = lm(health ~ cash + female + age25, schooled)
reg9
summary(reg9)
stargazer(reg9,out="Table 9.html",type="html",
title="Health on Cash Transfer, Gender and Age (Education Restricted)")
timestamp(stamp=date())
##----- Wed Feb 20 22:39:24 2019 -----##
savehistory(file="PB_Set_1_Oscar_CHAIX.Rhistory")
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