Preliminary Results - Question A

Harvard EcLabs

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```r
# Packages
library(estimatr)
library(modelsummary)
# Reading in Data
dat <- read.csv('Sub_Openings_amz.csv')
# Variable Creation
dat$EMP_RAT <- dat$emp/dat$CT_POP
dat$TOT_EMP_RAT <- dat$TOT_EMP/dat$CT_POP
# Regressions Models
lm1 <- lm_robust(EMP_RAT ~ TREAT, data = dat)
lm2 <- lm_robust(TOT_EMP_RAT ~ TREAT, data = dat)

summary(lm1)
```

```
##
## Call:
## lm_robust(formula = EMP_RAT ~ TREAT, data = dat)
##
## Standard error type:  HC2
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)  CI Lower CI Upper DF
## (Intercept) 0.004057   0.001012  4.0093 0.001292  0.001887 0.006227 14
## TREAT       0.001212   0.001515  0.8003 0.436931 -0.002036 0.004461 14
##
## Multiple R-squared:  0.04374 ,   Adjusted R-squared:  -0.02456
## F-statistic: 0.6404 on 1 and 14 DF,  p-value: 0.4369
```

```r
summary(lm2)
```

```
##
## Call:
## lm_robust(formula = TOT_EMP_RAT ~ TREAT, data = dat)
##
## Standard error type:  HC2
##
## Coefficients:
##             Estimate Std. Error t value  Pr(>|t|) CI Lower CI Upper DF
## (Intercept) 0.324753    0.03420   9.496 1.765e-07  0.25141   0.3981 14
## TREAT       0.007351    0.04899   0.150 8.829e-01 -0.09772   0.1124 14
##
## Multiple R-squared:  0.001606 ,  Adjusted R-squared:  -0.06971
## F-statistic: 0.02251 on 1 and 14 DF,  p-value: 0.8829
```