Example Project for SOCS0075

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## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.

## Citing

You can easily add citations from a bibfile, such as Abadie and Gardeazabal (2003), by using the @ and the bibfile key. Putting them into brackets gives you a citation inside the text (Abadie and Gardeazabal 2003; Abadie, Diamond, and Hainmueller 2010). The references below will be generated automatically.

## Using numbers in the text

##   
## Call:  
## lm(formula = log(co2\_pc) ~ log(gdp\_pc) + I(log(gdp\_pc)^2), data = wd.df[wd.df$year ==   
## 2019, ])  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -1.22641 -0.41558 -0.08828 0.34453 1.74668   
##   
## Coefficients:  
## Estimate Std. Error t value Pr(>|t|)   
## (Intercept) -20.03296 1.53141 -13.081 < 2e-16 \*\*\*  
## log(gdp\_pc) 3.97415 0.35818 11.095 < 2e-16 \*\*\*  
## I(log(gdp\_pc)^2) -0.17797 0.02059 -8.644 2.83e-15 \*\*\*  
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 0.5768 on 181 degrees of freedom  
## (32 observations deleted due to missingness)  
## Multiple R-squared: 0.8331, Adjusted R-squared: 0.8312   
## F-statistic: 451.7 on 2 and 181 DF, p-value: < 2.2e-16

The regression above has an intercept of -20.033, and the coefficient for the linear term of GDP is 3.974.

## References

Abadie, Alberto, Alexis Diamond, and Jens Hainmueller. 2010. “Synthetic Control Methods for Comparative Case Studies: Estimating the Effect of California’s Tobacco Control Program.” *Journal of the American Statistical Association* 105 (490): 493–505. <https://doi.org/10.1198/jasa.2009.ap08746>.

Abadie, Alberto, and Javier Gardeazabal. 2003. “The Economic Costs of Conflict: A Case Study of the Basque Country.” *American Economic Review* 93 (1): 113–32. <https://doi.org/10.1257/000282803321455188>.