

CIVIX@Australia

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```
dat = readxl::read_xlsx("F00007577-WV6_Data_Australia_2012_Excel_v20180912.xlsx")
# control variables
dat$age = dat$`V242: Age`
dat$ethnic = dat$`V254: Ethnic group`
dat$gender = dat$`V240: Sex`
dat$edu = dat$`V248: Highest educational level attained`

# DV: interested in politics
dat$poli = dat$`V84: Interest in politics`

# citizenship status
# dat$citizen = ifelse(dat$`V246: Respondent citizen` > 0, dat$`V246: Respondent citizen`, NA)
dat$citizen = dat$`V246: Respondent citizen`
dat.citizen = filter(dat, citizen == 1)
dat.immi = filter(dat, citizen != 1)

fit.citizen = lm(poli ~ age + ethnic + gender + edu, data = dat.citizen)
summary(fit.citizen)
```

```
##
## Call:
## lm(formula = poli ~ age + ethnic + gender + edu, data = dat.citizen)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -4.6496 -0.5468 -0.1059  0.6674  2.2363
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  2.776e+00  1.239e-01  22.413  < 2e-16 ***
## age         -1.358e-02  1.544e-03  -8.794  < 2e-16 ***
## ethnic       4.178e-05  4.930e-05   0.848    0.397
## gender      2.410e-01  5.089e-02   4.737  2.39e-06 ***
## edu         -2.512e-02  4.807e-03  -5.226  1.99e-07 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9632 on 1450 degrees of freedom
## Multiple R-squared:  0.07238,    Adjusted R-squared:  0.06982
## F-statistic: 28.28 on 4 and 1450 DF,  p-value: < 2.2e-16

fit.immi = lm(poli ~ age + ethnic + gender + edu, data = dat.immi)
summary(fit.immi)
```

```
##
## Call:
## lm(formula = poli ~ age + ethnic + gender + edu, data = dat.immi)
##
```

```

## Residuals:
##      Min       1Q   Median       3Q      Max
## -3.587 -1.363  0.068  1.252  4.506
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -0.364027   1.426002  -0.255   0.8016
## age          0.038163   0.014221   2.684   0.0157 *
## ethnic       0.003910   0.004676   0.836   0.4146
## gender      -0.170125   0.893465  -0.190   0.8512
## edu         -0.056087   0.084836  -0.661   0.5174
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.946 on 17 degrees of freedom
## Multiple R-squared:  0.3629, Adjusted R-squared:  0.2129
## F-statistic:  2.42 on 4 and 17 DF,  p-value: 0.08853

```