

Making Regression Tables

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```
knitr::opts_chunk$set(echo = TRUE)
```

```
library(fixest)
```

```
library(dplyr)
```

```
##
```

```
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
```

```
##
```

```
## filter, lag
```

```
## The following objects are masked from 'package:base':
```

```
##
```

```
## intersect, setdiff, setequal, union
```

```
n <- 1000
```

```
random_sampler <- function(n = 1000) {  
  mu <- runif(1, -5, 5)  
  sd <- runif(1, 0, 1)  
  res <- rnorm(n, mean = mu, sd = sd)  
  res <- sample(c(res, rep(NA, n/10)), size = n, replace = T)  
  return(res)  
}
```

```
random_sampler(100)
```

```
## [1] 0.4478997 0.4540419 0.4992207 0.5086479 0.4079895 0.4692788 0.4243046  
## [8] 0.4286912 0.3951827 NA 0.4558117 0.4243046 0.4333201 NA  
## [15] 0.4536906 0.4766272 0.4370514 0.4222826 0.4449085 0.5201547 0.4557501  
## [22] NA NA 0.4478997 0.4221694 0.3774258 0.4069314 0.4109434  
## [29] 0.4558117 NA 0.4887557 0.4186661 0.4378328 0.3818224 0.4558231  
## [36] 0.4712371 0.3704236 0.4716817 0.4272570 0.4694758 0.4692788 0.4360541  
## [43] 0.4122176 0.4079521 0.4764073 NA 0.4282448 0.3860932 NA  
## [50] 0.3818224 0.4096304 0.4557501 0.3860932 0.4256579 0.3951827 NA  
## [57] 0.4221694 0.4243046 0.4069314 0.4326128 0.4243046 0.3818224 0.4196082  
## [64] 0.4363263 0.4282448 0.4846517 0.4449085 0.4593610 0.4716817 0.4558117  
## [71] 0.4378328 0.4558231 0.4284910 0.4614314 0.4256579 0.4222826 0.4714311  
## [78] 0.3860932 0.4540419 0.5086479 0.4378328 0.3774258 0.4196082 0.4400873  
## [85] 0.4540076 0.4222826 0.4349402 0.4122176 0.4203355 0.4093189 0.3774258  
## [92] 0.4256579 0.4193025 0.4558117 0.3951827 0.4473817 0.4318975 0.4326128  
## [99] 0.4075613 0.4186661
```

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:

Pseudo data

```
set.seed(1234)
data <- data.frame(resource_dep = random_sampler(),
                   autocracy = random_sampler(),
                   env_nar = random_sampler(),
                   hr_nar = random_sampler(),
                   international = random_sampler(),
                   year = sample(2008:2022, size = n, replace = T),
                   permno = sample(1:50, size = n, replace = T)
)

summary(data)
```

```
##  resource_dep      autocracy      env_nar      hr_nar
##  Min.      :-5.875    Min.      :-3.3762   Min.      :-1.8006   Min.      :-3.410
##  1st Qu.   :-4.267    1st Qu.  :-1.1648   1st Qu.   : 0.1640   1st Qu.   :-2.561
##  Median   :-3.890    Median   :-0.4694   Median    : 0.7554   Median    :-2.333
##  Mean     :-3.886    Mean     :-0.5030   Mean      : 0.7297   Mean     :-2.323
##  3rd Qu.  :-3.510    3rd Qu.  : 0.1357   3rd Qu.   : 1.2773   3rd Qu.   :-2.066
##  Max.     :-1.874    Max.      : 2.3167   Max.      : 3.0974   Max.     :-1.297
##  NA's     :97       NA's      :85       NA's      :83       NA's      :75
##  international      year      permno
##  Min.      :-3.3032   Min.      :2008   Min.      : 1.00
##  1st Qu.   :-2.1965   1st Qu.   :2012   1st Qu.   :14.00
##  Median   :-1.9201   Median    :2016   Median    :27.00
##  Mean     :-1.9218   Mean      :2015   Mean      :26.48
##  3rd Qu.  :-1.6407   3rd Qu.   :2019   3rd Qu.   :40.00
##  Max.     :-0.5181   Max.      :2022   Max.      :50.00
##  NA's     :85
```

Running Regressions

```
reg1 <- feols(env_nar ~ resource_dep + autocracy + international | year + permno,
              data = data)
```

```
## NOTE: 307 observations removed because of NA values (LHS: 83, RHS: 245).
```

```
reg2 <- feols(hr_nar ~ resource_dep + autocracy + international | year + permno,
              data = data)
```

```
## NOTE: 308 observations removed because of NA values (LHS: 75, RHS: 245).
```

```
reg3 <- feols(env_nar ~ resource_dep + autocracy + international
              + resource_dep*international + autocracy*international | year + permno,
              data = data)
```

```
## NOTE: 307 observations removed because of NA values (LHS: 83, RHS: 245).
```

```
reg4 <- feols(hr_nar ~ resource_dep + autocracy + international
              + resource_dep*international + autocracy*international | year + permno,
              data = data)
```

NOTE: 308 observations removed because of NA values (LHS: 75, RHS: 245).

```
etable(reg1, reg2, reg3, reg4)
```

```
##                               reg1          reg2          reg3
## Dependent Var.:             env_nar          hr_nar          env_nar
##
## resource_dep                -0.0469 (0.0712) -0.0326 (0.0285) -0.1627 (0.2693)
## autocracy                   0.0473 (0.0321) 0.0278* (0.0116) -0.0357 (0.1496)
## international               -0.0427 (0.0614) -0.0331 (0.0237) -0.3007 (0.5387)
## resource_dep x international                                     -0.0602 (0.1363)
## autocracy x international                                     -0.0427 (0.0777)
## Fixed-Effects: -----
## year                        Yes                      Yes                      Yes
## permno                      Yes                      Yes                      Yes
## -----
## S.E.: Clustered             by: year             by: year             by: year
## Observations                693                  692                  693
## R2                          0.09263              0.10029              0.09337
## Within R2                   0.00485              0.00879              0.00567
##
##                               reg4
## Dependent Var.:             hr_nar
##
## resource_dep                -0.1078 (0.0918)
## autocracy                   -0.0583 (0.0630)
## international               -0.2079 (0.1620)
## resource_dep x international -0.0389 (0.0442)
## autocracy x international   -0.0445 (0.0318)
## Fixed-Effects: -----
## year                        Yes
## permno                      Yes
## -----
## S.E.: Clustered             by: year
## Observations                692
## R2                          0.10298
## Within R2                   0.01175
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

And we can put the displayed names in a named vector.

```
keyvalues = c("resource_dep" = "Home resource dependency",
              "autocracy" = "Home autocracy",
              "env_nar" = "Env. Nar.",
              "hr_nar" = "HR Nar.",
              "international" = "internationalization"
              )
```

```
etable(reg1, reg2, reg3, reg4, dict = keyvalues)
```

```
##                               reg1
```

```

## Dependent Var.: Env. Nar.
##
## Home resource dependency -0.0469 (0.0712)
## Home autocracy 0.0473 (0.0321)
## internationalization -0.0427 (0.0614)
## Home resource dependency x internationalization
## Home autocracy x internationalization
## Fixed-Effects: -----
## year Yes
## permno Yes
## -----
## S.E.: Clustered by: year
## Observations 693
## R2 0.09263
## Within R2 0.00485
##
## reg2
## Dependent Var.: HR Nar.
##
## Home resource dependency -0.0326 (0.0285)
## Home autocracy 0.0278* (0.0116)
## internationalization -0.0331 (0.0237)
## Home resource dependency x internationalization
## Home autocracy x internationalization
## Fixed-Effects: -----
## year Yes
## permno Yes
## -----
## S.E.: Clustered by: year
## Observations 692
## R2 0.10029
## Within R2 0.00879
##
## reg3
## Dependent Var.: Env. Nar.
##
## Home resource dependency -0.1627 (0.2693)
## Home autocracy -0.0357 (0.1496)
## internationalization -0.3007 (0.5387)
## Home resource dependency x internationalization -0.0602 (0.1363)
## Home autocracy x internationalization -0.0427 (0.0777)
## Fixed-Effects: -----
## year Yes
## permno Yes
## -----
## S.E.: Clustered by: year
## Observations 693
## R2 0.09337
## Within R2 0.00567
##
## reg4
## Dependent Var.: HR Nar.
##
## Home resource dependency -0.1078 (0.0918)

```

```

## Home autocracy -0.0583 (0.0630)
## internationalization -0.2079 (0.1620)
## Home resource dependency x internationalization -0.0389 (0.0442)
## Home autocracy x internationalization -0.0445 (0.0318)
## Fixed-Effects: -----
## year Yes
## permno Yes
## -----
## S.E.: Clustered by: year
## Observations 692
## R2 0.10298
## Within R2 0.01175
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

Furthermore, we can render the \LaTeX table

```

etable(reg1, reg2, reg3, reg4,
  tex = T,
  dict = keyvalues,
  style.tex = style.tex("aer"),
  fitstat = ~ r2 + n)

```

	Env. Nar. (1)	HR Nar. (2)	Env. Nar. (3)	HR Nar. (4)
Home resource dependency	-0.0469 (0.0712)	-0.0326 (0.0285)	-0.1627 (0.2693)	-0.1078 (0.0918)
Home autocracy	0.0473 (0.0321)	0.0278** (0.0116)	-0.0357 (0.1496)	-0.0583 (0.0630)
internationalization	-0.0427 (0.0614)	-0.0331 (0.0237)	-0.3007 (0.5387)	-0.2079 (0.1620)
Home resource dependency \times internationalization			-0.0602 (0.1363)	-0.0389 (0.0442)
Home autocracy \times internationalization			-0.0427 (0.0777)	-0.0445 (0.0318)
R ²	0.09263	0.10029	0.09337	0.10298
Observations	693	692	693	692
year fixed effects	✓	✓	✓	✓
permno fixed effects	✓	✓	✓	✓