
```

  name: quota_logStata
  log: D:\Temp\MCP\Did\did-toolbox\examples\quota_logStata.smcl
  log type: smcl
  opened on: 19 Jan 2026, 16:41:22

1 .
2 . encode country, generate(country_code)
3 . tset country_code year
Panel variable: country_code (strongly balanced)
Time variable: year, 1990 to 2015
Delta: 1 unit
4 . xtreg womparl quota, fe vce(cluster country_code)

  Fixed-effects (within) regression           Number of obs     =   3,094
  Group variable: country_code               Number of groups =     119
  R-squared:                               Obs per group:
    Within = 0.0881                         min =        26
    Between = 0.0819                         avg =       26.0
    Overall = 0.0818                         max =        26
  corr(u_i, Xb) = -0.1569                   F(1, 118)      =     15.70
                                         Prob > F      =  0.0001
  (Std. err. adjusted for 119 clusters in country_code)

  

|         | Robust      |           |        |       |                                   |
|---------|-------------|-----------|--------|-------|-----------------------------------|
| womparl | Coefficient | std. err. | t      | P> t  | [95% conf. interval]              |
| quota   | 14.86056    | 3.750871  | 3.96   | 0.000 | 7.433404 22.28771                 |
| _cons   | 14.51383    | .1139475  | 127.37 | 0.000 | 14.28818 14.73947                 |
| sigma_u | 9.2568891   |           |        |       |                                   |
| sigma_e | 6.1433135   |           |        |       |                                   |
| rho     | .69423795   |           |        |       | (fraction of variance due to u_i) |



5 .
6 .
7 . * no covariates & dependant: quota dummy
8 . sdid womparl country year quota, vce(bootstrap) seed(1213)
Bootstrap replications (50). This may take some time.
----- 1 ----- 2 ----- 3 ----- 4 ----- 5
.....50

Synthetic Difference-in-Differences Estimator

  

|       | ATT     | Std. Err. | t    | P> t  | [95% Conf. Interval] |
|-------|---------|-----------|------|-------|----------------------|
| quota | 8.03410 | 3.74840   | 2.15 | 0.032 | 0.70305 15.36516     |



95% CIs and p-values are based on large-sample approximations.
Refer to Arkhangelsky et al., (2021) for theoretical derivations.

10 . drop if lndg==.
(104 observations deleted)

11 . sdid womparl country year quota, vce(bootstrap) seed(1213) covariates(lngdp, projected)
Bootstrap replications (50). This may take some time.
----- 1 ----- 2 ----- 3 ----- 4 ----- 5
.....50

Synthetic Difference-in-Differences Estimator

  

|       | ATT     | Std. Err. | t    | P> t  | [95% Conf. Interval] |
|-------|---------|-----------|------|-------|----------------------|
| quota | 8.05927 | 3.11913   | 2.58 | 0.010 | 1.94589 14.17264     |



95% CIs and p-values are based on large-sample approximations.
Refer to Arkhangelsky et al., (2021) for theoretical derivations.

12 .
13 .
14 . * no covariates & dependant: lnmmrt
15 . tset country_code year
Panel variable: country_code (strongly balanced)
Time variable: year, 1990 to 2015
Delta: 1 unit
16 . xtreg lnmmrt quota if lnmmrt=., fe vce(cluster country_code)

  Fixed-effects (within) regression           Number of obs     =   2,990
  Group variable: country_code               Number of groups =     115
  R-squared:                               Obs per group:
    Within = 0.0445                         min =        26
    Between = 0.0723                         avg =       26.0
    Overall = 0.0235                         max =        26
  corr(u_i, Xb) = -0.2036                   F(1, 114)      =     30.49
                                         Prob > F      =  0.0000
  (Std. err. adjusted for 115 clusters in country_code)

  

|         | Robust      |           |         |       |                                   |
|---------|-------------|-----------|---------|-------|-----------------------------------|
| lnmmrt  | Coefficient | std. err. | t       | P> t  | [95% conf. interval]              |
| quota   | -4531866    | .0821898  | -5.51   | 0.000 | -.6160839 -.298692                |
| _cons   | 4.199779    | .0025839  | 1625.37 | 0.000 | 4.19466 4.204898                  |
| sigma_u | 1.6061111   |           |         |       |                                   |
| sigma_e | .27446831   |           |         |       |                                   |
| rho     | .97162686   |           |         |       | (fraction of variance due to u_i) |



17 . sdid lnmmrt country year quota if lnmmrt=., vce(bootstrap) seed(1213)
Bootstrap replications (50). This may take some time.
----- 1 ----- 2 ----- 3 ----- 4 ----- 5
.....50

Synthetic Difference-in-Differences Estimator

  

|       | ATT      | Std. Err. | t     | P> t  | [95% Conf. Interval] |
|-------|----------|-----------|-------|-------|----------------------|
| quota | -0.12984 | 0.05749   | -2.26 | 0.024 | -0.24251 -0.01717    |



95% CIs and p-values are based on large-sample approximations.
Refer to Arkhangelsky et al., (2021) for theoretical derivations.

18 .
19 .
20 . log close
  name: quota_logStata
  log: D:\Temp\MCP\Did\did-toolbox\examples\quota_logStata.smcl
  log type: smcl
  closed on: 19 Jan 2026, 16:42:44

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