

```

name: <unnamed>
log: D:\Temp\WCP\VID\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 . tsset 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 = 0.0019                    avg       =   26.0
    Overall = 0.0101                    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)

+-----+-----+-----+-----+-----+
| womparl | Coefficient | Robust std. err. | t | P>|t| | [95% conf. interval] |
+-----+-----+-----+-----+-----+
| quota   | 14.86056   | 3.750571         | 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

+-----+-----+-----+-----+-----+
| womparl | ATT | Std. Err. | t | P>|t| | [95% Conf. Interval] |
+-----+-----+-----+-----+-----+
| quota   | 8.03410 | 3.74040 | 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.

9 .
10 . drop if lngdp==.
(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

+-----+-----+-----+-----+-----+
| womparl | 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: lnmmt
15 . tsset country_code year

Panel variable: country_code (strongly balanced)
Time variable: year, 1990 to 2015
Delta: 1 unit

16 . xtreg lnmmt quota if lnmmt=., 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)       =   30.40
                                         Prob > F        =   0.0000

(Std. err. adjusted for 115 clusters in country_code)

+-----+-----+-----+-----+-----+
| lnmmt   | Coefficient | Robust std. err. | t | P>|t| | [95% conf. interval] |
+-----+-----+-----+-----+-----+
| quota   | -.4531866  | .0021898         | -5.51 | 0.000 | -.6160039 -.2903692 |
| _cons   | 4.199779   | .0025839         | 1625.37 | 0.000 | 4.19466 4.204898 |
+-----+-----+-----+-----+-----+
| sigma_u | 1.6061111  |                  |      |       |                  |
| sigma_e | .27446031  |                  |      |       |                  |
| rho     | .97162686  | (fraction of variance due to u_i) |
+-----+-----+-----+-----+-----+

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

Synthetic Difference-in-Differences Estimator

+-----+-----+-----+-----+-----+
| lnmmt   | 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: <unnamed>
log: D:\Temp\WCP\VID\did-toolbox\examples\quota_logStata.smcl
log type: smcl
closed on: 19 Jan 2026, 16:42:44

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