

job submitted

```

local country "es lu"
loc c "es"

clear
use ${mydata}/extract-`c' , clear
svyset [pw=ppopwgt] , psu(hid) strata(year)
tab indal , gen(dindal) // generate dummy variables
loc covariates c.age##c.age i.ptime1 i.indal
loc covariatesnoi age age2 ptime1 dindal2 dindal3

// reweighting approach

svy : logit period i.tersex
predict p1 // probability to "be in period 1" given sex educ
svy : logit period i.tersex i.tersex#(`covariates')
predict p2 // probability to "be in period 1" given sex educ and other cov"

gen rw1 = cond(period==1 , 1 , p1/(1-p1))
gen rw2 = cond(period==1 , 1 , p2/(1-p2))

tab tersex period [aw=ppopwgt] , col
tab tersex period [aw=ppopwgt*rw1] , col
tab tersex period [aw=ppopwgt*rw2] , col

tab indal period [aw=ppopwgt] , col
tab indal period [aw=ppopwgt*rw1] , col
tab indal period [aw=ppopwgt*rw2] , col
tab indal period if tersex==1 [aw=ppopwgt*rw2] , col

* Period 0 inequality
sgini capearn if period==0 [aw=ppopwgt]
* Period 0 inequality if gender and education of period 1 (what is held fixed is within group inequality)
sgini capearn if period==0 [aw=ppopwgt*rw1]
* Period 0 inequality if gender and education and industry and age etc. of period 1 (what is held fixed is
within group inequality)
sgini capearn if period==0 [aw=ppopwgt*rw2]
* Period 1 inequality
sgini capearn if period==1 [aw=ppopwgt]

// distribution regression -- illustration using quantile regression
// use the -counterfactual- command:
counterfactual capearn fnonter fter mter `covariatesnoi' [aw=ppopwgt] , group(period) noboot method(lpm)

// quantile regression:
preserve
foreach quant of numlist 1(2)99 {
quietly qreg lncapearn `covariates' [pw=ppopwgt] if period==0 , quantile(`quant')
qui predict lnq_0_`quant' // predict for both period 0 and 1 !
qui gen q_0_`quant' = exp(lnq_0_`quant')

quietly qreg lncapearn `covariates' [pw=ppopwgt] if period==1 , quantile(`quant')
qui predict lnq_1_`quant'
qui gen q_1_`quant' = exp(lnq_1_`quant')
}

```

```

keep upid q* period ppopwgt
reshape long q_0_ q_1_ , i(upid period) j(quant)
reshape error
sample 50
sgini q_0_ if period==0 [aw=ppopwgt]
sgini q_0_ if period==1 [aw=ppopwgt]
sgini q_1_ if period==0 [aw=ppopwgt]
sgini q_1_ if period==1 [aw=ppopwgt]
restore

// Singh-Maddala model:
preserve

smfit capearn [aw=ppopwgt] if period==0 , a(fnonter fter mter) b(`covariatesnoi') itera(50)
predict double a0, eq(a) xb
    predict double b0, eq(b) xb
    predict double q0, eq(q) xb
smfit capearn [aw=ppopwgt] if period==1 , a(fnonter fter mter ) b(`covariatesnoi') itera(50)
predict double a1, eq(a) xb
    predict double b1, eq(b) xb
    predict double q1, eq(q) xb
foreach quant of numlist 2(2)98 {
    loc p = `quant' / 100
    qui gen q_0_`quant' = b0*((1-`p')^(-1/q0) - 1)^(1/a0)
    qui gen q_1_`quant' = b1*((1-`p')^(-1/q1) - 1)^(1/a1)
}
keep upid q* period ppopwgt
reshape long q_0_ q_1_ , i(upid period) j(quant)
sample 50
sgini q_0_ if period==0 [aw=ppopwgt]
sgini q_0_ if period==1 [aw=ppopwgt]
sgini q_1_ if period==0 [aw=ppopwgt]
sgini q_1_ if period==1 [aw=ppopwgt]
restore

```

listing

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NOTICE TO USERS

```
. local country "es lu"

. loc c "es"

.
. clear

. use ${mydata}/extract-`c' , clear

. svyset [pw=ppopwgt] , psu(hid) strata(year)

      pweight: ppopwgt
          VCE: linearized
Single unit: missing
  Strata 1: year
      SU 1: hid
    FPC 1: <zero>

. tab indal , gen(dindal) // generate dummy variables
```

industry (3-category recode), main job	Freq.	Percent	Cum.
[1]agriculture	565	3.23	3.23
[2]industry	5,177	29.62	32.85
[3]services	11,737	67.15	100.00
Total	17,479	100.00	

```
. loc covariates c.age##c.age i.ptime1 i.indal

. loc covariatesnoi age age2 ptime1 dindal2 dindal3

.
. // reweighting approach
.
. svy : logit period i.tersex
(running logit on estimation sample)
```

Survey: Logistic regression

Number of strata	=	3	Number of obs	=	17,479
Number of PSUs	=	13,352	Population size	=	22,944,058
			Design df	=	13,349
			F(3, 13347)	=	13.79
			Prob > F	=	0.0000

		Linearized				
period	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
tersex						

2		-.0143159	.0972809	-0.15	0.883	-.2050003	.1763686
11		.4793977	.1383145	3.47	0.001	.2082816	.7505138
12		.9627537	.1709272	5.63	0.000	.6277122	1.297795
_cons		2.576662	.0496303	51.92	0.000	2.47938	2.673945

```
. predict p1 // probability to "be in period 1" given sex educ
(option pr assumed; Pr(period))
```

```
. svy : logit period i.tersex i.tersex#(`covariates')
(running logit on estimation sample)
```

note: 12.tersex#1b.indal != 0 predicts success perfectly

12.tersex#1b.indal dropped and 13 obs not used

note: 12.tersex#3.indal omitted because of collinearity

Survey: Logistic regression

Number of strata	=	3	Number of obs	=	17,139
Number of PSUs	=	13,147	Population size	=	22,480,862
			Design df	=	13,144
			F(22, 13123)	=	6.74
			Prob > F	=	0.0000

		Linearized				
period		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
tersex						
2		-2.141927	2.702068	-0.79	0.428	-7.438371 3.154517
11		1.441412	3.659233	0.39	0.694	-5.731213 8.614037
12		-3.181588	6.426098	-0.50	0.621	-15.77767 9.414493
tersex#c.age						
1		.0621844	.0840148	0.74	0.459	-.1024968 .2268655
2		.1631631	.0996883	1.64	0.102	-.0322403 .3585665
11		.07273	.1316836	0.55	0.581	-.185389 .3308489
12		.202644	.3035439	0.67	0.504	-.392346 .7976339
tersex#c.age#c.age						
1		-.0004096	.0009341	-0.44	0.661	-.0022406 .0014215
2		-.001463	.0011369	-1.29	0.198	-.0036914 .0007654
11		-.0003209	.0014448	-0.22	0.824	-.0031529 .002511
12		-.0006539	.0036487	-0.18	0.858	-.0078059 .0064982
tersex#ptime1						
1#[1]part-time		-1.067602	.2920368	-3.66	0.000	-1.640036 -.4951674
2#[1]part-time		-.5927583	.1665101	-3.56	0.000	-.9191421 -.2663744
11#[1]part-time		.0276531	.6556452	0.04	0.966	-1.257506 1.312812
12#[1]part-time		-.4600546	.3623876	-1.27	0.204	-1.170387 .2502774
tersex#indal						
1#[2]industry		.5136529	.247102	2.08	0.038	.0292973 .9980085
1#[3]services		.958991	.2519323	3.81	0.000	.4651673 1.452815
2#[2]industry		.3408531	.4491455	0.76	0.448	-.539537 1.221243
2#[3]services		.7713542	.4168893	1.85	0.064	-.0458092 1.588518

11#[2]industry		-.9538479	1.041044	-0.92	0.360	-2.994444	1.086748
11#[3]services		-.8372206	1.029285	-0.81	0.416	-2.854768	1.180326
12#[1]agriculture		0	(empty)				
12#[2]industry		1.266884	.71157	1.78	0.075	-.1278955	2.661664
12#[3]services		0	(omitted)				
_cons		.0404943	1.877318	0.02	0.983	-3.639321	3.720309

```
. predict p2 // probability to "be in perdio 1 given sex educ and other cov"
(option pr assumed: Pr(period))
(340 missing values generated)
```

```
.
. gen rw1 = cond(period==1 , 1 , p1/(1-p1))

. gen rw2 = cond(period==1 , 1 , p2/(1-p2))
(5 missing values generated)
```

```
.
. tab tersex period [aw=ppopwgt] , col
```

```
+-----+
| Key      |
|-----|
| frequency |
| column percentage |
+-----+
```

		period		
tersex		0	1	Total
1		504.229092	6,632.206	7,136.435
		48.40	40.35	40.83
2		320.245513	4,152.368	4,472.614
		30.74	25.26	25.59
11		138.63478	2,945.114	3,083.749
		13.31	17.92	17.64
12		78.602383	2,707.6	2,786.202
		7.55	16.47	15.94
Total		1,041.712	16,437.29	17,479
		100.00	100.00	100.00

```
. tab tersex period [aw=ppopwgt*rw1] , col
```

```
+-----+
| Key      |
|-----|
| frequency |
| column percentage |
+-----+
```

```
| period
```

tersex	period		Total
	0	1	
1	3,526.261	3,526.261	7,052.522
	40.35	40.35	40.35
2	2,207.761	2,207.762	4,415.523
	25.26	25.26	25.26
11	1,565.88	1,565.88	3,131.7605
	17.92	17.92	17.92
12	1,439.597	1,439.597	2,879.194
	16.47	16.47	16.47
Total	8,739.5	8,739.5	17,479
	100.00	100.00	100.00

```
. tab tersex period [aw=ppopwgt*rw2] , col
```

```
+-----+
| Key    |
|-----|
| frequency |
| column percentage |
+-----+
```

tersex	period		Total
	0	1	
1	3,512.607	3,600.857	7,113.465
	41.08	40.35	40.71
2	2,167.377	2,254.466	4,421.843
	25.35	25.26	25.31
11	1,557.947	1,599.006	3,156.953
	18.22	17.92	18.07
12	1,311.6882	1,470.051	2,781.739
	15.34	16.47	15.92
Total	8,549.62	8,924.38	17,474
	100.00	100.00	100.00

```
. tab indal period [aw=ppopwgt] , col
```

```
+-----+
| Key    |
|-----|
| frequency |
| column percentage |
+-----+
```

industry (3-category recode), main job	period		Total
	0	1	

[1]agriculture	68.00967	499.197008	567.20668
	6.53	3.04	3.25
-----+			
[2]industry	381.48857	4,878.046	5,259.535
	36.62	29.68	30.09
-----+			
[3]services	592.21353	11,060.05	11,652.26
	56.85	67.29	66.66
-----+			
Total	1,041.712	16,437.29	17,479
	100.00	100.00	100.00

```
. tab indal period [aw=ppopwgt*rw1] , col
```

```
+-----+
| Key      |
|-----|
| frequency|
| column percentage|
+-----+
```

industry (3-category recode), main job	period		
	0	1	Total
-----+			
[1]agriculture	477.9441	265.41678	743.360886
	5.47	3.04	4.25
-----+			
[2]industry	2,897.825	2,593.596	5,491.421
	33.16	29.68	31.42
-----+			
[3]services	5,363.731	5,880.487	11,244.218
	61.37	67.29	64.33
-----+			
Total	8,739.5	8,739.5	17,479
	100.00	100.00	100.00

```
. tab indal period [aw=ppopwgt*rw2] , col
```

```
+-----+
| Key      |
|-----|
| frequency|
| column percentage|
+-----+
```

industry (3-category recode), main job	period		
	0	1	Total
-----+			
[1]agriculture	249.69093	271.03156	520.72249
	2.92	3.04	2.98
-----+			
[2]industry	2,699.517	2,648.462	5,347.9796
	31.57	29.68	30.61
-----+			
[3]services	5,600.412	6,004.886	11,605.3
	65.50	67.29	66.41
-----+			

Total		8,549.62	8,924.38		17,474
		100.00	100.00		100.00

```
. tab indal period if tersex==1 [aw=ppopwgt*rw2] , col
```

```
+-----+
| Key    |
|-----|
| frequency |
| column percentage |
+-----+
```

industry (3-category recode), main job	period		
	0	1	Total
[1]agriculture	153.49023	171.42634	324.91657
	4.39	4.79	4.59
[2]industry	1,682.177	1,691.964	3,374.141
	48.14	47.23	47.68
[3]services	1,658.934	1,719.009	3,377.943
	47.47	47.98	47.73
Total	3,494.601	3,582.399	7,077
	100.00	100.00	100.00

```
.
. * Period 0 inequality
. sgini capearn if period==0 [aw=ppopwgt]
```

Gini coefficient for capearn

```
-----
Variable | v=2
-----+-----
capearn | 0.4231
-----
```

```
. * Period 0 inequality if gender and education of period 1 (what is held fixed is within group inequality)
. sgini capearn if period==0 [aw=ppopwgt*rw1]
```

Gini coefficient for capearn

```
-----
Variable | v=2
-----+-----
capearn | 0.4264
-----
```

```
. * Period 0 inequality if gender and education and industry and age etc. of period 1 (what is held fixed is within group inequality)
. sgini capearn if period==0 [aw=ppopwgt*rw2]
```

Gini coefficient for capearn

```
-----
```



```

Variable |      v=2
-----+-----
capearn |    0.4265
-----+-----

```

```

. * Period 1 inequality
. sgini capearn if period==1 [aw=ppopwgt]

```

Gini coefficient for capearn

```

-----+-----
Variable |      v=2
-----+-----
capearn |    0.3012
-----+-----

```

```

.
. // distribution regression -- illustration using quantile regression
. // use the -counterfactual- command:
. counterfactual capearn fnonter fter mter `covariatesnoi' [aw=ppopwgt] , group(period) noboot method(lpm)

```

```

Conditional model                linear probability model
Number of regressions estimated   98

```

The variance has not been computed.
Do not turn the option boot off if you want to compute it.

```

No. of obs. in the reference group   462
No. of obs. in the counterfactual group 16000

```

Quantile Treatment Effects

```

-----+-----
Quantile |      QTE      Pointwise      Pointwise      Functional
          |           Std. Err. [95% Conf. Interval] [95% Conf. Interval]
-----+-----
.1        |   338.772      .              .              .              .
.2        |   354.182      .              .              .              .
.3        |   588.992      .              .              .              .
.4        |   955.609      .              .              .              .
.5        |   843.412      .              .              .              .
.6        |   691.163      .              .              .              .
.7        |  1372.71       .              .              .              .
.8        |  2091.52       .              .              .              .
.9        |  1986.92       .              .              .              .
-----+-----

```

```

.
. // quantile regression:
. preserve

. foreach quant of numlist 1(2)99 {
2. quietly qreg lncapearn `covariates' [pw=ppopwgt] if period==0 , quantile(`quant')
3. qui predict lnq_0_`quant' // predict for both period 0 and 1 !
4. qui gen q_0_`quant' = exp(lnq_0_`quant')
5.
. quietly qreg lncapearn `covariates' [pw=ppopwgt] if period==1 , quantile(`quant')

```

```

6. qui predict lnq_1_`quant'
7. qui gen q_1_`quant' = exp(lnq_1_`quant')
8. }

.

. keep upid q* period ppopwgt

. reshape long q_0_ q_1_ , i(upid period) j(quant)
(note: j = 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69
71 73 75 77 79 81 83 85 87 89 91 93 95 97 99)

```

```

Data                                wide  ->  long
-----
Number of obs.                      17479  ->  873950
Number of variables                   103    ->      6
j variable (50 values)                ->  quant
xij variables:
      q_0_1 q_0_3 ... q_0_99  ->  q_0_
      q_1_1 q_1_3 ... q_1_99  ->  q_1_
-----

```

```

. reshape error
(note: j = 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69
71 73 75 77 79 81 83 85 87 89 91 93 95 97 99)
quant is unique within upid period and
all the "reshape xi" variables are constant within quant;
there is no error with which "reshape error" can help.

```

```

. sample 50
(436,975 observations deleted)

```

```

. sgini q_0_ if period==0 [aw=ppopwgt]

```

Gini coefficient for q_0_

```

-----
Variable |      v=2
-----+-----
q_0_    |    0.4139
-----

```

```

. sgini q_0_ if period==1 [aw=ppopwgt]

```

Gini coefficient for q_0_

```

-----
Variable |      v=2
-----+-----
q_0_    |    0.4147
-----

```

```

. sgini q_1_ if period==0 [aw=ppopwgt]

```

Gini coefficient for q_1_

```

-----
Variable |      v=2
-----+-----

```

```
-----+-----
      q_1_ |    0.3047
-----+-----
```

```
. sgini q_1_ if period==1 [aw=ppopwgt]
```

```
Gini coefficient for q_1_
```

```
-----+-----
      Variable |      v=2
-----+-----
      q_1_ |    0.2989
-----+-----
```

```
. restore
```

```
.
```

```
. // Singh-Maddala model:
```

```
. preserve
```

```
.
```

```
. smfit capearn [aw=ppopwgt] if period==0 , a(fnonter fter mter) b(`covariatesnoi') itera(50)
```

```
initial:      log likelihood =      -<inf> (could not be evaluated)
feasible:      log likelihood = -5819.9998
rescale:      log likelihood = -5694.2046
rescale eq:    log likelihood = -4810.1498
Iteration 0:    log likelihood = -4810.1498
Iteration 1:    log likelihood = -4734.328
Iteration 2:    log likelihood = -4590.4611
Iteration 3:    log likelihood = -4581.9462
Iteration 4:    log likelihood = -4569.3106
Iteration 5:    log likelihood = -4564.9869
Iteration 6:    log likelihood = -4564.6775
Iteration 7:    log likelihood = -4564.6759
Iteration 8:    log likelihood = -4564.6759
```

```
ML fit of Singh-Maddala distribution      Number of obs   =      462
                                           Wald chi2(3)      =      24.07
Log likelihood = -4564.6759               Prob > chi2       =      0.0000
```

```
-----+-----
      capearn |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
a
      fnonter |   -.4616451   .2533934    -1.82   0.068    - .958287   .0349969
        fter |   -.7377449   .355477    -2.08   0.038    -1.434467  -.0410228
        mter |   -1.181195   .2409233    -4.90   0.000    -1.653396  -.7089943
        _cons |    2.866497   .2024387    14.16   0.000     2.469724   3.263269
-----+-----
b
      age |    410.5409   264.5737     1.55   0.121    -108.014   929.0958
      age2 |   -4.212473   2.953135    -1.43   0.154    -10.00051   1.575566
      ptime1 |  -3687.296   584.6024    -6.31   0.000   -4833.096  -2541.496
      dinda12 |  3560.022   654.3701     5.44   0.000    2277.48   4842.564
      dinda13 |  2521.336   559.3448     4.51   0.000    1425.041   3617.632
        _cons |  -4445.42   5753.889    -0.77   0.440   -15722.84   6831.995
```

```

-----+-----
q      |
      _cons |    1.112705    .1692871    6.57    0.000    .7809086    1.444502
-----+-----

```

```

. predict double a0, eq(a) xb

. predict double b0, eq(b) xb
(327 missing values generated)

. predict double q0, eq(q) xb

. smfit capearn [aw=ppopwgt] if period==1 , a(fnonter fter mter ) b(`covariatesnoi') itera(50)

```

```

initial:      log likelihood =      -<inf> (could not be evaluated)
feasible:      log likelihood =  -218180.2
rescale:      log likelihood = -211110.37
rescale eq:    log likelihood = -179635.72
Iteration 0:   log likelihood = -179635.72
Iteration 1:   log likelihood = -168706.67
Iteration 2:   log likelihood = -167907.84
Iteration 3:   log likelihood = -167310.44
Iteration 4:   log likelihood = -167257.01
Iteration 5:   log likelihood = -167168.71
Iteration 6:   log likelihood = -167023.53
Iteration 7:   log likelihood = -166627.06
Iteration 8:   log likelihood = -166468.43
Iteration 9:   log likelihood = -166351.33
Iteration 10:  log likelihood = -166282.94
Iteration 11:  log likelihood = -166237.35
Iteration 12:  log likelihood = -166208.48
Iteration 13:  log likelihood = -166188.24
Iteration 14:  log likelihood = -166173.72
Iteration 15:  log likelihood = -166164.21
Iteration 16:  log likelihood = -166157.99
Iteration 17:  log likelihood = -166150.58
Iteration 18:  log likelihood = -166146.73
Iteration 19:  log likelihood = -166143.27
Iteration 20:  log likelihood = -166141.51
Iteration 21:  log likelihood = -166138.55
Iteration 22:  log likelihood = -166137.66
Iteration 23:  log likelihood = -166135.32
Iteration 24:  log likelihood = -166134.71
Iteration 25:  log likelihood = -166133.9
Iteration 26:  log likelihood = -166133.44
Iteration 27:  log likelihood = -166133.14
Iteration 28:  log likelihood = -166132.84
Iteration 29:  log likelihood = -166132.72
Iteration 30:  log likelihood = -166132.49
Iteration 31:  log likelihood = -166132.32
Iteration 32:  log likelihood = -166132.3
Iteration 33:  log likelihood = -166132.27
Iteration 34:  log likelihood = -166132.27
Iteration 35:  log likelihood = -166132.27
Iteration 36:  log likelihood = -166132.27
Iteration 37:  log likelihood = -166132.27 (backed up)
Iteration 38:  log likelihood = -166132.27 (backed up)

```

```

Iteration 39: log likelihood = -166132.27 (backed up)
Iteration 40: log likelihood = -166132.27 (backed up)
Iteration 41: log likelihood = -166132.27 (backed up)
Iteration 42: log likelihood = -166132.27 (backed up)
Iteration 43: log likelihood = -166132.27 (backed up)
Iteration 44: log likelihood = -166132.27 (backed up)
Iteration 45: log likelihood = -166132.27 (backed up)
Iteration 46: log likelihood = -166132.27 (backed up)
Iteration 47: log likelihood = -166132.27 (backed up)
Iteration 48: log likelihood = -166132.27 (backed up)
Iteration 49: log likelihood = -166132.27 (backed up)
Iteration 50: log likelihood = -166132.27 (backed up)
convergence not achieved

```

```

ML fit of Singh-Maddala distribution      Number of obs   =      16000
                                         Wald chi2(3)     =      138.79
Log likelihood = -166132.27             Prob > chi2      =      0.0000

```

	capearn	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
a							
	fnonter	-.2046752	.0181529	-11.28	0.000	-.2402541	-.1690962
	fter	.1521232	.0148799	10.22	0.000	.122959	.1812873
	mter	.2924795	.0287601	10.17	0.000	.2361107	.3488482
	_cons	2.211115	.013166	167.94	0.000	2.18531	2.236919
b							
	age	22379.53	6929.038	3.23	0.001	8798.863	35960.19
	age2	-183.1978	60.29367	-3.04	0.002	-301.3712	-65.02441
	ptime1	-196465.2	58640.14	-3.35	0.001	-311397.8	-81532.64
	dinda12	153823.2	45835.91	3.36	0.001	63986.49	243660
	dinda13	179664.2	52829.03	3.40	0.001	76121.16	283207.2
	_cons	-136888.6	68635.23	-1.99	0.046	-271411.2	-2366.051
q							
	_cons	2084.988	1352.663	1.54	0.123	-566.1826	4736.158

```

. predict double a1, eq(a) xb

. predict double b1, eq(b) xb
(327 missing values generated)

. predict double q1, eq(q) xb

. foreach quant of numlist 2(2)98 {
2. loc p = `quant' / 100
3. qui gen q_0_`quant' = b0*((1-`p')^(-1/q0) - 1)^(1/a0)
4. qui gen q_1_`quant' = b1*((1-`p')^(-1/q1) - 1)^(1/a1)
5. }

. keep upid q* period ppopwgt

. reshape long q_0_ q_1_ , i(upid period) j(quant)
(note: j = 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70
72 74 76 78 80 82 84 86 88 90 92 94 96 98)

```

```

Data                                wide  ->  long
-----
Number of obs.                      17479 -> 856471
Number of variables                  103  ->      8
j variable (49 values)              ->  quant
xij variables:
      q_0_2 q_0_4 ... q_0_98 ->  q_0_
      q_1_2 q_1_4 ... q_1_98 ->  q_1_
-----

```

```

. sample 50
(428,235 observations deleted)

. sgini q_0_ if period==0 [aw=ppopwgt]

```

Gini coefficient for q_0_

```

-----
Variable |      v=2
-----+-----
q_0_ |    0.3819
-----

```

```

. sgini q_0_ if period==1 [aw=ppopwgt]

```

Gini coefficient for q_0_

```

-----
Variable |      v=2
-----+-----
q_0_ |    0.3867
-----

```

```

. sgini q_1_ if period==0 [aw=ppopwgt]

```

Gini coefficient for q_1_

```

-----
Variable |      v=2
-----+-----
q_1_ |    0.3114
-----

```

```

. sgini q_1_ if period==1 [aw=ppopwgt]

```

Gini coefficient for q_1_

```

-----
Variable |      v=2
-----+-----
q_1_ |    0.3030
-----

```

```

. restore

```

```

.

```

.
. .
. .
. .

end of do-file