

---

Subject: Varlist not allowed

Posted by [sumonrupop](#) on Tue, 25 Jul 2017 03:52:25 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Dear All,

I am trying to do decomposition analysis using DHS data. I wrote the command given below. But when I run the program, it is stopped and shows error message "varlist not allowed". Can anyone help me please to solve this problem?

```
//use cdelivery_decomposfinal, clear
**concentration index_corrected version
egen raw_rank= rank(quintile), unique
sort raw_rank
quietly sum v005
gen wi=v005/r(sum)
gen cusum=sum(wi)
gen wj=cusum[_n-1]
replace wj=0 if wj==.
gen rank=wj+0.05*wi
//drop raw_rank wi cumsum wj

qui sum m17_1[aw=v005]
scalar mean= r(mean)
cor m17_1 rank [aw=v005], c
sca c=(2/mean)*r(cov_12)
sca list c
sca CI=8*r(cov_12)
//sca list c
display "concentration index by convenient covariance method", CI

**Computing the semi-elasticities, CI and contributions of each factor
//clear matrix
global X "quintile1 quintile2 quintile3 quintile4 quintile5 resd1 resd2"
qui regress m17_1 $X [pw=v005]
***decomposition start here
foreach x of global X {
  qui {
    sca b_'x'=_b['x']
    corr rank 'x' [pw=v005], c
    sca cov_'x'=r(cov_12)
    sum 'x' [pw=v005]
    sca elas_'x'=(b_'x'*r(mean))/m_y
    sca CI_'x'=2*cov_'x'/r(mean)
    sca con_'x'= elas_'x'*CI_'x'
    sca prcnt_'x'= con_'x'/CI
  }
  di "'x' elasticity:", elas_'x'
  di "'x' concentration index:'", CI_'x'
```

```
di "'x' contribution:", con_'x'  
di "'x' percentage contribution:", prcnt_'x'  
}
```

Thanks in advance

---

---

Subject: Re: Varlist not allowed

Posted by [Bridgette-DHS](#) on Tue, 25 Jul 2017 12:05:29 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Following is a response from Senior DHS Stata Specialist, Tom Pullum:

DHS staff will not help with this kind of question. I hope that other forum users will come to the rescue.

---

---

Subject: Re: Varlist not allowed

Posted by [schoumaker](#) on Tue, 25 Jul 2017 13:38:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

you should type "set trace on" and run your program again to identify precisely where the program stops.

Best,  
Bruno

---