GD: Group difference computations in Stata

# Overview started 2007-03-10

Note: For development, programs use GD for group difference. When structure is set, use GC for group comparison

## Globals

$gd\_grvar name of group var

$gd\_gr0nm name for value 0 of group

$gd\_gr1nm name for value 1 of group

$gd\_gr0let letter for value 0 of group (assume A)

$gd\_gr1let letter for value 1 of group (assume B)

$gd\_xmn string of v1=mnv1 v2=mnv2 …

$gd\_x0mn string of A\_v1

## Programs

### gdset – create globals used by other programs

gdset, grvar(name) gr1nm(name of group 0) gr0nm(name of group 1)

gr0let(letter for group 0) gr1let(letter for group 1)

Creates

$gd\_grvar name of group var

$gd\_gr0nm name for value 0 of group

$gd\_gr1nm name for value 1 of group

$gd\_gr0let letter for group 0 (takes letter and followed by 0)

f0

$gd\_gr1let letter for group 1

m1

### gdxi – create interaction variables

gdxi <vars>

use the gdset variable to create interactions

For example, if gd1let is f and gd0let is m

m\_x = (gdvar==1)

### gdxis – create global strings with x() specifications

gdxis <vars>

options:

noesample: do not select on estimation sample

svy : use survey means

gr1 : xis for group 1 interactoins

gr0 : xis for group 0 interactions

within : within group means

Globals

gdxis global means for noninteractions

gd0xis group 0 xis with global means

gd1xis group 1 xis

gd0xis0mn use group 0 means

gd1xis1mn use group 1 means

### gdaccum1 – accumulate predictions to matrix

### gdprvalue1 – compute prvalue across groups

g1xis()

g0xis()

debug

# 2007-03-22 – after meeting with tait

1) SHe will plan how to add controls for gdxis

2) rename gdprvalue to gdprdif

3) Add gdprdif, labsave() and labcur()

4) gdxis, detail shyoud indicate svy and weight

5) gdxis, svy error if not logit first

6) How to print without bounds

7) rename gdgenint to just gdgen

## 2007-03-25

Allow some way to let gdxis to control the level of other variables.

Add gdxis [if] [in], label(xxxx) that is put in $gdlabel

# 2008-01-24: Restart work on GD commands

## gdxis2.ado version \*! gdxis2 0.2.2 2008-01-25 > get rounding?

Rounds values includes in strings to be passed to x()

## 2008-01-26

Do files cleaned up and hlp files updated.