```
-------------------------------------------------------------------------------
-------------------------------------------------------------
      name:  <unnamed>
       log:  C:\Users\ids29\Documents\Stata\Taxes_Aggregated_Calorie_Results.log
  log type:  text
 opened on:  16 Nov 2012, 11:40:21

.
.
.
. foreach var of varlist PINCBAD- CHL001BAD {
  2.
. display "-------------------------- `var' --------------------"
  3.
. signtest a_`var' = b_`var' if Calorie==1
  4.
. }
--------------------------- PINCBAD --------------------

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |           6        33.5
    negative |          61        33.5
        zero |           0           0
-------------+------------------------
         all |          67          67

One-sided tests:
  Ho: median of a_PINCBAD - b_PINCBAD  = 0 vs.
  Ha: median of a_PINCBAD - b_PINCBAD  > 0
      Pr(#positive >= 6) =
         Binomial(n = 67, x >= 6, p = 0.5) =  1.0000

  Ho: median of a_PINCBAD - b_PINCBAD  = 0 vs.
  Ha: median of a_PINCBAD - b_PINCBAD  < 0
      Pr(#negative >= 61) =
         Binomial(n = 67, x >= 61, p = 0.5) =  0.0000

Two-sided test:
  Ho: median of a_PINCBAD - b_PINCBAD  = 0 vs.
  Ha: median of a_PINCBAD - b_PINCBAD  != 0
      Pr(#positive >= 61 or #negative >= 61) =
         min(1, 2*Binomial(n = 67, x >= 61, p = 0.5)) =  0.0000
--------------------------- PINCGOOD --------------------

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |           7           8
    negative |           9           8
        zero |           0           0
-------------+------------------------
         all |          16          16

One-sided tests:
  Ho: median of a_PINCGOOD - b_PINCGOOD  = 0 vs.
  Ha: median of a_PINCGOOD - b_PINCGOOD  > 0
      Pr(#positive >= 7) =
         Binomial(n = 16, x >= 7, p = 0.5) =  0.7728

  Ho: median of a_PINCGOOD - b_PINCGOOD  = 0 vs.
  Ha: median of a_PINCGOOD - b_PINCGOOD  < 0
      Pr(#negative >= 9) =
         Binomial(n = 16, x >= 9, p = 0.5) =  0.4018
```

```
Two-sided test:
  Ho: median of a_PINCGOOD - b_PINCGOOD  = 0 vs.
  Ha: median of a_PINCGOOD - b_PINCGOOD  != 0
      Pr(#positive >= 9 or #negative >= 9) =
         min(1, 2*Binomial(n = 16, x >= 9, p = 0.5)) =  0.8036
--------------------------- ININCBAD ---------------------

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |           0           0
    negative |           0           0
        zero |           0           0
-------------+------------------------
         all |           0           0

One-sided tests:
  Ho: median of a_ININCBAD - b_ININCBAD  = 0 vs.
  Ha: median of a_ININCBAD - b_ININCBAD  > 0
      Pr(#positive >= 0) =
         Binomial(n = 0, x >= 0, p = 0.5) =  1.0000

  Ho: median of a_ININCBAD - b_ININCBAD  = 0 vs.
  Ha: median of a_ININCBAD - b_ININCBAD  < 0
      Pr(#negative >= 0) =
         Binomial(n = 0, x >= 0, p = 0.5) =  1.0000

Two-sided test:
  Ho: median of a_ININCBAD - b_ININCBAD  = 0 vs.
  Ha: median of a_ININCBAD - b_ININCBAD  != 0
      Pr(#positive >= 0 or #negative >= 0) =
         min(1, 2*Binomial(n = 0, x >= 0, p = 0.5)) =  1.0000
-------------------------- ININCGOOD ---------------------

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |           0           0
    negative |           0           0
        zero |           0           0
-------------+------------------------
         all |           0           0

One-sided tests:
  Ho: median of a_ININCG~D - b_ININCGOOD  = 0 vs.
  Ha: median of a_ININCG~D - b_ININCGOOD  > 0
      Pr(#positive >= 0) =
         Binomial(n = 0, x >= 0, p = 0.5) =  1.0000

  Ho: median of a_ININCG~D - b_ININCGOOD  = 0 vs.
  Ha: median of a_ININCG~D - b_ININCGOOD  < 0
      Pr(#negative >= 0) =
         Binomial(n = 0, x >= 0, p = 0.5) =  1.0000

Two-sided test:
  Ho: median of a_ININCG~D - b_ININCGOOD  = 0 vs.
  Ha: median of a_ININCG~D - b_ININCGOOD  != 0
      Pr(#positive >= 0 or #negative >= 0) =
         min(1, 2*Binomial(n = 0, x >= 0, p = 0.5)) =  1.0000
--------------------------- BWINCBAD ---------------------

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |           9         8.5
```

```
    negative |           8         8.5
        zero |           1           1
-------------+------------------------
         all |          18          18

One-sided tests:
  Ho: median of a_BWINCBAD - b_BWINCBAD  = 0 vs.
  Ha: median of a_BWINCBAD - b_BWINCBAD  > 0
      Pr(#positive >= 9) =
         Binomial(n = 17, x >= 9, p = 0.5) =  0.5000

  Ho: median of a_BWINCBAD - b_BWINCBAD  = 0 vs.
  Ha: median of a_BWINCBAD - b_BWINCBAD  < 0
      Pr(#negative >= 8) =
         Binomial(n = 17, x >= 8, p = 0.5) =  0.6855

Two-sided test:
  Ho: median of a_BWINCBAD - b_BWINCBAD  = 0 vs.
  Ha: median of a_BWINCBAD - b_BWINCBAD  != 0
      Pr(#positive >= 9 or #negative >= 9) =
         min(1, 2*Binomial(n = 17, x >= 9, p = 0.5)) =  1.0000
--------------------------- CHL001BAD ----------------------

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |           2           1
    negative |           0           1
        zero |           0           0
-------------+------------------------
         all |           2           2

One-sided tests:
  Ho: median of a_CHL001~D - b_CHL001BAD  = 0 vs.
  Ha: median of a_CHL001~D - b_CHL001BAD  > 0
      Pr(#positive >= 2) =
         Binomial(n = 2, x >= 2, p = 0.5) =  0.2500

  Ho: median of a_CHL001~D - b_CHL001BAD  = 0 vs.
  Ha: median of a_CHL001~D - b_CHL001BAD  < 0
      Pr(#negative >= 0) =
         Binomial(n = 2, x >= 0, p = 0.5) =  1.0000

Two-sided test:
  Ho: median of a_CHL001~D - b_CHL001BAD  = 0 vs.
  Ha: median of a_CHL001~D - b_CHL001BAD  != 0
      Pr(#positive >= 2 or #negative >= 2) =
         min(1, 2*Binomial(n = 2, x >= 2, p = 0.5)) =  0.5000


.
.      log close
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  log type:  text
 closed on:  16 Nov 2012, 11:40:21
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