```
------------------------------------------------------------------------------
------------------------------------------------------------
      name:  <unnamed>
       log:  C:\Users\ids29\Documents\Stata\Taxes_Aggregated_Fat_Results.log
  log type:  text
 opened on:  16 Nov 2012, 11:37:08

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

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |          16          36
    negative |          56          36
        zero |          29          29
-------------+------------------------
         all |         101         101

One-sided tests:
  Ho: median of a_PINCBAD - b_PINCBAD  = 0 vs.
  Ha: median of a_PINCBAD - b_PINCBAD  > 0
      Pr(#positive >= 16) =
         Binomial(n = 72, x >= 16, p = 0.5) =  1.0000

  Ho: median of a_PINCBAD - b_PINCBAD  = 0 vs.
  Ha: median of a_PINCBAD - b_PINCBAD  < 0
      Pr(#negative >= 56) =
         Binomial(n = 72, x >= 56, 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 >= 56 or #negative >= 56) =
         min(1, 2*Binomial(n = 72, x >= 56, p = 0.5)) =  0.0000
--------------------------- PINCGOOD --------------------

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |           6        21.5
    negative |          37        21.5
        zero |           0           0
-------------+------------------------
         all |          43          43

One-sided tests:
  Ho: median of a_PINCGOOD - b_PINCGOOD  = 0 vs.
  Ha: median of a_PINCGOOD - b_PINCGOOD  > 0
      Pr(#positive >= 6) =
         Binomial(n = 43, x >= 6, p = 0.5) =  1.0000

  Ho: median of a_PINCGOOD - b_PINCGOOD  = 0 vs.
  Ha: median of a_PINCGOOD - b_PINCGOOD  < 0
      Pr(#negative >= 37) =
         Binomial(n = 43, x >= 37, p = 0.5) =  0.0000
```

```
Two-sided test:
  Ho: median of a_PINCGOOD - b_PINCGOOD  = 0 vs.
  Ha: median of a_PINCGOOD - b_PINCGOOD  != 0
      Pr(#positive >= 37 or #negative >= 37) =
         min(1, 2*Binomial(n = 43, x >= 37, p = 0.5)) =  0.0000
--------------------------- ININCBAD ---------------------

Sign test

        sign |    observed    expected
-------------+------------------------
    positive |          30          42
    negative |          54          42
        zero |           0           0
-------------+------------------------
         all |          84          84

One-sided tests:
  Ho: median of a_ININCBAD - b_ININCBAD  = 0 vs.
  Ha: median of a_ININCBAD - b_ININCBAD  > 0
      Pr(#positive >= 30) =
         Binomial(n = 84, x >= 30, p = 0.5) =  0.9970

  Ho: median of a_ININCBAD - b_ININCBAD  = 0 vs.
  Ha: median of a_ININCBAD - b_ININCBAD  < 0
      Pr(#negative >= 54) =
         Binomial(n = 84, x >= 54, p = 0.5) =  0.0058

Two-sided test:
  Ho: median of a_ININCBAD - b_ININCBAD  = 0 vs.
  Ha: median of a_ININCBAD - b_ININCBAD  != 0
      Pr(#positive >= 54 or #negative >= 54) =
         min(1, 2*Binomial(n = 84, x >= 54, p = 0.5)) =  0.0116
--------------------------- 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 |           0         3.5
```

```
    negative |          7          3.5
        zero |          0            0
-------------+-----------------------
         all |          7            7

One-sided tests:
  Ho: median of a_BWINCBAD - b_BWINCBAD  = 0 vs.
  Ha: median of a_BWINCBAD - b_BWINCBAD  > 0
      Pr(#positive >= 0) =
         Binomial(n = 7, x >= 0, p = 0.5) =  1.0000

  Ho: median of a_BWINCBAD - b_BWINCBAD  = 0 vs.
  Ha: median of a_BWINCBAD - b_BWINCBAD  < 0
      Pr(#negative >= 7) =
         Binomial(n = 7, x >= 7, p = 0.5) =  0.0078

Two-sided test:
  Ho: median of a_BWINCBAD - b_BWINCBAD  = 0 vs.
  Ha: median of a_BWINCBAD - b_BWINCBAD  != 0
      Pr(#positive >= 7 or #negative >= 7) =
         min(1, 2*Binomial(n = 7, x >= 7, p = 0.5)) =  0.0156
--------------------------- CHL001BAD ----------------------

Sign test

        sign |    observed    expected
-------------+-----------------------
    positive |          1          .5
    negative |          0          .5
        zero |          0           0
-------------+-----------------------
         all |          1           1

One-sided tests:
  Ho: median of a_CHL001~D - b_CHL001BAD  = 0 vs.
  Ha: median of a_CHL001~D - b_CHL001BAD  > 0
      Pr(#positive >= 1) =
         Binomial(n = 1, x >= 1, p = 0.5) =  0.5000

  Ho: median of a_CHL001~D - b_CHL001BAD  = 0 vs.
  Ha: median of a_CHL001~D - b_CHL001BAD  < 0
      Pr(#negative >= 0) =
         Binomial(n = 1, 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 >= 1 or #negative >= 1) =
         min(1, 2*Binomial(n = 1, x >= 1, p = 0.5)) =  1.0000

.
.      log close
      name:  <unnamed>
       log:  C:\Users\ids29\Documents\Stata\Taxes_Aggregated_Fat_Results.log
  log type:  text
 closed on:  16 Nov 2012, 11:37:08
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