

8_Aggregate-level-B_Snack-Tax_Results

```

name: <unnamed>
log: C:\Users\ids29\Documents\Stata\Taxes_Aggregated_Snack_Results.log
log type: text
opened on: 16 Nov 2012, 11:42:27

```

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

```

Sign test

sign	observed	expected
positive	4	29
negative	54	29
zero	0	0
all	58	58

One-sided tests:

Ho: median of a_PINCBAD - b_PINCBAD = 0 vs.
Ha: median of a_PINCBAD - b_PINCBAD > 0
Pr(#positive >= 4) =
Binomial(n = 58, x >= 4, p = 0.5) = 1.0000

Ho: median of a_PINCBAD - b_PINCBAD = 0 vs.
Ha: median of a_PINCBAD - b_PINCBAD < 0
Pr(#negative >= 54) =
Binomial(n = 58, x >= 54, 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 >= 54 or #negative >= 54) =
min(1, 2*Binomial(n = 58, x >= 54, p = 0.5)) = 0.0000

----- PINCGOOD -----

Sign test

sign	observed	expected
positive	0	0
negative	0	0
zero	0	0
all	0	0

One-sided tests:

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

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

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Two-sided test:

Ho: median of a_PINCGOOD - b_PINCGOOD = 0 vs.
 Ha: median of a_PINCGOOD - b_PINCGOOD != 0
 Pr(#positive >= 0 or #negative >= 0) =
 min(1, 2*Binomial(n = 0, x >= 0, p = 0.5)) = 1.0000
 ----- ININCBAD -----

Sign test

sign	observed	expected
positive	0	6
negative	12	6
zero	0	0
all	12	12

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 = 12, 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 >= 12) =
 Binomial(n = 12, x >= 12, p = 0.5) = 0.0002

Two-sided test:

Ho: median of a_ININCBAD - b_ININCBAD = 0 vs.
 Ha: median of a_ININCBAD - b_ININCBAD != 0
 Pr(#positive >= 12 or #negative >= 12) =
 min(1, 2*Binomial(n = 12, x >= 12, p = 0.5)) = 0.0005
 ----- 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	1	7.5

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negative	14	7.5
zero	0	0
all	15	15

One-sided tests:

Ho: median of a_BWINCBAD - b_BWINCBAD = 0 vs.
 Ha: median of a_BWINCBAD - b_BWINCBAD > 0
 Pr(#positive >= 1) =
 Binomial(n = 15, x >= 1, p = 0.5) = 1.0000

Ho: median of a_BWINCBAD - b_BWINCBAD = 0 vs.
 Ha: median of a_BWINCBAD - b_BWINCBAD < 0
 Pr(#negative >= 14) =
 Binomial(n = 15, x >= 14, p = 0.5) = 0.0005

Two-sided test:

Ho: median of a_BWINCBAD - b_BWINCBAD = 0 vs.
 Ha: median of a_BWINCBAD - b_BWINCBAD != 0
 Pr(#positive >= 14 or #negative >= 14) =
 min(1, 2*Binomial(n = 15, x >= 14, p = 0.5)) = 0.0010
 ----- CHL001BAD -----

Sign test

sign	observed	expected
positive	0	0
negative	0	0
zero	0	0
all	0	0

One-sided tests:

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

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

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