

10_Aggregate-level-B_Sugar-Tax_Results

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name: <unnamed>
log: C:\Users\ids29\Documents\Stata\Taxes_Aggregated_Sugar_Results.log
log type: text
opened on: 16 Nov 2012, 11:45:57

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

```

Sign test

sign	observed	expected
positive	3	4
negative	5	4
zero	0	0
all	8	8

One-sided tests:

Ho: median of a_PINCBAD - b_PINCBAD = 0 vs.
 Ha: median of a_PINCBAD - b_PINCBAD > 0
 Pr(#positive >= 3) =
 Binomial(n = 8, x >= 3, p = 0.5) = 0.8555

Ho: median of a_PINCBAD - b_PINCBAD = 0 vs.
 Ha: median of a_PINCBAD - b_PINCBAD < 0
 Pr(#negative >= 5) =
 Binomial(n = 8, x >= 5, p = 0.5) = 0.3633

Two-sided test:

Ho: median of a_PINCBAD - b_PINCBAD = 0 vs.
 Ha: median of a_PINCBAD - b_PINCBAD != 0
 Pr(#positive >= 5 or #negative >= 5) =
 min(1, 2*Binomial(n = 8, x >= 5, p = 0.5)) = 0.7266

----- PINCGOOD -----

Sign test

sign	observed	expected
positive	4	2
negative	0	2
zero	0	0
all	4	4

One-sided tests:

Ho: median of a_PINCGOOD - b_PINCGOOD = 0 vs.
 Ha: median of a_PINCGOOD - b_PINCGOOD > 0
 Pr(#positive >= 4) =
 Binomial(n = 4, x >= 4, p = 0.5) = 0.0625

Ho: median of a_PINCGOOD - b_PINCGOOD = 0 vs.
 Ha: median of a_PINCGOOD - b_PINCGOOD < 0
 Pr(#negative >= 0) =
 Binomial(n = 4, x >= 0, p = 0.5) = 1.0000

10_Aggregate-level-B_Sugar-Tax_Results

Two-sided test:

Ho: median of a_PINCGOOD - b_PINCGOOD = 0 vs.
 Ha: median of a_PINCGOOD - b_PINCGOOD != 0
 Pr(#positive >= 4 or #negative >= 4) =
 min(1, 2*Binomial(n = 4, x >= 4, p = 0.5)) = 0.1250
 ----- ININCBAD -----

Sign test

sign	observed	expected
positive	14	20.5
negative	27	20.5
zero	1	1
all	42	42

One-sided tests:

Ho: median of a_ININCBAD - b_ININCBAD = 0 vs.
 Ha: median of a_ININCBAD - b_ININCBAD > 0
 Pr(#positive >= 14) =
 Binomial(n = 41, x >= 14, p = 0.5) = 0.9862

 Ho: median of a_ININCBAD - b_ININCBAD = 0 vs.
 Ha: median of a_ININCBAD - b_ININCBAD < 0
 Pr(#negative >= 27) =
 Binomial(n = 41, x >= 27, p = 0.5) = 0.0298

Two-sided test:

Ho: median of a_ININCBAD - b_ININCBAD = 0 vs.
 Ha: median of a_ININCBAD - b_ININCBAD != 0
 Pr(#positive >= 27 or #negative >= 27) =
 min(1, 2*Binomial(n = 41, x >= 27, p = 0.5)) = 0.0596
 ----- 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	0

10_Aggregate-level-B_Sugar-Tax_Results		
negative	0	0
zero	0	0

all	0	0

One-sided tests:

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

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

Two-sided test:

Ho: median of a_BWNCBAD - b_BWNCBAD = 0 vs.
 Ha: median of a_BWNCBAD - b_BWNCBAD != 0
 Pr(#positive >= 0 or #negative >= 0) =
 min(1, 2*Binomial(n = 0, x >= 0, p = 0.5)) = 1.0000
 ----- 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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. log close
name: <unnamed>
log: C:\Users\ids29\Documents\Stata\Taxes_Aggregated_Sugar_Results.log
log type: text
closed on: 16 Nov 2012, 11:45:58
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