

18_Aggregate-level-B_Specific-Nutrients-Subsidy_Results

```
-----  
  name: <unnamed>  
  log: C:\Users\Public\Documents\Ian Shemilt\Taxes and  
Subsidies\Subsidies_Aggregated_Specific-Nutrients_Results.log  
  log type: text  
  opened on: 16 Nov 2012, 12:04:54  
  
. .  
. foreach var of varlist PINCBAD- BWINCBAD {  
  2.  
. display "----- `var' -----"  
  3.  
. signtest a_`var' = b_`var' if Nutrients==1  
  4.  
. }  
----- PINCBAD -----
```

Sign test

sign	observed	expected
positive	8	8.5
negative	9	8.5
zero	0	0
all	17	17

One-sided tests:

Ho: median of a_PINCBAD - b_PINCBAD = 0 vs.
Ha: median of a_PINCBAD - b_PINCBAD > 0
Pr(#positive >= 8) =
Binomial(n = 17, x >= 8, p = 0.5) = 0.6855

Ho: median of a_PINCBAD - b_PINCBAD = 0 vs.
Ha: median of a_PINCBAD - b_PINCBAD < 0
Pr(#negative >= 9) =
Binomial(n = 17, x >= 9, p = 0.5) = 0.5000

Two-sided test:

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

```
----- PINCGOOD -----
```

Sign test

sign	observed	expected
positive	5	2.5
negative	0	2.5
zero	0	0
all	5	5

One-sided tests:

Ho: median of a_PINCGOOD - b_PINCGOOD = 0 vs.
Ha: median of a_PINCGOOD - b_PINCGOOD > 0
Pr(#positive >= 5) =
Binomial(n = 5, x >= 5, p = 0.5) = 0.0313

Ho: median of a_PINCGOOD - b_PINCGOOD = 0 vs.
Ha: median of a_PINCGOOD - b_PINCGOOD < 0
Pr(#negative >= 0) =
Binomial(n = 5, 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 >= 5 or #negative >= 5) =
min(1, 2*Binomial(n = 5, x >= 5, p = 0.5)) = 0.0625
----- ININCBAD -----

Sign test

sign	observed	expected
positive	20	20
negative	20	20
zero	2	2
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 >= 20) =
Binomial(n = 40, x >= 20, p = 0.5) = 0.5627

Ho: median of a_ININCBAD - b_ININCBAD = 0 vs.
Ha: median of a_ININCBAD - b_ININCBAD < 0
Pr(#negative >= 20) =
Binomial(n = 40, x >= 20, p = 0.5) = 0.5627

Two-sided test:

Ho: median of a_ININCBAD - b_ININCBAD = 0 vs.
Ha: median of a_ININCBAD - b_ININCBAD != 0
Pr(#positive >= 20 or #negative >= 20) =
min(1, 2*Binomial(n = 40, x >= 20, p = 0.5)) = 1.0000
----- BWINCBAD -----

Sign test

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

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 = 0, 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 >= 0) =
Binomial(n = 0, x >= 0, p = 0.5) = 1.0000

Two-sided test:

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

: log close
name: <unnamed>
log: C:\Users\Public\Documents\Ian Shemilt\Taxes and
Subsidies\Subsidies_Aggregated_Specific-Nutrients_Results.log

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