

hypothesis_t_test.log

Log: c:\NHANES\log\hypothesis_t_test.log
 Log type: text
 opened on: 5 Aug 2008, 08:27:52

****specify survey design variables****
 . svyset [w=wtmec4yr], psu(sdmvpsu) strata(sdmvstra) vce(linearized)
 (sampling weights assumed)

pweight: wtmec4yr
 VCE: linearized
 Single unit: missing
 Strata 1: sdmvstra
 SU 1: sdmvpsu
 FPC 1: <zero>

. svy: mean bpxsar, subpop(if rldageyr>=20 & rldageyr<.)
 (running mean on estimation sample)

Survey: Mean estimation

Number of strata =	28	Number of obs =	15052
Number of PSUs =	57	Population size =	237466080
		Subpop. no. obs =	9056
		Subpop. size =	191104182
		Design df =	29

	Mean	Linearized Std. Err.	[95% Conf. Interval]	
bpxsar	123.1049	.4283331	122.2289	123.981

. estat size, obs size

Size	Mean	Linearized Std. Err.	Obs
bpxsar	123.1049	.4283331	9056
191104182.071			

```

hypothesis_t_test.log
. svy: mean bpxsar, subpop(if ri dageyr >= 20 & ri dageyr < .)
over(ri agendr)
(running mean on estimation sample)

```

Survey: Mean estimation

```

Number of strata =      28      Number of obs      =      15052
Number of PSUs   =      57      Population size    = 237466080
Subpop. no. obs  =           9056
Subpop. size     = 191104182
Design df        =           29

```

```

male: ri agendr = male
female: ri agendr = female

```

Over	Mean	Linearized Std. Err.	[95% Conf. Interval]	
bpxsar				
male	123.8083	.4616957	122.864	124.7526
female	122.4513	.5317958	121.3636	123.5389

```

. estat size, obs size

```

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male: ri agendr = male
female: ri agendr = female

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Over	Mean	Linearized Std. Err.	Obs
Size			
bpxsar			
male	123.8083	.4616957	4301
female	122.4513	.5317958	4755

```

. lincom [bpxsar]male - [bpxsar]female
( 1) [bpxsar]male - [bpxsar]female = 0

```

```

> --

```

	Coef.	Std. Err.	t	P> t	[95% Conf.
Interval					
>]					
-----+-----					
> --					
2.4082	(1) 1.357033	.5139968	2.64	0.013	.3057917
> 74					

> --					

```

. xi: svy, subpop(if ridageyr<=20 & ridageyr<.): reg bpxsar
i. ri agendr
i. ri agendr      _lri agendr_1-2      (naturally coded; _lri agendr_1
omitted
> )
(running regress on estimation sample)

```

Survey: Linear regression

Number of strata = 28	Number of obs =
205	
> 89	
Number of PSUs = 57	Population size =
2713371	
> 66	
	Subpop. no. of obs =
90	
> 56	
	Subpop. size =
1911041	
> 82	
	Design df =
> 29	
	F(1, 29) =
6.	
> 97	
	Prob > F =
0.01	
> 32	
	R-squared =
0.00	
> 12	

```

                                hypothesi s_t_test. log
      bpxsar |      Coef.      Std. Err.      t      P>|t|      [95% Conf.
Interva
> |]
-----+-----
-----
> --
_lri agendr_2 |   -1.357033   .5139968   -2.64   0.013   -2.408274
-.30579
> 17
_cons |    123.8083   .4616957   268.16   0.000   122.864
124.75
> 26
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> --

. log close
  log: c:\NHANES\log\hypothesi s_t_test. log
  log type: text
  closed on: 5 Aug 2008, 08:27:58
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