

MP - Parallel Edition

15.1 Copyright 1985-2017 StataCorp LLC

StataCorp

4905 Lakeway Drive

College Station, Texas 77845 USA

800-STATA-PC http://www.stata.com 979-696-4600 stata@stata.com

979-696-4601 (fax)

999-user 2-core Stata network license expires 31 Jul 2019:

Serial number: 501509201656

Licensed to: Rutgers University
Rutgers University

### Notes:

- Unicode is supported; see <u>help unicode advice</u>.
   More than 2 billion observations are allowed; see <u>help obs\_advice</u>.
- 3. Maximum number of variables is set to 5000; see <a href="help-set maxvar">help-set maxvar</a>.
- 1 . insheet using https://raw.githubusercontent.com/sdegiorgi > s/Quant2/master/Quant2FinalPaper2.csv, clear (16 vars, 282 obs)

Contains data

obs: 282 vars: 16 29,046 size:

variable name > 1		display format	value label	variable labe
	str10 double str51 float	%10.0g %51s		County Id2 Geography Estimate; year older moved
v5	int	%8.0g	Median househo	older moved nit Owner
v6	int	%8.0g	Median househo into u	Estimate;
percentyearho~u	float	%9.0g	HOUSEHO INTO UI	Percent; YEAR DLDER MOVED NIT - Occupied g units -
v8	float	%9.0g	HOUSEHO	Percent; YEAR DLDER MOVED NIT - Occupied g units -
estimateselec~t	int	%8.0g	SELECTI OWNER (	Estimate; ED MONTHLY COSTS (SMOC) - g units with a
v10	int	%8.0g	SELECTI	Estimate; ED MONTHLY COSTS (SMOC) -

v11	int	%8.0g	Housing units with a mortgage - Estimate; SELECTED MONTHLY OWNER COSTS (SMOC) - Housing units
v12	int	%8.0g	without a mortgage Estimate; SELECTED MONTHLY OWNER COSTS (SMOC) - Housing units
smocforhousin~u	int	%8.0g	without a mortgage SMOC for housing units with and without a
estimategross~a	int	%8.0g	mortgage Estimate; GROSS RENT - Occupied units
v15	int	%8.0g	paying rent Estimate; GROSS RENT - Occupied units paying rent - Median
estimatei~2017i	long	%12.0g	(dollars) Estimate; INCOME AND BENEFITS (IN 2017 INFLATION-ADJUSTED DOLLARS) - Total house

Sorted by:
Note: Dataset has changed since last saved.

## 3 . d v15

variable name > 1	storage type	display format	value label	variable labe
v15	int	%8.0g	Occu payi	Estimate; S RENT - pied units ng rent - Median lars)

# 4 . inspect

county: > bserva			Numbe:	r of O
	Nonintegers		Total	Int
egels	Nonlintegels	Negative	-	
-	-	Zero	-	
-	-	Positive	-	
-	-			
<u> </u>		Total	-	
	_ 	Missing	282	
ı				

-9.0e+307 (0 unique value)		282	
id2: Id2 > bservations		Numbe	er of O
		Total	Int
egers Nonintegers	Negative	-	1110
<b>-</b> -	Zero	_	
>	Positive	282	
#	Total	282	
> - 282 # #	Missing	-	
3.40e+10 3.40e+10 (12 unique values)		282	
geography: Geography bservations		Numbe	er of O
		Total	Int
egers Nonintegers	Negative	-	
-	Zero	-	
	Positive	-	
	Total	-	
-9.0e+307	Missing	282 ———————————————————————————————————	
(0 unique value)		202	
estimatemedianyearhousehol > bservations	dermov: Estim	Numbe	er of O
egers Nonintegers		Total	Int
# -	Negative	-	
#	Zero	-	
# # 280 2	Positive	282	
# #			
# # # > 280 2	Total	282	
. # # # #	Missing		
1993 2013 (23 unique values)		282	

5: Esti	ions					
					Total	Int
egers	Noni	inteq #	gers	Negative	-	
-		#	-	Zero	-	
282		#	#_	Positive	282	
		#	#			
282		#	#_	Total	282	
	#	#	#	Missing	<u>-</u>	
983 (21 uni	ionne v	7a l 116	200 es)	6	282	
6: Esti		: Med	dian	year householder m	Numbe	er of O
bservat	ions			year householder m	Numbe Total	er of O
				year householder m  Negative		
bservat	ions	integ				
bservat	ions	integ #		Negative		
egers -	ions	integ # #		Negative Zero	Total - -	
egers 282	ions	integ # #		Negative Zero	Total - -	
egers -	Noni	# # # #		Negative Zero Positive	Total 282	
egers 282 - 282	Noni	# # # # #	gers 201	Negative Zero Positive  Total Missing	Total 282	
egers 282 - 282	Noni # # ique v	# # # # # # # #	gers 201	Negative Zero Positive  Total Missing	Total 282 - 282	
egers - 282 - 282 - 004 (13 unitable procenting between the content of the conten	Noni  # # ique v	# # # # ralue	gers 201 es)	Negative Zero Positive  Total Missing	Total 282 - 282	Int
egers 282 - 282	Noni # # ique v	# # # # ralue	gers 201 es)	Negative Zero Positive  Total Missing	Total 282 - 282 Numbe	Int

Positive

Total

Missing

254

254

0 28.5 (More than 99 unique values)

281

282

282

	B: <b>Perc</b> bservat		YEAR HOUSE	HOLDER MOVED INT	Numbe	er of O
					Total	Int
<u>}</u>	egers #	Noni	ntegers	Negative	-	
<b>&gt;</b>	-#		-	Zero	3	
<b>&gt;</b>	3 # #	#	-	Positive	279	
<b>&gt;</b>	31 # #	#	248 #			
	# #	#	#	Total	282	
>	34 # #	#	248 # .	Missing	_	
0			28.2		282	
(1)	More tha	n 99 1	unique valu	les)		
	<b>stimates</b> bservat		edmonthlyov	wnercost: Estim	Numbe	er of O
					Total	Int
>	egers #	Noni	ntegers	Negative	_	
<b>&gt;</b>	- #		-	Zero	2	
<b>&gt;</b>	2 #		-	Positive	280	
<b>&gt;</b>	280 # #		-			
	# #			Total	282	
}	282 # #	#		Missing	_	
- 0			2605		282	
v1		imate	unique valu	MONTHLY OWNER C	Numbe	er of O
					Total	Int
<b>&gt;</b>	egers	Noni:	ntegers	Negative	_	
<b>&gt;</b>	-	#	-	Zero	3	
<b>&gt;</b>	3	#	-	Positive	279	
}	279	#	-			
		#		Total	282	
>	282 . #	#	# .	Missing	_	
1	• "		·· ·			

282

0 4000 (More than 99 unique values)

servat						
					Total	Int
gers #	Noni	intege	rs	Negative	_	
-#			-	Zero	2	
2 # #			-	Positive	280	
280 # #			-	_		
# #			_	Total	282	
282 # #	#			Missing	-	
			 1142 e value		282	
servat			ECTED I	MONTHLY OWNER C	Numbe	er of C
servat			ECTED I	MONTHLY OWNER C	Admun	er of C
	ions			MONTHLI OWNER C	Total	er of C
	ions	intege		Negative		
gers -	Noni				Total	
egers - 5	Noni #			Negative	Total	
gers -	Noni #			Negative Zero	Total -	
egers - 5 277	Noni # #	intege		Negative Zero	Total -	
gers - 5	Noni # # #	intege.		Negative Zero Positive	Total - 5 277	
egers - 5 277 - 282	Noni # # # # #	# # #		Negative Zero Positive Total Missing	Total - 5 277	
egers - 5 277 - 282	Non: # # # # # un 99	# # # unique	rs 1500 e value	Negative Zero Positive Total Missing	Total - 5 277 282 - 282	
gers  5 277  282	Noni # # # # m 99 using	# # unique	rs 1500 e value	Negative Zero Positive  Total Missing	Total - 5 277 - 282 - 282 Numbe	Int
gers  5 277  282	Noni # # # # m 99 using	# # # unique	rs 1500 e value	Negative Zero Positive  Total Missing	Total - 5 277 - 282 - 282 Numbe	Int
gers  5 277  282	Noni # # # # n 99 using	# # unique	rs 1500 e value	Negative Zero Positive — Total Missing — as) dwithou: SMOC	Total - 5 277 - 282 - 282 Numbe	Int

0 (More that	3207 an 99 unique valu		282	
. #	# #	Missing		
 > 282	#	Total	282	
1	#			
) > 279	#	Positive	279	
) > 3	#	Zero	3	
> egers	Nonintegers #	Negative	-	
<b>\</b>	Naniakanana		Total	Int

bservati ————	cossrentoccupied			er of (
			Total	Int
egers #	Nonintegers	Negative	_	
#	-	Zero	_	
- # 282	_	Positive	282	
#				
# # 282	_	Total	282	
# #	· · · · · · · · · · · · · · · · · · ·	Missing	<u>-</u>	
ore than	2410 n 99 unique valu	ıes)	282	
<b>5: Esti</b> bservati		T - Occupied un	Numbe	er of (
			Total	Int
egers #	Nonintegers	Negative	_	
#	-	Zero	-	
-#	-	Positive	282	
282 #	-			
#		Total	282	
. #	#	Missing		
1 ore than	3093 n 99 unique valu	ies)	282	
	ncomeandbenefits	sin2017i: Estim	Numbe	er of (
			Total	Int
egers #	Nonintegers	Negative	_	
- #	-	Zero	_	
- # 282	_	Positive	282	
#				
# 282	# _	Total	282	
# #	#	Missing	<u>-</u>	
629	196989		282	

# 7 . reg v5 smocforhousingunitswithandwithou estimateincomeand > benefitsin2017i

Source > f obs =	SS 282	df	MS	Number o
				F(2, 279
> ) = Model	8.73 214.647306	2	107.323653	Prob > F
> = Residual > d =	0.0002 3431.05482 0.0589	279	12.2976875	1111
> uared = Total	0.0521 3645.70213 3.5068	281	12.9740289	Adj R-sq Root MSE
v5 > 95% Con > f. In	Coef.	Std. Err.	t	P> t  [
smocforhou~u > 0005276	.0010829	.0008182	1.32	0.187
> estima~2017i > .10e-06	.0026935	.0000128	1.26	0.209 -9
> 995.079 > :	.0000414 1996.64 1998.201	.7930017	2517.83	0.000 1

#### 8 . estimates store model1

9 . reg v6 v15 estimateincomeandbenefitsin2017i

Source > f obs =	SS <b>282</b>	df	MS	Number o
> ) = Model > = Residual > d =	10.26 58.5527757 0.0001 796.230912 0.0685		29.2763879 2.85387424	
<pre>&gt; uared =    Total &gt; =</pre>	0.0618 854.783688 1.6893	281	3.04193483	5 1
v6 > 95% Con > f. In	Coef.	Std. Err.	t	P> t  [
> 0006945	.0012798	.0002974	4.30	0.000 .
> 0000202	.0018651 0000124 4.49e-06	4.00e-06	-3.09	0.002
> 010.184	F	. 3757995	5351.06	0.000 2
	L			

- 10. estimates store model2
- 11. esttab model1, order(\_cons) b(a3) t(a3) sfmt(a3) nobase label mtitles varwid > th(40) stats(N r2 F)

	(1) model1
Constant	1996.6*** (2517.8)
SMOC for housing units with and without	0.00108 (1.324)
Estimate; INCOME AND BENEFITS (IN 2017 I	0.0000161 (1.259)
N r2 F	282 0.0589 8.727

- t statistics in parentheses
- \* p<0.05, \*\* p<0.01, \*\*\* p<0.001
- 12. esttab model\*, order(cons) b(a3) t(a3) sfmt(a3) nobase label mtitles varwid > th(40) stats(N r2 F)

	(1) model1	(2) model2
Constant	1996.6*** (2517.8)	2010.9*** (5351.1)
SMOC for housing units with and without	0.00108 (1.324)	
Estimate; INCOME AND BENEFITS (IN 2017 I	0.0000161 (1.259)	-0.0000124** (-3.091)
Estimate; GROSS RENT - Occupied units pa		0.00128*** (4.304)
N r2 F	282 0.0589 8.727	282 0.0685 10.26

- t statistics in parentheses \* p<0.05, \*\* p<0.01, \*\*\* p<0.001
- 13. translate @Results /home/ru/svd30/Desktop/Quant2FinalPaper2.pdf.pdf