The CONTENTS Procedure

Data Set Name	WORK.HOUSE_PRICE	Observations	11330
Member Type	DATA	Variables	17
Engine	V9	Indexes	0
Created	03/06/2025 13:33:36	Observation Length	312
Last Modified	03/06/2025 13:33:36	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

	Engine/Host Dependent Information
Data Set Page Size	131072
Number of Data Set Pages	28
First Data Page	1
Max Obs per Page	419
Obs in First Data Page	406
Number of Data Set Repairs	0
Filename	/saswork/SAS_work9F4D0001BAEE_odaws01-usw2-2.oda.sas.com/SAS_work10030001BAEE_odaws01-usw2-2.oda.sas.com/house_price.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	738203837
Access Permission	rw-rr
Owner Name	u64126310
File Size	4MB
File Size (bytes)	3801088

	Alphabeti	ic List o	f Varia	bles and Attrib	utes
#	Variable	Type	Len	Format	Informat
1	address	Char	34	\$34.	\$34.
4	bathrooms	Num	8	BEST12.	BEST32.
5	bedrooms	Num	8	BEST12.	BEST32.
6	finishedsqft	Num	8	BEST12.	BEST32.
2	info	Char	98	\$98.	\$98.
7	lastsolddate	Num	8	MMDDYY10.	MMDDYY10.
8	lastsoldprice	Num	8	BEST12.	BEST32.
9	latitude	Num	8	BEST12.	BEST32.
10	longitude	Num	8	BEST12.	BEST32.
11	neighborhood	Char	40	\$40.	\$40.
12	totalrooms	Num	8	BEST12.	BEST32.
13	usecode	Char	12	\$12.	\$12.
14	yearbuilt	Num	8	BEST12.	BEST32.
3	z_address	Char	25	\$25.	\$25.
15	zestimate	Num	8	BEST12.	BEST32.
16	zipcode	Num	8	BEST12.	BEST32.
17	zpid	Num	8	BEST12.	BEST32.

house_price original test

Obs	address	info	z_address	bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	latitude	longitude	neighborhood	totalrooms	usecode	yearbuilt	zestimate	zipco
1	Address: 1160 Mission Street #2007	San FranciscoSales price: 1300000Sales date: 02/17/2016Bedrooms: 2Square feet: 1043Lot size: 43557	1160 Mission St UNIT 2007	2	2	1043	02/17/2016	1300000	37.778705	-122.412635	South of Market	4	Condominium	2007	1167508	941
2	Address: 260 King Street #475	San FranciscoSales price: 750000Sales date: 02/17/2016Bedrooms: 1Square feet: 908Lot size: 213232	260 King St UNIT 475	1	1	903	02/17/2016	750000	37,777641	-122.393417	South of Market	3	Condominium	2004	823719	941
3	Address: 560 Missouri Street #B	San FranciscoSales price: 1495000Sales date: 02/17/2016Bedrooms: 3Square feet: 1425Lot size: 2496	560 Missouri St # B	4	3	1425	02/17/2016	1495000	37.759198	-122.396516	Potrero Hill	6	Condominium	2003	1708594	941
4	Address: 350 Missouri Street	San FranciscoSales price: 2700000Sales date: 02/17/2016Bedrooms: 3Square feet: 1984Lot size: 2469	350 Missouri St	3	3	2231	02/17/2016	2700000	37.761886	-122.396769	Potrero Hill	10	SingleFamily	1927	2411236	941
5	Address: 3658 Folsom Street	San FranciscoSales price: 1530000Sales date: 02/17/2016Bedrooms: 0Square feet: 924Lot size: 1750	3658 Folsom St	3	3	1300	02/17/2016	1530000	37,740795	-122.413453	Bernal Heights	4	SingleFamily	1900	1918539	941

House price using DATA

Obs	bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode
1	2	2	1043	02/17/2016	1300000	4	Condominium	2007	1167508	94103
2	1	1	903	02/17/2016	750000	3	Condominium	2004	823719	94107
3	4	3	1425	02/17/2016	1495000	6	Condominium	2003	1708594	94107
4	3	3	2231	02/17/2016	2700000	10	SingleFamily	1927	2411236	94107
5	3	3	1300	02/17/2016	1530000	4	SingleFamily	1900	1918539	94110

House price using SQL method

Obs	bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode
1	2	2	1043	02/17/2016	1300000	4	Condominium	2007	1167508	94103
2	1	1	903	02/17/2016	750000	3	Condominium	2004	823719	94107
3	4	3	1425	02/17/2016	1495000	6	Condominium	2003	1708594	94107
4	3	3	2231	02/17/2016	2700000	10	SingleFamily	1927	2411236	94107
5	3	3	1300	02/17/2016	1530000	4	SingleFamily	1900	1918539	94110

New variable DATA step results

Obs	bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode	price_per_square_foot
1	2	2	1043	02/17/2016	1300000	4	Condominium	2007	1167508	94103	1246.40
2	1	1	903	02/17/2016	750000	3	Condominium	2004	823719	94107	830.56
3	4	3	1425	02/17/2016	1495000	6	Condominium	2003	1708594	94107	1049.12
4	3	3	2231	02/17/2016	2700000	10	SingleFamily	1927	2411236	94107	1210.22
5	3	3	1300	02/17/2016	1530000	4	SingleFamily	1900	1918539	94110	1176.92

sql with new variable

Obs	bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode	price_per_square_foot_SQL
1	2	2	1043	02/17/2016	1300000	4	Condominium	2007	1167508	94103	1246.40
2	1	1	903	02/17/2016	750000	3	Condominium	2004	823719	94107	830.56
3	4	3	1425	02/17/2016	1495000	6	Condominium	2003	1708594	94107	1049.12
4	3	3	2231	02/17/2016	2700000	10	SingleFamily	1927	2411236	94107	1210.22
5	3	3	1300	02/17/2016	1530000	4	SingleFamily	1900	1918539	94110	1176.92

Average of lastsoldprice by zipcode

The MEANS Procedure

Analysis \	Analysis Variable : lastsoldprice									
zipcode	N Obs	Mean								
94102	318	835957.49								
94103	360	1057806.08								
94104	1	1300000.00								
94105	340	1202028.24								
94107	857	1115271.06								
94108	114	1479360.53								
94109	653	1274315.54								
94110	935	1235720.02								
94111	38	1078907.89								
94112	877	763993.29								
94114	651	1685736.43								
94115	534	1860896.42								
94116	655	1019365.35								
94117	473	1454416.58								
94118	466	1835655.89								
94121	527	1474686.53								
94122	601	1070692.68								
94123	430	2449347.67								
94124	393	573805.64								
94127	435	1365385.56								
94131	687	1382432.57								
94132	292	774159.25								
94133	183	1718297.81								
94134	439	650733.71								
94158	71	976035.21								

sql average lastsold by zipcode

zipcode	average_price				
94102	835957.5				

zipcode	average_price
94103	1057806
94104	1300000
94105	1202028
94107	1115271
94108	1479361
94109	1274316
94110	1235720
94111	1078908
94112	763993.3
94114	1685736
94115	1860896
94116	1019365
94117	1454417
94118	1835656
94121	1474687
94122	1070693
94123	2449348
94124	573805.6
94127	1365386
94131	1382433
94132	774159.2
94133	1718298
94134	650733.7
94158	976035.2

Average of lastsoldprice by usecode, totalrooms, and bedrooms.

The MEANS Procedure

Analysis Variable : lastsoldprice											
usecode	totalrooms	bedrooms	N Obs	Mean							
Apartment	5	1	1	845000.00							
		2	1	1850000.00							
	7	2	1	1330000.00							
Condominium	1	0	15	494366.67							
		1	9	1141777.78							
		2	2	1007500.00							
	2	0	66	474083.33							
		1	139	660961.15							
		2	9	1158444.44							
	3	0	11	488590.91							
		1	795	684366.20							
		2	67	980411.10							
		3	8	2183875.00							
	4	0	6	1537500.00							
		1	428	787536.55							
		2	774	1000287.19							
		3	34	949911.76							
	5	0	2	363000.00							
		1	62	879108.87							
		2	990	1173502.70							
		3	184	1227470.11							
		4	3	1335000.00							
	6	1	16	1043375.00							
		2	227	1351535.24							
		3	418	1493546.65							
		4	15	1488900.00							
		20	1	965000.00							
	7	1	6	1119666.67							
		2	53	1326273.58							
		3	157	1637920.38							
		4	59	1573389.83							
		5	2	3620000.00							
	8	1	2	588000.00							
		2	16	1231062.50							
		3	52	1734625.00							
		4	34	1896264.71							
		5	2	1213250.00							
		6	1	995000.00							
	9	2	13	1292692,31							
	, , ,	3	35	1912014.29							
		4	12	2245666.67							
		5	2	3225000.00							
	10	1	2	1420000.00							
	,,,	2	5	1002800.00							

		Re	esults:	final.sas
	Analysis Va	riable : lastsc	Idprice	
usecode	totalrooms	bedrooms	N Obs	Mean
		3	7	1612571.43
		4	6	2328666.67
	11	1	1	700000.00
		2	4	1187750.00
		3	3	1209333.33
		4	8	1916937.50
	12	1	2	715000.00
		2	4	1287500.00
		3	1	5500000.00
		4	2	906000.00
	13	2	4	1153750.00
		3	3	1362000.00
	14	1	1	2095000.00
		2	4	962500.00
	15	2	1	750000.00
		3	1	1288000.00
		4	1	3950000.00
	16	3	2	1135000.00
	17	2	1	2000000.00
	- ''	3	1	1065000.00
	40	2	1	1355000.00
	18			
		4	1	1225000.00
	20	2	1	850000.00
		5	1	1250000.00
		9	2	3800000.00
	23	4	2	1950000.00
	26	2	1	1678000.00
	94	2	1	325000.00
	1264	2	1	1375000.00
Cooperative	5	2	1	1080000.00
		3	1	1200000.00
	23	14	1	440000.00
Duplex	5	3	1	640000.00
	6	2	4	603750.00
		4	1	815000.00
	7	3	2	1142500.00
		4	1	554000.00
	8	2	1	1200000.00
		3	2	1342500.00
		4	9	1350166.67
		5	1	870000.00
	9	2	1	2300000.00
		3	5	870800.00
		4	4	1525000.00
	10	3	2	812500.00
		4	17	1296500.00
		5	2	1497500.00
	11	1	1	608500.00
		3	1	2965000.00
		4	5	1151100.00
		5	6	1524000.00
		7	2	1190000.00
	12	4	5	933600.00
	12	5	2	2100000.00
		6	11	1601681.82
		7	4	1728750.00
	13	1	1	460000.00
	13			
		3	1	910000.00
		5	2	1600000.00
				2506250.00
		6	6	1184166.67
		7	1	2123000.00
	14	2	1	2204500.00
		3	1	625000.00
		4	2	1150000.00
		5	1	1900000.00
		6	4	1888375.00
		7	3	1850000.00
	15	2	2	1993250.00
		6	4	745750.00
		7	4	1169000.00
		8	4	1465750.00
	16	3	1	1810000.00
		6	1	3849000.00

		K	esuits:	final.sas
	Analysis Va	riable : lastsc	Idprice	
usecode	totalrooms	bedrooms	N Obs	Mean
		7	1	1470000.00
		9	1	2150000.00
	17	3	1	1440000.00
		4	1	1320000.00
		7	1	1225000.00
	18	8	1	1709000.00
		9	2	1940000.00
	19	8	1	2200000.00
	20	8	2	2700000.00
	22	2	1	675000.00
	24	2	1	860000.00
Miscellaneou	1	2	1	1410000.00
	4	1	1	655000.00
		2	2	1155000.00
	5	2	2	2500000.00
	6	3	1	1000000.00
	7	2	1	1135000.00
		3	1	1099000.00
	8	3	1	1050000.00
	9	2	1	1700000.00
		4	1	3025000.00
	10	3	1	1100000.00
	12	4	1	2400000.00
	13	5	1	1700000.00
		7	1	1650000.00
	27	10	1	1625000.00
Mobile	4	2	1	1400000.00
	6	3	1	1994000.00
MultiFamily2	1	0	3	452500.00
		1	1	685000.00
	2	0	1	375000.00
		1	6	807250.00
		2	1	930000.00
	3	0	1	562500.00
		1	32	829328.13
		2	1	551000.00
	4	1	16	684937.50
		2	43	1091906.98
		3	2	1243750.00
	5	0	1	1600000.00
		1	7	993714.29
		2	26	1028711.54
		3	7	1052000.00
		6	1	1100000.00
		12	1	825000.00
	6	0	1	1275000.00
		1	4	820000.00
		2	11	1036545.45
		3	8	1691875.00
		4	1	2882000.00
		5	1	430000.00
	7	2	4	1029500.00
		3	7	1454285.71
		4	3	1883000.00
		5	2	2085000.00
		6	1	925000.00
		8	1	1250000.00
	8	0	3	926666.67
		1	2	482750.00
		2	5	1962800.00
		3	9	1234000.00
		4	11	1155863.64
		5	8	1126562.50
		6	1	850000.00
		7	1	2165000.00
	9	0	1	848000.00
		1	3	1573333.33
		2	4	1433750.00
		3	5	1148400.00
		4	13	853269.23
		5	12	1131383.33
		6	3	1768333.33
		7	1	1390000.00
		9	1	1250000.00

usecode totalroms bedrooms N Obs Mean 10 0 6 1037500.00 1 1 788000.00 1 1 1788000.00 1 1 1788000.00 1 1 12 1389272.73 1 1 1 1397500.00 1 1 1 150700.00 1 1 1 1554500.00 1 1 1 1554500.00 1 1 1 1 1554500.00 1 1 1 1 1554500.00 1 1 1 1 1554500.00 1 1 1 1 155000.00 1 1 1 1 15000.00 1			Re	esults:	final.sas
10		Analysis Va	riable : lastsc	Idprice	
1	usecode		bedrooms	N Obs	Mean
		10			
				_	
6 5 155760.00					
8 3 171166.67 11			-	-	
11					
		11			
			5		
1					
12			7	_	
			8	1	1741000.00
		12	0	2	1802500.00
			2	6	888916.67
			3	1	875000.00
			4	9	1422722.22
1			5	8	1477125.00
1			6	7	1682571.43
13			7	3	1516333.33
			9	1	2855000.00
		13	1		
1				1	
1541888.89					
1			5	1	
14					
14					
1974166.67 197		14			
142333.33 142333.33 142333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 143333.33 14333333.33 14333333.33 14333333.33 14333333.33 14333333.33 14333333.33 14333333.33 143333333.33 143333333.33 1433333333 14333333333 14333333333 14333333333 14333333333 143333333333					
149000.00					
15					
		45			
Section		15			
16					
146700.00					
3			9	5	1467000.00
4		16	2	2	2345000.00
1			3	1	2130000.00
6			4	2	1775000.00
1			5	4	1632625.00
8			6	4	1461250.00
10			7	1	1890000.00
17 0 1 1950000.00 5 1 126500.00 6 1 240000.00 9 3 1295000.00 18 6 1 825000.00 7 1 2160000.00 9 2 1367500.00 10 2 2633000.00 11 2 2633000.00 12 1 2800000.00 19 6 1 2100000.00 21 9 3 138166.67 23 5 1 3500000.00 24 10 1 1767000.00 28 8 1 3600000.00 4 16 1 1880000.00 MultiFamily5 5 2 2 678000.00 SingleFamily 1 1 1 67000.00 2 0 3 379000.00 3 1 2 1 210000.00 4 2 565000.00			8	1	2650000.00
1			10	1	540000.00
1		17	0	1	1950000.00
1					
18					
1 2160000.00 9 2 1367500.00 10 2 263300.00 11 2 11 280000.00 12 11 2 11 280000.00 12 11 2 11 280000.00 13 16 6.67 14 2 100000.00 16 1 2601388.00 16 1 2601388.00 16 1 360000.00 16 1 1767500.00 16 1 1767500.00 16 1 176000.00 16 1 1880000.00 16 1 1880000.00 16 1 1880000.00 16 1 1880000.00 16 1 1880000.00 16 1 1880000.00 16 1 1880000.00 16 1 1880000.00 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
9		18			
10			_	_	
12					
19 6					
16		10			
21		19			
23 5 1 3500000.00		21			
24					
16					
28		<u> </u>			
16		28			
MultiFamily5 5 2 2 678000.00 SingleFamily 1 1 1 670000.00 2 0 3 379000.00 1 8 623875.00 2 1 2100000.00 4 2 565000.00					
SingleFamily 1 1 1 670000.00 2 0 3 379000.00 1 8 623875.00 2 1 2100000.00 4 2 565000.00		33	13	1	3350000.00
2 0 3 37900.00 1 8 623875.00 2 1 2100000.00 4 2 565000.00	MultiFamily5	5	2	2	678000.00
1 8 623875,00 2 1 2100000.00 4 2 565000,00	SingleFamily	1	1	1	670000.00
2 1 2100000.00 4 2 565000.00		2	0	3	379000.00
4 2 565000.00			1	8	623875.00
			2	1	2100000.00
3 1 37 730824.32					565000.00
		3	1	37	730824.32

		Re	esults:	final.sas
	Analysis Va	riable : lastsc	Idprice	
usecode	totalrooms	bedrooms	N Obs	Mean
		2	6	925666.67
		3	2	1125000.00
		4	1	5250000.00
		5	1	955000.00
	4	0	4	2559250.00
		1	64	831281.25
		2	370	791819.59
		3	84	996799.02
		4	16	1470375.00
		5	2	850000.00
	5	0	2	527500.00
	, ,	1	27	1029629.63
		2	789	911582.72
		3	425	1003692.22
		4	50	1377670.00
		5	17	2080264.71
		6	3	516166.67
	6	1	5	1110600.00
		2	329	1059102.74
		3	804	1185621.21
		4	134	1282911.94
		5	18	1431644.44
		6	5	1522000.00
	7	0	4	839000.00
	1	1	4	769500.00
		2	101	1108831.97
	1	3	513	1362865.98
		4	293	1417419.80
		5	37	2050310.81
		7	4	936500.00
		8	2	844000.00
		9	2	1405000.00
	8	0	2	594000.00
		1	4	863125.00
		2	59	1224957.63
		3	299	1477341.47
		4	328	1752201.52
		5	52	1451913.46
		6	3	2020000.00
		8	1	738000.00
		11	1	1100000.00
	9	0	1	950000.00
		1	2	620000.00
		2	9	972222.22
		3	88	1795021.43
		4	173	2266106.29
		5	73	2212795.89
		6	14	1780964.29
		9	1	1575000.00
	10	2	13	1441807.69
		3	52	1824163.46
	1	4	101	2533079.91
	1	5	52	2977221.15
			14	
	1	6		2273280.00
	+	7	1	6050000.00
		8	1	16760000.00
	11	2	2	1050000.00
		3	17	1468588.24
		4	33	2587030.30
		5	30	3230750.00
		6	17	4272029.41
		7	5	4967200.00
	12	1	1	1800000.00
		2	2	799500.00
		3	10	1615500.00
		4	24	3155208.33
		5	21	3085285.71
		6	15	3250600.00
	1	7	3	6740000.00
	13	2	2	847500.00
	1	3	3	1532833.33
	+	4	14	2783285.71
	1	5	21	3955333.33
	1	6	7	5852857.14
				3032037.14

usecode totalrooms bedrooms N Obs Mean 1 1 8600000.00 1 8600000.00 14 2 1 720000.00 14 2 1 720000.00 1 4 6 2689250.00 1 4 6 2689250.00 1 4 6 5682666.67 1 15 4 4 4352000.00 1 15 4 4 4352000.00 1 15 4 4 4352000.00 1 15 4 4352000.00 1 16 4 4352000.00 1 16 4 4352000.00 1 17 4 4 4352000.00 1 16 4 3958750.00 16 4 3958750.00 4 157000.00 16 4 1570000.00 4 1530000.00 17 4 1	Troduction in an area				
1		Analysis Va	riable : lastso	Idprice	
14	usecode	totalrooms	bedrooms	N Obs	Mean
14 2 1 720000.00 3 1 1510000.00 4 6 2689250.00 5 5 5490000.00 6 6 6 568266.67 8 1 720000.00 15 4 4 4352000.00 6 5 7453500.00 7 1 7500000.00 16 4 36740000.00 16 4 3958750.00 6 4 6170000.00 17 4 3958750.00 16 4 3358750.00 17 4 153000.00 17 4 1 600000.00 17 4 1 600000.00 18 3 1 990000.00 19 5 1 3355000.00 19 5 1 3355000.00 20 6 1 680000.00 23 7 1 628			7	1	8600000.00
1			8	1	1810000.00
		14	2	1	
5			3	1	1510000.00
6			4		
15			5	5	5490000.00
15			6	6	5682666.67
S			8		
6		15			
1			5	2	
16 4 3 6740000.00 5 4 3958750.00 6 4 6170000.00 7 2 7862500.00 9 4 1530000.00 17 4 1 600000.00 18 3 1 990000.00 18 3 1 990000.00 19 5 1 3355000.00 20 6 1 6800000.00 23 7 1 6285000.00 26 9 1 9600000.00 28 7 1 2389000.00 Townhouse 2 1 1 1269000.00 3 1 2 642500.00 4 1 3 785000.00 3 1 2 642500.00 4 1 3 785000.00 5 1 1 973000.00 5 1 1 973000.00			-	-	
5 4 3958750.00 6 4 6170000.00 7 2 7862500.00 9 4 1530000.00 17 4 1 600000.00 18 3 1 990000.00 18 3 1 990000.00 6 2 11625000.00 1 6500000.00 19 5 1 3355000.00 3355000.00 6000000.00 6000000.00 6000000.00 6000000.00 6000000.00 6000000.00 6000000.00 6000000000 6000000000 6000000000 600000000000 60000000000 6000000000000000 6000000000000000000000000000000000000			7	1	7500000.00
6		16	4	3	6740000.00
7 2 7862500.00 9 4 1530000.00 17 4 1 600000.00 18 3 1 990000.00 6 2 11625000.00 7 1 6500000.00 19 5 1 3355000.00 20 6 1 680000.00 23 7 1 6285000.00 26 9 1 9600000.00 28 7 1 2389000.00 3 1 2 642500.00 4 1 1 1259000.00 3 1 2 642500.00 4 1 3 785000.00 2 3 748666.67 4 1 3 785000.00 5 1 1 973000.00 5 1 1 973000.00 6 2 5 924200.00 3 3 606			5	4	3958750.00
9			6	4	6170000.00
17			7	2	7862500.00
1 390000.00 18 3 1 99000.00 6 2 11625000.00 7 1 650000.00 19 5 1 335500.00 20 6 1 680000.00 23 7 1 628500.00 26 9 1 960000.00 28 7 1 2388900.00 28 7 1 2388900.00 28 7 1 2488900.00 3 1 2 642500.00 3 1 2 642500.00 4 1 3 785000.00 5 1 1 973000.00 5 1 1 973000.00 5 1 1 973000.00 6 2 5 942400.00 7 2 5 1002800.00 7 2 5 1002800.00 8 1 1 115000.00 9 3 1 95000.00 9 3 1 95000.00 10 3 1 751000.00 6 1 95000.00			9	4	1530000.00
18 3 1 990000.00 6 2 11625000.00 7 1 6500000.00 19 5 1 3355000.00 20 6 1 6800000.00 23 7 1 6285000.00 26 9 1 960000.00 28 7 1 2388900.00 3 1 2 642500.00 4 1 3 785000.00 2 3 748666.67 4 1 3 785000.00 5 1 1 973000.00 5 1 1 973000.00 6 2 15 877735.67 3 3 329333.33 6 2 5 924200.00 3 3 5 606200.00 4 3 5 1002800.00 3 3 8 1 1 1150000.00 <t< td=""><td></td><td>17</td><td>4</td><td>1</td><td>6000000.00</td></t<>		17	4	1	6000000.00
6			5	1	3900000.00
7		18	3	1	990000.00
19 5 1 3355000,00 20 6 1 6800000,00 26 9 1 9600000,00 26 9 1 9600000,00 28 7 1 23889000,00 3 1 2 642500,00 2 3 748666,67 4 1 3 785000,00 2 8 876875,00 3 2 638500,00 5 1 1 973000,00 2 15 877735,67 3 3 929333,33 6 2 5 924200,00 3 5 606200,00 3 3 5 606200,00 3 841000,00 4 3 641333,33 8 1 1 1150000,00 1 990000,00 3 1 990000,00 9 3 1 950000,00 6 1 950000,00			6	2	11625000.00
20 6 1 6800000.00 23 7 1 6285000.00 26 9 1 9600000.00 28 7 1 2388900.00 3 1 1 26900.00 3 1 2 642500.00 4 1 3 785000.00 2 8 876875.00 3 2 638500.00 5 1 1 973000.00 6 2 5 924200.00 3 3 329333.33 6 2 5 924200.00 7 2 5 1002800.00 4 3 661303.33 881000.00 4 3 641333.33 8 1 1 1150000.00 9 3 1 950000.00 10 3 1 751000.00			7	1	6500000.00
23 7 1 6285000.00 26 9 1 9600000.00 28 7 1 2388900.00 Townhouse 2 1 1 126900.00 3 1 2 642500.00 4 1 3 785000.00 2 8 876875.00 3 2 638500.00 5 1 1 973000.00 6 2 15 877735.67 3 3 3 92933.33 6 606200.00 7 2 5 1002800.00 8 2 5 1002800.00 4 3 641333.33 881000.00 4 3 641333.33 881000.00 2 1 990000.00 2 1 990000.00 3 3 1 950000.00 3 1 751000.00		19	5	1	3355000.00
26 9 1 9600000.00 28 7 1 2388900.00 Townhouse 2 1 1 126900.00 3 1 2 642500.00 2 3 748666.67 4 1 3 785000.00 2 8 876875.00 3 2 638500.00 5 1 1 973000.00 2 15 877735.67 3 3 3 929333.33 6 2 5 924200.00 3 3 606200.00 7 2 5 1002800.00 3 3 381000.00 4 3 641333.33 8 1 1 1150000.00 9 3 1 950000.00 10 3 1 751000.00		20	6	1	6800000.00
28 7 1 23889000.00 Townhouse 2 1 1 1269000.00 3 1 2 642500.00 2 3 748666.67 4 1 3 785000.00 2 8 876875.00 3 2 638500.00 5 1 1 973000.00 2 15 877735.67 3 3 929333.33 6 2 5 924200.00 7 2 5 1002800.00 3 3 3 81000.00 4 3 641333.33 8 1 1 1150000.00 9 3 1 95000.00 10 3 1 751000.00 6 1 950000.00		23	7	1	6285000.00
Townhouse 2 1 1 1269000.00 3 1 2 642500.00 2 3 748666.67 4 1 3 785000.00 2 8 876875.00 3 2 638500.00 5 1 1 973000.00 2 15 877735.67 3 3 329333.33 6 2 5 924200.00 3 5 606200.00 7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 9 3 1 95000.00 10 3 1 751000.00 6 1 950000.00		26	9	1	9600000.00
3 1 2 642500.00 2 3 748666.67 4 1 3 785000.00 2 8 876875.00 3 2 638500.00 5 1 1 973000.00 5 1 1 973000.00 6 2 15 877735.67 3 3 929333.33 6 2 5 924200.00 7 2 5 1002800.00 7 2 5 1002800.00 3 3 641333.33 8 1 1 1150000.00 4 3 641333.33 8 1 1 936000.00 9 3 1 950000.00 9 3 1 950000.00 10 3 1 751000.00		28	7	1	23889000.00
2 3 74866.67 4 1 3 785000.00 2 8 876875.00 3 2 638500.00 5 1 1 973000.00 2 15 877735.67 3 3 929333.33 6 2 5 924200.00 3 5 606200.00 7 2 5 1002800.00 7 2 5 1002800.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 3 1 936000.00 9 3 1 950000.00 10 3 1 751000.00	Townhouse	2	1	1	1269000.00
4 1 3 785000.00 2 8 876875.00 3 2 638500.00 5 1 1 973000.00 2 15 877735.67 3 3 929333.33 6 2 5 924200.00 7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 3 1 936000.00 9 3 1 950000.00 10 3 1 751000.00 6 1 950000.00		3	1	2	
2 8 876875.00 3 2 638500.00 5 1 1 973000.00 2 15 877735.67 3 3 929333.33 6 2 5 924200.00 3 5 606200.00 7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 3 1 950000.00 9 3 1 950000.00 10 3 1 751000.00			2	3	748666.67
3 2 638500.00 5 1 1 973000.00 2 15 877735.67 3 3 929333.33 6 2 5 924200.00 3 5 606200.00 7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 9 3 1 950000.00 10 3 1 751000.00		4	1	3	
5 1 1 973000.00 2 15 877735.67 3 3 929333.33 6 2 5 924200.00 3 5 606200.00 7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 3 1 936000.00 9 3 1 751000.00 10 3 1 750000.00			2	8	876875.00
2 15 877735.67 3 3 3 929333.33 6 2 5 92420.00 3 5 606200.00 7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 3 1 936000.00 9 3 1 950000.00 10 3 1 751000.00			3	2	638500.00
3 3 92933.33 6 2 5 92420.00 3 5 60620.00 7 2 5 1002800.00 3 3 3 881000.00 4 3 64133.33 8 1 1 1150000.00 2 1 990000.00 3 1 950000.00 10 3 1 751000.00 6 1 950000.00		5	1	1	973000.00
6 2 5 92420.00 3 5 60620.00 7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 3 1 936000.00 9 3 1 950000.00 10 3 1 751000.00			2	15	877735.67
3 5 606200.00 7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 3 1 936000.00 9 3 1 950000.00 10 3 1 751000.00 6 1 950000.00			3	3	929333.33
7 2 5 1002800.00 3 3 881000.00 4 3 641333.33 8 1 1 1150000.00 2 1 990000.00 3 1 936000.00 9 3 1 950000.00 10 3 1 751000.00 6 1 950000.00		6	2	5	924200.00
3 3 88100.00 4 3 64133.33 8 1 1 115000.00 2 1 99000.00 3 1 93600.00 9 3 1 95000.00 10 3 1 75100.00 6 1 95000.00			3	5	606200.00
4 3 641333.33 8 1 1 115000.00 2 1 99000.00 3 1 93600.00 9 3 1 95000.00 10 3 1 75100.00 6 1 95000.00		7	2	5	1002800.00
8 1 1 1150000.00 2 1 990000.00 3 1 936000.00 9 3 1 950000.00 10 3 1 751000.00 6 1 950000.00			3	3	881000.00
2 1 990000.00 3 1 936000.00 9 3 1 950000.00 10 3 1 751000.00 6 1 950000.00			4	3	641333.33
9 3 1 936000.00 10 3 1 950000.00 10 3 1 751000.00 6 1 950000.00		8	1	1	1150000.00
9 3 1 950000.00 10 3 1 751000.00 6 1 950000.00			_		
10 3 1 751000.00 6 1 950000.00			3	1	936000.00
6 1 950000.00		9	3	1	950000.00
		10	3	1	751000.00
12 6 1 2625000.00			6	1	950000.00
		12	6	1	2625000.00

SQL avg lastsold by usecode, totalrooms, bedrooms

usecode	totalrooms	bedrooms	average_price
Apartment	5	1	845000
Apartment	5	2	1850000
Apartment	7	2	1330000
Condominium	1	0	494366.7
Condominium	1	1	1141778
Condominium	1	2	1007500
Condominium	2	0	474083.3
Condominium	2	1	660961.2
Condominium	2	2	1158444
Condominium	3	0	488590.9
Condominium	3	1	684366.2
Condominium	3	2	980411.1
Condominium	3	3	2183875
Condominium	4	0	1537500
Condominium	4	1	787536.6
Condominium	4	2	1000287
Condominium	4	3	949911.8
Condominium	5	0	363000
Condominium	5	1	879108.9
Condominium	5	2	1173503
Condominium	5	3	1227470

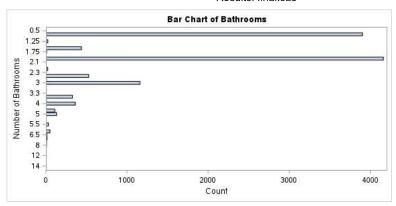
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usecode	totalrooms	bedrooms	average_price
Condominium	5	4	1335000
Condominium	6	1	1043375
Condominium	6	2	1351535
Condominium	6	3	1493547
Condominium	6	4	1488900
Condominium	6	20	965000
Condominium	7	1	1119667
Condominium	7	2	1326274
	· ·		
Condominium	7	3	1637920
Condominium	7	4	1573390
Condominium	7	5	3620000
Condominium	8	1	588000
Condominium	8	2	1231063
	8		
Condominium		3	1734625
Condominium	8	4	1896265
Condominium	8	5	1213250
Condominium	8	6	995000
Condominium	9	2	1292692
Condominium	9	3	1912014
Condominium	9	4	2245667
Condominium	9	5	3225000
Condominium	10	1	1420000
Condominium	10	2	1002800
Condominium	10	3	1612571
Condominium			
	10	4	2328667
Condominium	11	1	700000
Condominium	11	2	1187750
Condominium	11	3	1209333
Condominium	11	4	1916938
Condominium	12	1	715000
Condominium	12	2	1287500
Condominium	12	3	5500000
Condominium	12	4	906000
Condominium	13	2	1153750
Condominium	13	3	1362000
Condominium	14	1	2095000
Condominium	14	2	962500
Condominium	15	2	750000
Condominium	15	3	1288000
Condominium	15	4	3950000
Condominium	16	3	1135000
Condominium	17	2	2000000
Condominium	17	3	1065000
Condominium	18	2	1355000
Condominium	18	4	1225000
Condominium	20	2	850000
Condominium	20	5	1250000
Condominium	20	9	3800000
Condominium	23	4	1950000
Condominium	26	2	1678000
	94		
Condominium		2	325000
Condominium	1264	2	1375000
Cooperative	5	2	1080000
Cooperative	5	3	1200000
Cooperative	23	14	440000
Duplex	5	3	640000
Duplex	6	2	603750
Duplex	6	4	815000
Duplex	7	3	1142500
Duplex	7	4	554000
Duplex	8	2	1200000
	8	3	1342500
Duplex			
Duplex	8	4	1350167
Duplex	8	5	870000
Duplex	9	2	2300000
Duplex	9	3	870800
Duplex	9	4	1525000
Duplex	10	3	812500
Duplex	10	4	1296500
Duplex	10	5	1497500
Duplex	11	1	608500
Duplex	11	3	2965000
	11	4	1151100
Duplex			
Duplex	11	5	1524000
Duplex	11	7	1190000

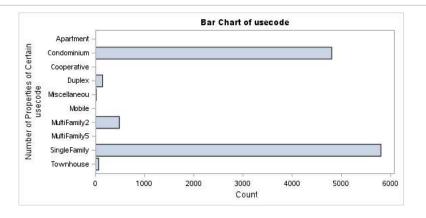
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usecode	totalrooms	bedrooms	average_price
Duplex	12	4	933600
Duplex	12	5	2100000
Duplex	12	6	1601682
Duplex	12	7	1728750
Duplex	13	1	460000 910000
Duplex	13	3	
Duplex Duplex	13	5	1600000 2506250
Duplex	13	6	1184167
Duplex	13	7	2123000
Duplex	14	2	2204500
Duplex	14	3	625000
Duplex	14	4	1150000
Duplex	14	5	1900000
Duplex	14	6	1888375
Duplex	14	7	1850000
Duplex	15	2	1993250
Duplex	15	6	745750
Duplex	15	7	1169000
Duplex	15	8	1465750
Duplex	16	3	1810000
Duplex	16	6	3849000
Duplex	16	7	1470000
Duplex	16	9	2150000
Duplex	17	3	1440000
Duplex	17	4	1320000
Duplex	17	7	1225000
Duplex	18	8	1709000
Duplex	18	9	1940000
Duplex	19	8	2200000
Duplex	20	8	2700000
Duplex Duplex	22	2	675000 860000
Miscellaneou	1	2	1410000
Miscellaneou	4	1	655000
Miscellaneou	4	2	1155000
Miscellaneou	5	2	2500000
Miscellaneou	6	3	1000000
Miscellaneou	7	2	1135000
Miscellaneou	7	3	1099000
Miscellaneou	8	3	1050000
Miscellaneou	9	2	1700000
Miscellaneou	9	4	3025000
Miscellaneou	10	3	1100000
Miscellaneou	12	4	2400000
Miscellaneou	13	5	1700000
Miscellaneou	13	7	1650000
Miscellaneou	27	10	1625000
Mobile	4	3	1400000
Mobile MultiFamily2	6	0	1994000 452500
MultiFamily2	1	1	685000
MultiFamily2	2	0	375000
MultiFamily2	2	1	807250
MultiFamily2	2	2	930000
MultiFamily2	3	0	562500
MultiFamily2	3	1	829328.1
MultiFamily2	3	2	551000
MultiFamily2	4	1	684937.5
MultiFamily2	4	2	1091907
MultiFamily2	4	3	1243750
MultiFamily2	5	0	1600000
MultiFamily2	5	1	993714.3
MultiFamily2	5	2	1028712
MultiFamily2	5	3	1052000
MultiFamily2	5	6	1100000
MultiFamily2	5	12	825000
MultiFamily2	6	0	1275000
MultiFamily2 MultiFamily2	6	2	820000 1036545
MultiFamily2	6	3	1691875
MultiFamily2	6	4	2882000
MultiFamily2	6	5	430000
MultiFamily2	7	2	1029500
MultiFamily2	7	3	1454286

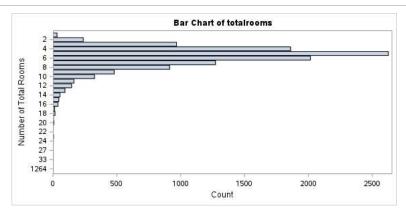
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usecode	totalrooms	bedrooms	average_price
MultiFamily2	7	4	1883000
MultiFamily2	7	5	2085000
MultiFamily2	7	6	925000
MultiFamily2	7	8	1250000
MultiFamily2	8	0	926666.7
MultiFamily2	8	1 2	482750
MultiFamily2 MultiFamily2	8	3	1962800 1234000
MultiFamily2	8	4	1155864
MultiFamily2	8	5	1126563
MultiFamily2	8	6	850000
MultiFamily2	8	7	2165000
MultiFamily2	9	0	848000
MultiFamily2	9	1	1573333
MultiFamily2	9	2	1433750
MultiFamily2	9	3	1148400
MultiFamily2	9	4	853269.2
MultiFamily2	9	5	1131383
MultiFamily2	9	6	1768333 1390000
MultiFamily2 MultiFamily2	9	9	1250000
MultiFamily2	10	0	1037500
MultiFamily2	10	1	788000
MultiFamily2	10	3	1607500
MultiFamily2	10	4	1389273
MultiFamily2	10	5	1539750
MultiFamily2	10	6	1357600
MultiFamily2	10	8	1711667
MultiFamily2	11	0	375000
MultiFamily2	11	3	1623000
MultiFamily2	11	4	1554500
MultiFamily2	11	5	2409182
MultiFamily2	11	7	1895000
MultiFamily2 MultiFamily2	11	8	392500 1741000
MultiFamily2	12	0	1802500
MultiFamily2	12	2	888916.7
MultiFamily2	12	3	875000
MultiFamily2	12	4	1422722
MultiFamily2	12	5	1477125
MultiFamily2	12	6	1682571
MultiFamily2	12	7	1516333
MultiFamily2	12	9	2855000
MultiFamily2	13	1	2038000
MultiFamily2	13	2	3150000
MultiFamily2 MultiFamily2	13	5	1616000 1560000
MultiFamily2	13	6	1541889
MultiFamily2	13	7	1890000
MultiFamily2	13	8	1200000
MultiFamily2	14	2	780000
MultiFamily2	14	5	1491250
MultiFamily2	14	6	1974167
MultiFamily2	14	7	1423333
MultiFamily2	14	8	1499000
MultiFamily2	15	0	1155000
MultiFamily2	15	4	2100000
MultiFamily2	15	5	801500
MultiFamily2 MultiFamily2	15 15	7	2265000 2565000
MultiFamily2	15	8	1433333
MultiFamily2	15	9	1467000
MultiFamily2	16	2	2345000
MultiFamily2	16	3	2130000
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MultiFamily2	16	6	1461250
MultiFamily2	16	7	1890000
MultiFamily2	16	8	2650000
MultiFamily2	16	10	540000
MultiFamily2	17	0	1950000
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MultiFamily2 MultiFamily2	17	6	2400000 1295000
MultiFamily2	18	6	825000
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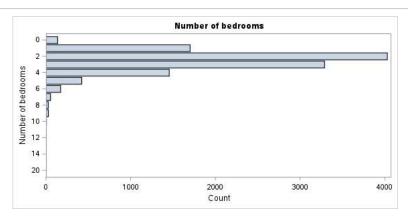
usecode totalrooms bedrooms average_price MultiFamily2 118 9 11667000 MultiFamily2 118 10 2633000 MultiFamily2 118 10 2633000 MultiFamily2 19 16 2100000 MultiFamily2 21 9 1381667 MultiFamily2 24 10 1767500 MultiFamily2 28 36 3600000 MultiFamily2 28 16 1780000 MultiFamily2 28 16 1880000 MultiFamily2 33 3300000 MultiFamily2 33 13 350000 MultiFamily2 33 13 350000 MultiFamily2 28 16 1880000 MultiFamily2 33 13 350000 SingleFamily 1 623875 SingleFamily 2 0 37000 SingleFamily 1 1 625000 SingleFamily 3			Rest	iits: finai.sa
MultiFamily2				
MultiFamily2 18 10 2633000 MultiFamily2 18 12 2800000 MultiFamily2 19 6 2100000 MultiFamily2 19 16 2601388 MultiFamily2 21 9 1381667 MultiFamily2 24 10 1767500 MultiFamily2 28 8 360000 MultiFamily2 28 16 1880000 MultiFamily2 28 16 1880000 MultiFamily2 33 13 3350000 MultiFamily5 5 2 678000 SingleFamily 1 1 670000 SingleFamily 2 1 628875 SingleFamily 2 1 628875 SingleFamily 3 1 730824.3 SingleFamily 3 1 730824.3 SingleFamily 3 3 1255000 SingleFamily 3 3 1125000				
MultiFamily2				
MultiFamily2 19 6 2100000 MultiFamily2 19 16 2601388 MultiFamily2 21 9 1381667 MultiFamily2 24 10 17675000 MultiFamily2 24 16 1760000 MultiFamily2 28 3 3600000 MultiFamily2 28 16 1880000 MultiFamily2 33 13 3350000 MultiFamily5 5 2 678000 SingleFamily 1 1 670000 SingleFamily 2 0 379000 SingleFamily 2 2 2100000 SingleFamily 3 1 73824.3 SingleFamily 3 2 2925666.7 SingleFamily 3 2 2925666.7 SingleFamily 3 3 1125000 SingleFamily 3 5 955000 SingleFamily 4 1 83213.3				
MultiFamily2				
MultiFamily2				
MultiFamily2 24 10 1767500 MultiFamily2 24 16 1760000 MultiFamily2 28 8 3600000 MultiFamily2 28 16 1880000 MultiFamily2 33 13 3350000 SingleFamily 1 1 670000 SingleFamily 2 0 379000 SingleFamily 2 1 623875 SingleFamily 2 2 2100000 SingleFamily 3 1 730824.3 SingleFamily 3 1 730824.3 SingleFamily 3 2 925666.7 SingleFamily 3 3 1125000 SingleFamily 3 4 525000 SingleFamily 4 0 2559250 SingleFamily 4 1 1470375 SingleFamily 4 2 7791816 SingleFamily 4 1 1470375 <td< td=""><td>MultiFamily2</td><td>21</td><td>9</td><td>1381667</td></td<>	MultiFamily2	21	9	1381667
MultiFamily2 24 16 1760000 MultiFamily2 28 8 3600000 MultiFamily2 33 13 3350000 MultiFamily5 5 2 678000 SingleFamily 1 1 670000 SingleFamily 2 0 379000 SingleFamily 2 2 2100000 SingleFamily 2 4 565000 SingleFamily 3 1 7308243 SingleFamily 3 2 925666.7 SingleFamily 3 3 1125000 SingleFamily 3 3 1125000 SingleFamily 4 0 2559250 SingleFamily 4 0 2559250 SingleFamily 4 1 831213 SingleFamily 4 2 791819.6 SingleFamily 4 3 996799 SingleFamily 5 0 527500 SingleF	MultiFamily2	23	5	3500000
MultiFamily2 28 8 3600000 MultiFamily2 28 16 1880000 MultiFamily2 33 13 3350000 MultiFamily5 5 2 678000 SingleFamily 1 1 670000 SingleFamily 2 0 379000 SingleFamily 2 1 623875 SingleFamily 3 1 730824.3 SingleFamily 3 1 730824.3 SingleFamily 3 2 925666.7 SingleFamily 3 4 5250000 SingleFamily 3 4 5250000 SingleFamily 4 0 2559250 SingleFamily 4 1 831281.3 SingleFamily 4 2 791819.6 SingleFamily 4 3 996799 SingleFamily 4 5 850000 SingleFamily 5 0 527500 Sing	MultiFamily2	24	10	1767500
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311/grefamily 10 7 6050000				
	singleFamily	10	7	6050000

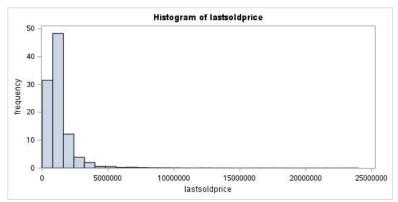
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SingleFamily	11	2	1050000
SingleFamily	11	3	1468588
SingleFamily	11	4	2587030
SingleFamily	11	5	3230750
SingleFamily	11	6	4272029
SingleFamily	11	7	4967200
SingleFamily	12	1	1800000
SingleFamily	12	2	799500
SingleFamily	12	3	1615500
SingleFamily	12	4	3155208
SingleFamily	12	5	3085286
SingleFamily	12	6	3250600
SingleFamily	12	7	6740000
SingleFamily	13	2	847500
SingleFamily	13	3	1532833
SingleFamily	13	4	2783286
SingleFamily	13	5	3955333
SingleFamily	13	6	5852857
SingleFamily	13	7	8600000
SingleFamily	13	8	1810000
SingleFamily	14	2	720000
SingleFamily	14	3	1510000
SingleFamily	14	4	2689250
SingleFamily	14	5	5490000
SingleFamily	14	6	5682667
SingleFamily	14	8	720000
SingleFamily	15	4	4352000
SingleFamily	15	5	4075000
SingleFamily	15	6	7453500
SingleFamily	15	7	7500000
SingleFamily	16	4	6740000
	16	5	3958750
SingleFamily			
SingleFamily	16	6	6170000
SingleFamily	16	7	7862500
SingleFamily	16	9	1530000
SingleFamily	17	4	6000000
SingleFamily	17	5	3900000
SingleFamily	18	3	990000
SingleFamily	18	6	11625000
SingleFamily	18	7	6500000
SingleFamily	19	5	3355000
SingleFamily	20	6	6800000
SingleFamily	23	7	6285000
	26	9	9600000
SingleFamily			
SingleFamily	28	7	23889000
Townhouse	2	1	1269000
Townhouse	3	1	642500
Townhouse	3	2	748666.7
Townhouse	4	1	785000
Townhouse	4	2	876875
Townhouse	4	3	638500
Townhouse	5	1	973000
Townhouse	5	2	877735.7
Townhouse	5	3	929333.3
Townhouse	6	2	924200
Townhouse	6	3	606200
	7	2	1002800
Townhouse		_	
Townhouse	7	3	881000
Townhouse	7	4	641333.3
Townhouse	8	1	1150000
Townhouse	8	2	990000
Townhouse	8	3	936000
Townhouse	9	3	950000
Townhouse	10	3	751000
Townhouse	10	6	950000
Townhouse	12	6	2625000
	12	3	2020000

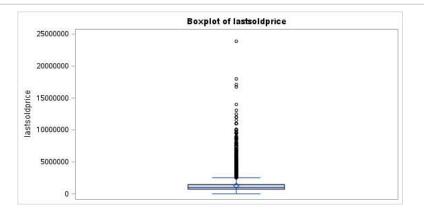








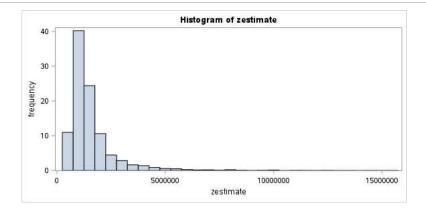


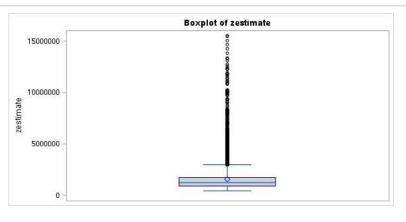


median of lastsoldprice

The MEANS Procedure

Analysis Variable : lastsoldprice
Median
990000.00





median of zestimate

The MEANS Procedure

Analysis Variable : zestimate
Median
1230758.00

Correlation of zestimate with numerical variables.

The CORR Procedure

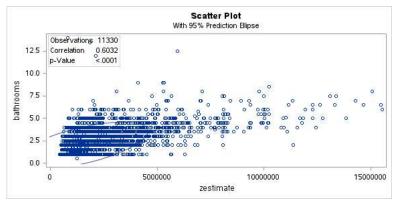
8 With Variables:	bathrooms bedrooms finishedsqft lastsoldprice totalrooms yearbuilt zestimate price_per_square_foot	
1 Variables:	zestimate	

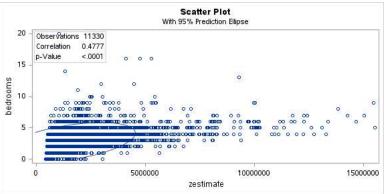
Simple Statistics									
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum			
bathrooms	11330	1.98023	1.04736	22436	0.50000	14.00000			
bedrooms	11330	2.61447	1.29946	29622	0	20.00000			
finishedsqft	11330	1585	921.97825	17962819	1.00000	27275			
lastsoldprice	11330	1263928	1042079	1.43203E10	535.00000	23889000			
totalrooms	11330	6.11156	12.12582	69244	1.00000	1264			
yearbuilt	11330	1948	37.91120	22076484	1860	2016			
zestimate	11330	1565695	1229417	1.77393E10	432385	15533253			
price_per_square_foot	11330	1761	33861	19949622	0.46725	1930000			

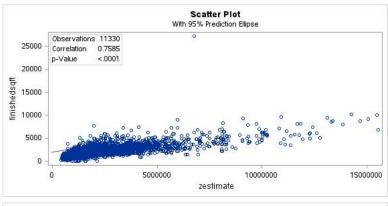
Pearson Correlation Coefficie Prob > r under H0: F	
	zestimate
bathrooms	0.60316 <.0001
bedrooms	0.47768 <.0001
finishedsqft	0.75849 <.0001
lastsoldprice	0.87694 <.0001
totalrooms	0.11199 <.0001
yearbuilt	-0.21256 <.0001
zestimate	1.00000
price_per_square_foot	0.00093 0.9210

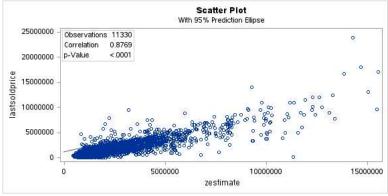
Correlation of zestimate with numerical variables.

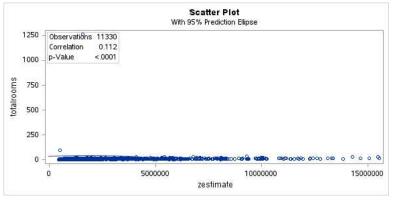
The CORR Procedure











Regression model 1

The REG Procedure Model: MODEL1 pendent Variable: zestimate

Number of Observations Read 11330 Number of Observations Used 11330

		Analysis of Va	ariance		
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1.424625E16	4.748749E15	18693.6	<.0001
Error	11326	2.877154E15	2.540309E11		
Corrected Total	11329	1.71234E16			

Root MSE	504015	R-Square	0.8320
Dependent Mean	1565695	Adj R-Sq	0.8319
Coeff Var	32.19112		

Parameter Estimates								
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t			
Intercept	1	-136521	10421	-13.10	<.0001			
lastsoldprice	1	0.78058	0.00602	129.75	<.0001			
finishedsqft	1	419.68249	8.25507	50.84	<.0001			
bathrooms	1	25373	6566,18158	3.86	0.0001			

Regression model 2

The REG Procedure Model: MODEL1 Dependent Variable: zestimate

Number of Observations Read	11330	
Number of Observations Used	11330	

Analysis of Variance								
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F			
Model	5	1.426167E16	2.852334E15	11286.8	<.0001			
Error	11324	2.86173E15	2.527137E11					
Corrected Total	11329	1.71234E16						

Root MSE	502706	R-Square	0.8329
Dependent Mean	1565695	Adj R-Sq	0.8328
Coeff Var	32.10755		

Parameter Estimates								
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t			
Intercept	1	193236	270189	0.72	0.4745			
lastsoldprice	1	0.77160	0.00612	126.10	<.0001			
finishedsqft	1	447.00624	9.13460	48.94	<.0001			
bathrooms	1	53029	7615,19000	6.96	<.0001			
bedrooms	1	-45902	5930.75133	-7.74	<.0001			
yearbuilt	1	-152.15986	137.06924	-1.11	0.2670			

Predicted values

Obs	lastsoldprice	finishedsqft	bathrooms	bedrooms	yearbuilt	MODEL1
1	100000	800	1.0	1	2015	328525.84
2	350000	1500	3.5	3	2015	875099.00
3	1120000	2200	4.0	5	2011	1717456.08
4	2500000	2890	4.0	5	2016	3089940.78

The average (mean) of price_per_square_foot By zipcode

Obs	zipcode	_TYPE_	_FREQ_	price_per_square_foot
1		0	11330	1760.78
2	94102	1	318	928.85
3	94103	1	360	3018.24
4	94104	1	1	866,67
5	94105	1	340	2856.13
6	94107	1	857	1659.79
7	94108	1	114	1001.95
8	94109	1	653	919.28
9	94110	1	935	3474.67
10	94111	1	38	823.54
11	94112	1	877	573.12
12	94114	1	651	1012.22
13	94115	1	534	940.64
14	94116	1	655	650.60
15	94117	1	473	2691.56
16	94118	1	466	834.23
17	94121	1	527	695.39
18	94122	1	601	642.40
19	94123	1	430	1188.12
20	94124	1	393	431,21
21	94127	1	435	710.00
22	94131	1	687	3703.84
23	94132	1	292	3190.92
24	94133	1	183	7832.94
25	94134	1	439	499.77
26	94158	1	71	21914.18

The average (mean) of zestimate By totalrooms

Obs	totalrooms	_TYPE_	_FREQ_	zestimate
1		0	11330	1565695.261
2	1	1	32	864987.34375

Obs	totalrooms	_TYPE_	_FREQ_	zestimate
3	2	1	237	790535.90717
4	3	1	967	872228.56774
5	4	1	1860	1096498.8914
6	5	1	2625	1269967.613
7	6	1	2015	1530213.5012
8	7	1	1272	1738700.6682
9	8	1	913	1927580.8258
10	9	1	479	2472959.428
11	10	1	325	2840516.6615
12	11	1	164	3267640.75
13	12	1	146	3047366.2466
14	13	1	94	3692985.0638
15	14	1	55	3530035.1091
16	15	1	46	4273266.8913
17	16	1	39	4120780.2821
18	17	1	13	3178413.9231
19	18	1	16	4178196.1875
20	19	1	4	3739224.25
21	20	1	7	6404786.8571
22	21	1	3	2012261
23	22	1	1	5684941
24	23	1	5	3106397.4
25	24	1	3	3662498.3333
26	26	1	2	8765272
27	27	1	1	5430463
28	28	1	3	8381745
29	33	1	1	9304469
30	94	1	1	502285
31	1264	1	1	1591608