

**Part 2 - Drop variables address, info, z\_address, neighborhood, latitude, longitude, and zipid using DATA statement  
(first 10 observations only)**

bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode
2.0	2	1043	20501	1300000	4	Condomin	2007	1167508	94103
1.0	1	903	20501	750000	3	Condomin	2004	823719	94107
4.0	3	1425	20501	1495000	6	Condomin	2003	1708594	94107
3.0	3	2231	20501	2700000	10	SingleFa	1927	2411236	94107
3.0	3	1300	20501	1530000	4	SingleFa	1900	1918539	94110
1.0	2	1250	20501	460000	5	SingleFa	1924	703392	94112
1.0	3	1032	20501	532000	6	SingleFa	1939	741715	94112
1.0	2	1200	20501	1050000	5	SingleFa	1924	1023650	94112
3.5	4	2700	20501	3500000	9	SingleFa	1912	3604950	94114
2.0	3	2016	20501	1500000	7	Condomin	1890	1547314	94117

**Part 2 - Drop variables address, info, z\_address, neighborhood, latitude, longitude, and zipid using PROC SQL  
(first 10 observations only)**

bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode
2	2	1043	20501	1300000	4	Condomin	2007	1167508	94103
1	1	903	20501	750000	3	Condomin	2004	823719	94107
4	3	1425	20501	1495000	6	Condomin	2003	1708594	94107
3	3	2231	20501	2700000	10	SingleFa	1927	2411236	94107
3	3	1300	20501	1530000	4	SingleFa	1900	1918539	94110
1	2	1250	20501	460000	5	SingleFa	1924	703392	94112
1	3	1032	20501	532000	6	SingleFa	1939	741715	94112
1	2	1200	20501	1050000	5	SingleFa	1924	1023650	94112
3.5	4	2700	20501	3500000	9	SingleFa	1912	3604950	94114
2	3	2016	20501	1500000	7	Condomin	1890	1547314	94117

**Part 3 - Add new variable price\_per\_square\_foot using DATA statement  
(first 10 observations only)**

bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode	price_per_square_foot
2.0	2	1043	20501	1300000	4	Condomin	2007	1167508	94103	1,246.40
1.0	1	903	20501	750000	3	Condomin	2004	823719	94107	830.56
4.0	3	1425	20501	1495000	6	Condomin	2003	1708594	94107	1,049.12
3.0	3	2231	20501	2700000	10	SingleFa	1927	2411236	94107	1,210.22
3.0	3	1300	20501	1530000	4	SingleFa	1900	1918539	94110	1,176.92
1.0	2	1250	20501	460000	5	SingleFa	1924	703392	94112	368.00
1.0	3	1032	20501	532000	6	SingleFa	1939	741715	94112	515.50
1.0	2	1200	20501	1050000	5	SingleFa	1924	1023650	94112	875.00
3.5	4	2700	20501	3500000	9	SingleFa	1912	3604950	94114	1,296.30
2.0	3	2016	20501	1500000	7	Condomin	1890	1547314	94117	744.05

**Part 3 - Add new variable price\_per\_square\_foot using PROC SQL  
(first 10 observations only)**

bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode	price_per_square_foot	
2	2	1043	20501	1300000	4	Condomin	2007	1167508	94103	1246.405	1.00
1	1	903	20501	750000	3	Condomin	2004	823719	94107	830.5648	1.00
4	3	1425	20501	1495000	6	Condomin	2003	1708594	94107	1049.123	1.00
3	3	2231	20501	2700000	10	SingleFa	1927	2411236	94107	1210.22	1.00

bathrooms	bedrooms	finishedsqft	lastsolddate	lastsoldprice	totalrooms	usecode	yearbuilt	zestimate	zipcode	price_per_square_foot	
3	3	1300	20501	1530000	4	SingleFa	1900	1918539	94110	1176.923	1.00
1	2	1250	20501	460000	5	SingleFa	1924	703392	94112	368	1.00
1	3	1032	20501	532000	6	SingleFa	1939	741715	94112	515.5039	1.00
1	2	1200	20501	1050000	5	SingleFa	1924	1023650	94112	875	1.00
3.5	4	2700	20501	3500000	9	SingleFa	1912	3604950	94114	1296.296	1.00
2	3	2016	20501	1500000	7	Condomin	1890	1547314	94117	744.0476	1.00

Part 4 - Find average of lastsoldprice by zipcode using Data statement

zipcode	avg_soldprice
94102	835,957.49
94103	1,057,806.08
94104	1,300,000.00
94105	1,202,028.24
94107	1,115,271.06
94108	1,479,360.53
94109	1,274,315.54
94110	1,235,720.02
94111	1,078,907.89
94112	763,993.29
94114	1,685,736.43
94115	1,860,896.42
94116	1,019,365.35
94117	1,454,416.58
94118	1,835,655.89
94121	1,474,686.53
94122	1,070,692.68
94123	2,449,347.67
94124	573,805.64
94127	1,365,385.56
94131	1,382,432.57
94132	774,159.25
94133	1,718,297.81
94134	650,733.71
94158	976,035.21

Part 4 - Find average of lastsoldprice by zipcode using PROC SQL

zipcode	avg_soldprice
94102	835,957.49
94103	1,057,806.08
94104	1,300,000.00
94105	1,202,028.24
94107	1,115,271.06
94108	1,479,360.53
94109	1,274,315.54
94110	1,235,720.02
94111	1,078,907.89
94112	763,993.29
94114	1,685,736.43
94115	1,860,896.42
94116	1,019,365.35
94117	1,454,416.58

zipcode	avg_soldprice
94118	1,835,655.89
94121	1,474,686.53
94122	1,070,692.68
94123	2,449,347.67
94124	573,805.64
94127	1,365,385.56
94131	1,382,432.57
94132	774,159.25
94133	1,718,297.81
94134	650,733.71
94158	976,035.21

## Part 5 - Find average of lastsoldprice by usecode, totalrooms, bedrooms using Data statement

bedrooms	totalrooms	usecode	avg_soldprice
2	7	Apartment	1,330,000.00
1	5	Apartment	845,000.00
2	5	Apartment	1,850,000.00
2	1264	Condomin	1,375,000.00
2	94	Condomin	325,000.00
2	26	Condomin	1,678,000.00
4	23	Condomin	1,950,000.00
2	20	Condomin	850,000.00
5	20	Condomin	1,250,000.00
9	20	Condomin	3,800,000.00
2	18	Condomin	1,355,000.00
4	18	Condomin	1,225,000.00
2	17	Condomin	2,000,000.00
3	17	Condomin	1,065,000.00
3	16	Condomin	1,135,000.00
2	15	Condomin	750,000.00
3	15	Condomin	1,288,000.00
4	15	Condomin	3,950,000.00
1	14	Condomin	2,095,000.00
2	14	Condomin	962,500.00
2	13	Condomin	1,153,750.00
3	13	Condomin	1,362,000.00
1	12	Condomin	715,000.00
2	12	Condomin	1,287,500.00
3	12	Condomin	5,500,000.00
4	12	Condomin	906,000.00
1	11	Condomin	700,000.00
2	11	Condomin	1,187,750.00
3	11	Condomin	1,209,333.33
4	11	Condomin	1,916,937.50
1	10	Condomin	1,420,000.00
2	10	Condomin	1,002,800.00
3	10	Condomin	1,612,571.43
4	10	Condomin	2,328,666.67
2	9	Condomin	1,292,692.31
3	9	Condomin	1,912,014.29
4	9	Condomin	2,245,666.67
5	9	Condomin	3,225,000.00
1	8	Condomin	588,000.00

bedrooms	totalrooms	usecode	avg_soldprice
2	8	Condomin	1,231,062.50
3	8	Condomin	1,734,625.00
4	8	Condomin	1,896,264.71
5	8	Condomin	1,213,250.00
6	8	Condomin	995,000.00
1	7	Condomin	1,119,666.67
2	7	Condomin	1,326,273.58
3	7	Condomin	1,637,920.38
4	7	Condomin	1,573,389.83
5	7	Condomin	3,620,000.00
1	6	Condomin	1,043,375.00
2	6	Condomin	1,351,535.24
3	6	Condomin	1,493,546.65
4	6	Condomin	1,488,900.00
20	6	Condomin	965,000.00
0	5	Condomin	363,000.00
1	5	Condomin	879,108.87
2	5	Condomin	1,173,502.70
3	5	Condomin	1,227,470.11
4	5	Condomin	1,335,000.00
0	4	Condomin	1,537,500.00
1	4	Condomin	787,536.55
2	4	Condomin	1,000,287.19
3	4	Condomin	949,911.76
0	3	Condomin	488,590.91
1	3	Condomin	684,366.20
2	3	Condomin	980,411.10
3	3	Condomin	2,183,875.00
0	2	Condomin	474,083.33
1	2	Condomin	660,961.15
2	2	Condomin	1,158,444.44
0	1	Condomin	494,366.67
1	1	Condomin	1,141,777.78
2	1	Condomin	1,007,500.00
14	23	Cooperat	440,000.00
2	5	Cooperat	1,080,000.00
3	5	Cooperat	1,200,000.00
2	24	Duplex	860,000.00
2	22	Duplex	675,000.00
8	20	Duplex	2,700,000.00
8	19	Duplex	2,200,000.00
8	18	Duplex	1,709,000.00
9	18	Duplex	1,940,000.00
3	17	Duplex	1,440,000.00
4	17	Duplex	1,320,000.00
7	17	Duplex	1,225,000.00
3	16	Duplex	1,810,000.00
6	16	Duplex	3,849,000.00
7	16	Duplex	1,470,000.00
9	16	Duplex	2,150,000.00
2	15	Duplex	1,993,250.00
6	15	Duplex	745,750.00
7	15	Duplex	1,169,000.00
8	15	Duplex	1,465,750.00
2	14	Duplex	2,204,500.00

bedrooms	totalrooms	usecode	avg_soldprice
3	14	Duplex	625,000.00
4	14	Duplex	1,150,000.00
5	14	Duplex	1,900,000.00
6	14	Duplex	1,888,375.00
7	14	Duplex	1,850,000.00
1	13	Duplex	460,000.00
3	13	Duplex	910,000.00
4	13	Duplex	1,600,000.00
5	13	Duplex	2,506,250.00
6	13	Duplex	1,184,166.67
7	13	Duplex	2,123,000.00
4	12	Duplex	933,600.00
5	12	Duplex	2,100,000.00
6	12	Duplex	1,601,681.82
7	12	Duplex	1,728,750.00
1	11	Duplex	608,500.00
3	11	Duplex	2,965,000.00
4	11	Duplex	1,151,100.00
5	11	Duplex	1,524,000.00
7	11	Duplex	1,190,000.00
3	10	Duplex	812,500.00
4	10	Duplex	1,296,500.00
5	10	Duplex	1,497,500.00
2	9	Duplex	2,300,000.00
3	9	Duplex	870,800.00
4	9	Duplex	1,525,000.00
2	8	Duplex	1,200,000.00
3	8	Duplex	1,342,500.00
4	8	Duplex	1,350,166.67
5	8	Duplex	870,000.00
3	7	Duplex	1,142,500.00
4	7	Duplex	554,000.00
2	6	Duplex	603,750.00
4	6	Duplex	815,000.00
3	5	Duplex	640,000.00
10	27	Miscella	1,625,000.00
5	13	Miscella	1,700,000.00
7	13	Miscella	1,650,000.00
4	12	Miscella	2,400,000.00
3	10	Miscella	1,100,000.00
2	9	Miscella	1,700,000.00
4	9	Miscella	3,025,000.00
3	8	Miscella	1,050,000.00
2	7	Miscella	1,135,000.00
3	7	Miscella	1,099,000.00
3	6	Miscella	1,000,000.00
2	5	Miscella	2,500,000.00
1	4	Miscella	655,000.00
2	4	Miscella	1,155,000.00
2	1	Miscella	1,410,000.00
3	6	Mobile	1,994,000.00
2	4	Mobile	1,400,000.00
13	33	MultiFam	3,350,000.00
8	28	MultiFam	3,600,000.00
16	28	MultiFam	1,880,000.00

bedrooms	totalrooms	usecode	avg_soldprice
10	24	MultiFam	1,767,500.00
16	24	MultiFam	1,760,000.00
5	23	MultiFam	3,500,000.00
9	21	MultiFam	1,381,666.67
6	19	MultiFam	2,100,000.00
16	19	MultiFam	2,601,388.00
6	18	MultiFam	825,000.00
7	18	MultiFam	2,160,000.00
9	18	MultiFam	1,367,500.00
10	18	MultiFam	2,633,000.00
12	18	MultiFam	2,800,000.00
0	17	MultiFam	1,950,000.00
5	17	MultiFam	1,265,000.00
6	17	MultiFam	2,400,000.00
9	17	MultiFam	1,295,000.00
2	16	MultiFam	2,345,000.00
3	16	MultiFam	2,130,000.00
4	16	MultiFam	1,775,000.00
5	16	MultiFam	1,632,625.00
6	16	MultiFam	1,461,250.00
7	16	MultiFam	1,890,000.00
8	16	MultiFam	2,650,000.00
10	16	MultiFam	540,000.00
0	15	MultiFam	1,155,000.00
4	15	MultiFam	2,100,000.00
5	15	MultiFam	801,500.00
6	15	MultiFam	2,265,000.00
7	15	MultiFam	2,565,000.00
8	15	MultiFam	1,433,333.33
9	15	MultiFam	1,467,000.00
2	14	MultiFam	780,000.00
5	14	MultiFam	1,491,250.00
6	14	MultiFam	1,974,166.67
7	14	MultiFam	1,423,333.33
8	14	MultiFam	1,499,000.00
1	13	MultiFam	2,038,000.00
2	13	MultiFam	3,150,000.00
4	13	MultiFam	1,616,000.00
5	13	MultiFam	1,560,000.00
6	13	MultiFam	1,541,888.89
7	13	MultiFam	1,890,000.00
8	13	MultiFam	1,200,000.00
0	12	MultiFam	1,802,500.00
2	12	MultiFam	888,916.67
3	12	MultiFam	875,000.00
4	12	MultiFam	1,422,722.22
5	12	MultiFam	1,477,125.00
6	12	MultiFam	1,682,571.43
7	12	MultiFam	1,516,333.33
9	12	MultiFam	2,855,000.00
0	11	MultiFam	375,000.00
3	11	MultiFam	1,623,000.00
4	11	MultiFam	1,554,500.00
5	11	MultiFam	2,409,181.82
6	11	MultiFam	1,895,000.00

bedrooms	totalrooms	usecode	avg_soldprice
7	11	MultiFam	392,500.00
8	11	MultiFam	1,741,000.00
0	10	MultiFam	1,037,500.00
1	10	MultiFam	788,000.00
3	10	MultiFam	1,607,500.00
4	10	MultiFam	1,389,272.73
5	10	MultiFam	1,539,750.00
6	10	MultiFam	1,357,600.00
8	10	MultiFam	1,711,666.67
0	9	MultiFam	848,000.00
1	9	MultiFam	1,573,333.33
2	9	MultiFam	1,433,750.00
3	9	MultiFam	1,148,400.00
4	9	MultiFam	853,269.23
5	9	MultiFam	1,131,383.33
6	9	MultiFam	1,768,333.33
7	9	MultiFam	1,390,000.00
9	9	MultiFam	1,250,000.00
0	8	MultiFam	926,666.67
1	8	MultiFam	482,750.00
2	8	MultiFam	1,962,800.00
3	8	MultiFam	1,234,000.00
4	8	MultiFam	1,155,863.64
5	8	MultiFam	1,126,562.50
6	8	MultiFam	850,000.00
7	8	MultiFam	2,165,000.00
2	7	MultiFam	1,029,500.00
3	7	MultiFam	1,454,285.71
4	7	MultiFam	1,883,000.00
5	7	MultiFam	2,085,000.00
6	7	MultiFam	925,000.00
8	7	MultiFam	1,250,000.00
0	6	MultiFam	1,275,000.00
1	6	MultiFam	820,000.00
2	6	MultiFam	1,036,545.45
3	6	MultiFam	1,691,875.00
4	6	MultiFam	2,882,000.00
5	6	MultiFam	430,000.00
0	5	MultiFam	1,600,000.00
1	5	MultiFam	993,714.29
2	5	MultiFam	1,003,660.71
3	5	MultiFam	1,052,000.00
6	5	MultiFam	1,100,000.00
12	5	MultiFam	825,000.00
1	4	MultiFam	684,937.50
2	4	MultiFam	1,091,906.98
3	4	MultiFam	1,243,750.00
0	3	MultiFam	562,500.00
1	3	MultiFam	829,328.13
2	3	MultiFam	551,000.00
0	2	MultiFam	375,000.00
1	2	MultiFam	807,250.00
2	2	MultiFam	930,000.00
0	1	MultiFam	452,500.00
1	1	MultiFam	685,000.00

bedrooms	totalrooms	usecode	avg_soldprice
7	28	SingleFa	23,889,000.00
9	26	SingleFa	9,600,000.00
7	23	SingleFa	6,285,000.00
6	20	SingleFa	6,800,000.00
5	19	SingleFa	3,355,000.00
3	18	SingleFa	990,000.00
6	18	SingleFa	11,625,000.00
7	18	SingleFa	6,500,000.00
4	17	SingleFa	6,000,000.00
5	17	SingleFa	3,900,000.00
4	16	SingleFa	6,740,000.00
5	16	SingleFa	3,958,750.00
6	16	SingleFa	6,170,000.00
7	16	SingleFa	7,862,500.00
9	16	SingleFa	1,530,000.00
4	15	SingleFa	4,352,000.00
5	15	SingleFa	4,075,000.00
6	15	SingleFa	7,453,500.00
7	15	SingleFa	7,500,000.00
2	14	SingleFa	720,000.00
3	14	SingleFa	1,510,000.00
4	14	SingleFa	2,689,250.00
5	14	SingleFa	5,490,000.00
6	14	SingleFa	5,682,666.67
8	14	SingleFa	720,000.00
2	13	SingleFa	847,500.00
3	13	SingleFa	1,532,833.33
4	13	SingleFa	2,783,285.71
5	13	SingleFa	3,955,333.33
6	13	SingleFa	5,852,857.14
7	13	SingleFa	8,600,000.00
8	13	SingleFa	1,810,000.00
1	12	SingleFa	1,800,000.00
2	12	SingleFa	799,500.00
3	12	SingleFa	1,615,500.00
4	12	SingleFa	3,155,208.33
5	12	SingleFa	3,085,285.71
6	12	SingleFa	3,250,600.00
7	12	SingleFa	6,740,000.00
2	11	SingleFa	1,050,000.00
3	11	SingleFa	1,468,588.24
4	11	SingleFa	2,587,030.30
5	11	SingleFa	3,230,750.00
6	11	SingleFa	4,272,029.41
7	11	SingleFa	4,967,200.00
2	10	SingleFa	1,441,807.69
3	10	SingleFa	1,824,163.46
4	10	SingleFa	2,533,079.91
5	10	SingleFa	2,977,221.15
6	10	SingleFa	2,273,280.00
7	10	SingleFa	6,050,000.00
8	10	SingleFa	16,760,000.00
0	9	SingleFa	950,000.00
1	9	SingleFa	620,000.00
2	9	SingleFa	972,222.22



bedrooms	totalrooms	usecode	avg_soldprice
3	9	SingleFa	1,795,021.43
4	9	SingleFa	2,266,106.29
5	9	SingleFa	2,212,795.89
6	9	SingleFa	1,780,964.29
9	9	SingleFa	1,575,000.00
0	8	SingleFa	594,000.00
1	8	SingleFa	863,125.00
2	8	SingleFa	1,224,957.63
3	8	SingleFa	1,477,341.47
4	8	SingleFa	1,752,201.52
5	8	SingleFa	1,451,913.46
6	8	SingleFa	2,020,000.00
8	8	SingleFa	738,000.00
11	8	SingleFa	1,100,000.00
0	7	SingleFa	839,000.00
1	7	SingleFa	769,500.00
2	7	SingleFa	1,108,831.97
3	7	SingleFa	1,362,865.98
4	7	SingleFa	1,417,419.80
5	7	SingleFa	2,050,310.81
7	7	SingleFa	936,500.00
8	7	SingleFa	844,000.00
9	7	SingleFa	1,405,000.00
1	6	SingleFa	1,110,600.00
2	6	SingleFa	1,059,102.74
3	6	SingleFa	1,185,621.21
4	6	SingleFa	1,282,911.94
5	6	SingleFa	1,431,644.44
6	6	SingleFa	1,522,000.00
0	5	SingleFa	527,500.00
1	5	SingleFa	1,029,629.63
2	5	SingleFa	911,582.72
3	5	SingleFa	1,003,692.22
4	5	SingleFa	1,377,670.00
5	5	SingleFa	2,080,264.71
6	5	SingleFa	516,166.67
0	4	SingleFa	2,559,250.00
1	4	SingleFa	831,281.25
2	4	SingleFa	791,819.59
3	4	SingleFa	996,799.02
4	4	SingleFa	1,470,375.00
5	4	SingleFa	850,000.00
1	3	SingleFa	730,824.32
2	3	SingleFa	925,666.67
3	3	SingleFa	1,125,000.00
4	3	SingleFa	5,250,000.00
5	3	SingleFa	955,000.00
0	2	SingleFa	379,000.00
1	2	SingleFa	623,875.00
2	2	SingleFa	2,100,000.00
4	2	SingleFa	565,000.00
1	1	SingleFa	670,000.00
6	12	Townhous	2,625,000.00
3	10	Townhous	751,000.00
6	10	Townhous	950,000.00

bedrooms	totalrooms	usecode	avg_soldprice
3	9	Townhous	950,000.00
1	8	Townhous	1,150,000.00
2	8	Townhous	990,000.00
3	8	Townhous	936,000.00
2	7	Townhous	1,002,800.00
3	7	Townhous	881,000.00
4	7	Townhous	641,333.33
2	6	Townhous	924,200.00
3	6	Townhous	606,200.00
1	5	Townhous	973,000.00
2	5	Townhous	877,735.67
3	5	Townhous	929,333.33
1	4	Townhous	785,000.00
2	4	Townhous	876,875.00
3	4	Townhous	638,500.00
1	3	Townhous	642,500.00
2	3	Townhous	748,666.67
1	2	Townhous	1,269,000.00

#### Part 5 - Find average of lastsoldprice by usecode, totalrooms, bedrooms using PROC SQL

usecode	totalrooms	bedrooms	avg_soldprice
Apartmen	7	2	1,330,000.00
Apartmen	5	1	845,000.00
Apartmen	5	2	1,850,000.00
Condomin	1264	2	1,375,000.00
Condomin	94	2	325,000.00
Condomin	26	2	1,678,000.00
Condomin	23	4	1,950,000.00
Condomin	20	2	850,000.00
Condomin	20	5	1,250,000.00
Condomin	20	9	3,800,000.00
Condomin	18	2	1,355,000.00
Condomin	18	4	1,225,000.00
Condomin	17	2	2,000,000.00
Condomin	17	3	1,065,000.00
Condomin	16	3	1,135,000.00
Condomin	15	2	750,000.00
Condomin	15	3	1,288,000.00
Condomin	15	4	3,950,000.00
Condomin	14	1	2,095,000.00
Condomin	14	2	962,500.00
Condomin	13	2	1,153,750.00
Condomin	13	3	1,362,000.00
Condomin	12	1	715,000.00
Condomin	12	2	1,287,500.00
Condomin	12	3	5,500,000.00
Condomin	12	4	906,000.00
Condomin	11	1	700,000.00
Condomin	11	2	1,187,750.00
Condomin	11	3	1,209,333.33
Condomin	11	4	1,916,937.50
Condomin	10	1	1,420,000.00
Condomin	10	2	1,002,800.00

usecode	totalrooms	bedrooms	avg_soldprice
Condomin	10	3	1,612,571.43
Condomin	10	4	2,328,666.67
Condomin	9	2	1,292,692.31
Condomin	9	3	1,912,014.29
Condomin	9	4	2,245,666.67
Condomin	9	5	3,225,000.00
Condomin	8	1	588,000.00
Condomin	8	2	1,231,062.50
Condomin	8	3	1,734,625.00
Condomin	8	4	1,896,264.71
Condomin	8	5	1,213,250.00
Condomin	8	6	995,000.00
Condomin	7	1	1,119,666.67
Condomin	7	2	1,326,273.58
Condomin	7	3	1,637,920.38
Condomin	7	4	1,573,389.83
Condomin	7	5	3,620,000.00
Condomin	6	1	1,043,375.00
Condomin	6	2	1,351,535.24
Condomin	6	3	1,493,546.65
Condomin	6	4	1,488,900.00
Condomin	6	20	965,000.00
Condomin	5	0	363,000.00
Condomin	5	1	879,108.87
Condomin	5	2	1,173,502.70
Condomin	5	3	1,227,470.11
Condomin	5	4	1,335,000.00
Condomin	4	0	1,537,500.00
Condomin	4	1	787,536.55
Condomin	4	2	1,000,287.19
Condomin	4	3	949,911.76
Condomin	3	0	488,590.91
Condomin	3	1	684,366.20
Condomin	3	2	980,411.10
Condomin	3	3	2,183,875.00
Condomin	2	0	474,083.33
Condomin	2	1	660,961.15
Condomin	2	2	1,158,444.44
Condomin	1	0	494,366.67
Condomin	1	1	1,141,777.78
Condomin	1	2	1,007,500.00
Cooperat	23	14	440,000.00
Cooperat	5	2	1,080,000.00
Cooperat	5	3	1,200,000.00
Duplex	24	2	860,000.00
Duplex	22	2	675,000.00
Duplex	20	8	2,700,000.00
Duplex	19	8	2,200,000.00
Duplex	18	8	1,709,000.00
Duplex	18	9	1,940,000.00
Duplex	17	3	1,440,000.00
Duplex	17	4	1,320,000.00
Duplex	17	7	1,225,000.00
Duplex	16	3	1,810,000.00
Duplex	16	6	3,849,000.00

usecode	totalrooms	bedrooms	avg_soldprice
Duplex	16	7	1,470,000.00
Duplex	16	9	2,150,000.00
Duplex	15	2	1,993,250.00
Duplex	15	6	745,750.00
Duplex	15	7	1,169,000.00
Duplex	15	8	1,465,750.00
Duplex	14	2	2,204,500.00
Duplex	14	3	625,000.00
Duplex	14	4	1,150,000.00
Duplex	14	5	1,900,000.00
Duplex	14	6	1,888,375.00
Duplex	14	7	1,850,000.00
Duplex	13	1	460,000.00
Duplex	13	3	910,000.00
Duplex	13	4	1,600,000.00
Duplex	13	5	2,506,250.00
Duplex	13	6	1,184,166.67
Duplex	13	7	2,123,000.00
Duplex	12	4	933,600.00
Duplex	12	5	2,100,000.00
Duplex	12	6	1,601,681.82
Duplex	12	7	1,728,750.00
Duplex	11	1	608,500.00
Duplex	11	3	2,965,000.00
Duplex	11	4	1,151,100.00
Duplex	11	5	1,524,000.00
Duplex	11	7	1,190,000.00
Duplex	10	3	812,500.00
Duplex	10	4	1,296,500.00
Duplex	10	5	1,497,500.00
Duplex	9	2	2,300,000.00
Duplex	9	3	870,800.00
Duplex	9	4	1,525,000.00
Duplex	8	2	1,200,000.00
Duplex	8	3	1,342,500.00
Duplex	8	4	1,350,166.67
Duplex	8	5	870,000.00
Duplex	7	3	1,142,500.00
Duplex	7	4	554,000.00
Duplex	6	2	603,750.00
Duplex	6	4	815,000.00
Duplex	5	3	640,000.00
Miscella	27	10	1,625,000.00
Miscella	13	5	1,700,000.00
Miscella	13	7	1,650,000.00
Miscella	12	4	2,400,000.00
Miscella	10	3	1,100,000.00
Miscella	9	2	1,700,000.00
Miscella	9	4	3,025,000.00
Miscella	8	3	1,050,000.00
Miscella	7	2	1,135,000.00
Miscella	7	3	1,099,000.00
Miscella	6	3	1,000,000.00
Miscella	5	2	2,500,000.00
Miscella	4	1	655,000.00

usecode	totalrooms	bedrooms	avg_soldprice
Miscella	4	2	1,155,000.00
Miscella	1	2	1,410,000.00
Mobile	6	3	1,994,000.00
Mobile	4	2	1,400,000.00
MultiFam	33	13	3,350,000.00
MultiFam	28	8	3,600,000.00
MultiFam	28	16	1,880,000.00
MultiFam	24	10	1,767,500.00
MultiFam	24	16	1,760,000.00
MultiFam	23	5	3,500,000.00
MultiFam	21	9	1,381,666.67
MultiFam	19	6	2,100,000.00
MultiFam	19	16	2,601,388.00
MultiFam	18	6	825,000.00
MultiFam	18	7	2,160,000.00
MultiFam	18	9	1,367,500.00
MultiFam	18	10	2,633,000.00
MultiFam	18	12	2,800,000.00
MultiFam	17	0	1,950,000.00
MultiFam	17	5	1,265,000.00
MultiFam	17	6	2,400,000.00
MultiFam	17	9	1,295,000.00
MultiFam	16	2	2,345,000.00
MultiFam	16	3	2,130,000.00
MultiFam	16	4	1,775,000.00
MultiFam	16	5	1,632,625.00
MultiFam	16	6	1,461,250.00
MultiFam	16	7	1,890,000.00
MultiFam	16	8	2,650,000.00
MultiFam	16	10	540,000.00
MultiFam	15	0	1,155,000.00
MultiFam	15	4	2,100,000.00
MultiFam	15	5	801,500.00
MultiFam	15	6	2,265,000.00
MultiFam	15	7	2,565,000.00
MultiFam	15	8	1,433,333.33
MultiFam	15	9	1,467,000.00
MultiFam	14	2	780,000.00
MultiFam	14	5	1,491,250.00
MultiFam	14	6	1,974,166.67
MultiFam	14	7	1,423,333.33
MultiFam	14	8	1,499,000.00
MultiFam	13	1	2,038,000.00
MultiFam	13	2	3,150,000.00
MultiFam	13	4	1,616,000.00
MultiFam	13	5	1,560,000.00
MultiFam	13	6	1,541,888.89
MultiFam	13	7	1,890,000.00
MultiFam	13	8	1,200,000.00
MultiFam	12	0	1,802,500.00
MultiFam	12	2	888,916.67
MultiFam	12	3	875,000.00
MultiFam	12	4	1,422,722.22
MultiFam	12	5	1,477,125.00
MultiFam	12	6	1,682,571.43

usecode	totalrooms	bedrooms	avg_soldprice
MultiFam	12	7	1,516,333.33
MultiFam	12	9	2,855,000.00
MultiFam	11	0	375,000.00
MultiFam	11	3	1,623,000.00
MultiFam	11	4	1,554,500.00
MultiFam	11	5	2,409,181.82
MultiFam	11	6	1,895,000.00
MultiFam	11	7	392,500.00
MultiFam	11	8	1,741,000.00
MultiFam	10	0	1,037,500.00
MultiFam	10	1	788,000.00
MultiFam	10	3	1,607,500.00
MultiFam	10	4	1,389,272.73
MultiFam	10	5	1,539,750.00
MultiFam	10	6	1,357,600.00
MultiFam	10	8	1,711,666.67
MultiFam	9	0	848,000.00
MultiFam	9	1	1,573,333.33
MultiFam	9	2	1,433,750.00
MultiFam	9	3	1,148,400.00
MultiFam	9	4	853,269.23
MultiFam	9	5	1,131,383.33
MultiFam	9	6	1,768,333.33
MultiFam	9	7	1,390,000.00
MultiFam	9	9	1,250,000.00
MultiFam	8	0	926,666.67
MultiFam	8	1	482,750.00
MultiFam	8	2	1,962,800.00
MultiFam	8	3	1,234,000.00
MultiFam	8	4	1,155,863.64
MultiFam	8	5	1,126,562.50
MultiFam	8	6	850,000.00
MultiFam	8	7	2,165,000.00
MultiFam	7	2	1,029,500.00
MultiFam	7	3	1,454,285.71
MultiFam	7	4	1,883,000.00
MultiFam	7	5	2,085,000.00
MultiFam	7	6	925,000.00
MultiFam	7	8	1,250,000.00
MultiFam	6	0	1,275,000.00
MultiFam	6	1	820,000.00
MultiFam	6	2	1,036,545.45
MultiFam	6	3	1,691,875.00
MultiFam	6	4	2,882,000.00
MultiFam	6	5	430,000.00
MultiFam	5	0	1,600,000.00
MultiFam	5	1	993,714.29
MultiFam	5	2	1,003,660.71
MultiFam	5	3	1,052,000.00
MultiFam	5	6	1,100,000.00
MultiFam	5	12	825,000.00
MultiFam	4	1	684,937.50
MultiFam	4	2	1,091,906.98
MultiFam	4	3	1,243,750.00
MultiFam	3	0	562,500.00

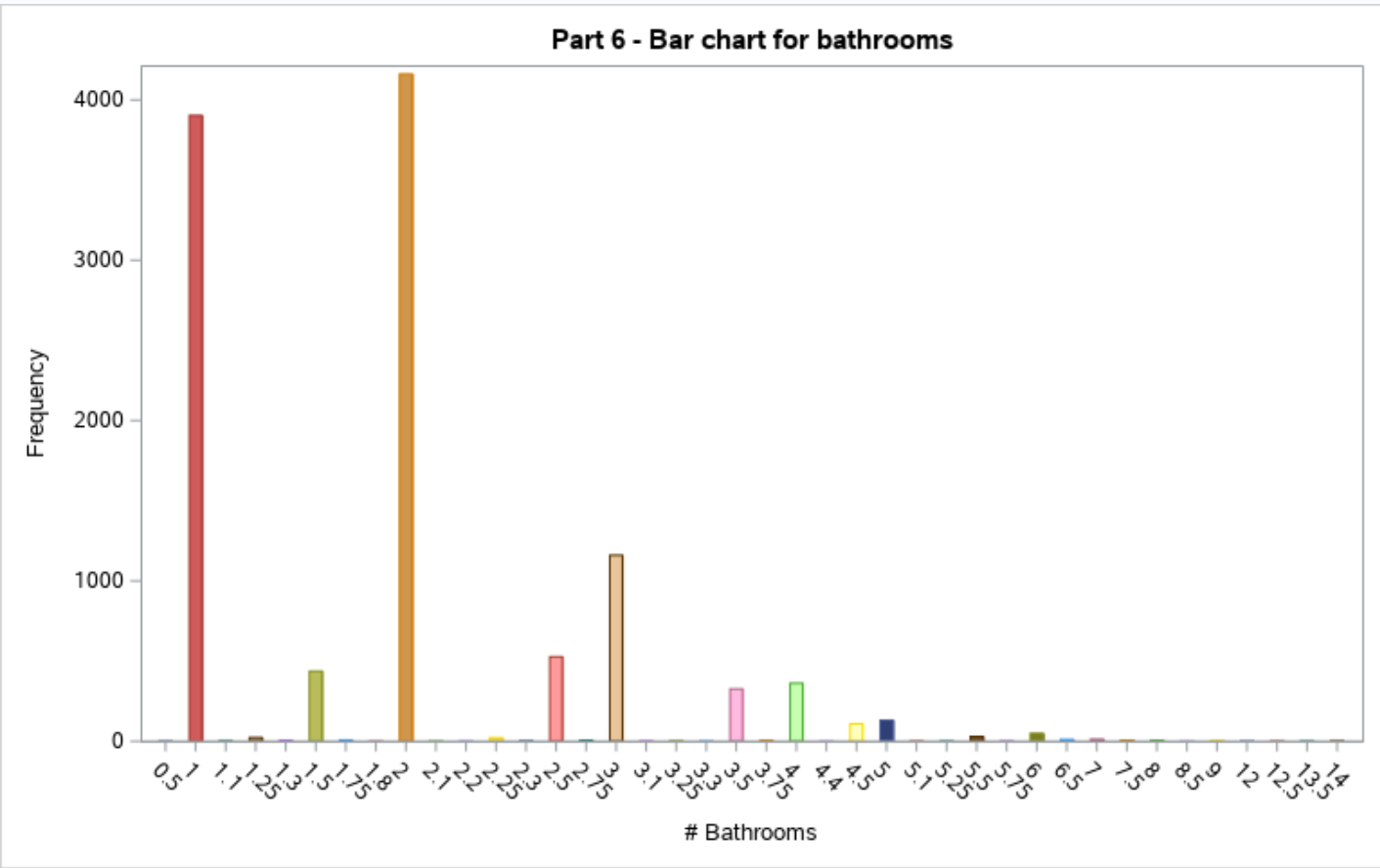
usecode	totalrooms	bedrooms	avg_soldprice
MultiFam	3	1	829,328.13
MultiFam	3	2	551,000.00
MultiFam	2	0	375,000.00
MultiFam	2	1	807,250.00
MultiFam	2	2	930,000.00
MultiFam	1	0	452,500.00
MultiFam	1	1	685,000.00
SingleFa	28	7	23,889,000.00
SingleFa	26	9	9,600,000.00
SingleFa	23	7	6,285,000.00
SingleFa	20	6	6,800,000.00
SingleFa	19	5	3,355,000.00
SingleFa	18	3	990,000.00
SingleFa	18	6	11,625,000.00
SingleFa	18	7	6,500,000.00
SingleFa	17	4	6,000,000.00
SingleFa	17	5	3,900,000.00
SingleFa	16	4	6,740,000.00
SingleFa	16	5	3,958,750.00
SingleFa	16	6	6,170,000.00
SingleFa	16	7	7,862,500.00
SingleFa	16	9	1,530,000.00
SingleFa	15	4	4,352,000.00
SingleFa	15	5	4,075,000.00
SingleFa	15	6	7,453,500.00
SingleFa	15	7	7,500,000.00
SingleFa	14	2	720,000.00
SingleFa	14	3	1,510,000.00
SingleFa	14	4	2,689,250.00
SingleFa	14	5	5,490,000.00
SingleFa	14	6	5,682,666.67
SingleFa	14	8	720,000.00
SingleFa	13	2	847,500.00
SingleFa	13	3	1,532,833.33
SingleFa	13	4	2,783,285.71
SingleFa	13	5	3,955,333.33
SingleFa	13	6	5,852,857.14
SingleFa	13	7	8,600,000.00
SingleFa	13	8	1,810,000.00
SingleFa	12	1	1,800,000.00
SingleFa	12	2	799,500.00
SingleFa	12	3	1,615,500.00
SingleFa	12	4	3,155,208.33
SingleFa	12	5	3,085,285.71
SingleFa	12	6	3,250,600.00
SingleFa	12	7	6,740,000.00
SingleFa	11	2	1,050,000.00
SingleFa	11	3	1,468,588.24
SingleFa	11	4	2,587,030.30
SingleFa	11	5	3,230,750.00
SingleFa	11	6	4,272,029.41
SingleFa	11	7	4,967,200.00
SingleFa	10	2	1,441,807.69
SingleFa	10	3	1,824,163.46
SingleFa	10	4	2,533,079.91

usecode	totalrooms	bedrooms	avg_soldprice
SingleFa	10	5	2,977,221.15
SingleFa	10	6	2,273,280.00
SingleFa	10	7	6,050,000.00
SingleFa	10	8	16,760,000.00
SingleFa	9	0	950,000.00
SingleFa	9	1	620,000.00
SingleFa	9	2	972,222.22
SingleFa	9	3	1,795,021.43
SingleFa	9	4	2,266,106.29
SingleFa	9	5	2,212,795.89
SingleFa	9	6	1,780,964.29
SingleFa	9	9	1,575,000.00
SingleFa	8	0	594,000.00
SingleFa	8	1	863,125.00
SingleFa	8	2	1,224,957.63
SingleFa	8	3	1,477,341.47
SingleFa	8	4	1,752,201.52
SingleFa	8	5	1,451,913.46
SingleFa	8	6	2,020,000.00
SingleFa	8	8	738,000.00
SingleFa	8	11	1,100,000.00
SingleFa	7	0	839,000.00
SingleFa	7	1	769,500.00
SingleFa	7	2	1,108,831.97
SingleFa	7	3	1,362,865.98
SingleFa	7	4	1,417,419.80
SingleFa	7	5	2,050,310.81
SingleFa	7	7	936,500.00
SingleFa	7	8	844,000.00
SingleFa	7	9	1,405,000.00
SingleFa	6	1	1,110,600.00
SingleFa	6	2	1,059,102.74
SingleFa	6	3	1,185,621.21
SingleFa	6	4	1,282,911.94
SingleFa	6	5	1,431,644.44
SingleFa	6	6	1,522,000.00
SingleFa	5	0	527,500.00
SingleFa	5	1	1,029,629.63
SingleFa	5	2	911,582.72
SingleFa	5	3	1,003,692.22
SingleFa	5	4	1,377,670.00
SingleFa	5	5	2,080,264.71
SingleFa	5	6	516,166.67
SingleFa	4	0	2,559,250.00
SingleFa	4	1	831,281.25
SingleFa	4	2	791,819.59
SingleFa	4	3	996,799.02
SingleFa	4	4	1,470,375.00
SingleFa	4	5	850,000.00
SingleFa	3	1	730,824.32
SingleFa	3	2	925,666.67
SingleFa	3	3	1,125,000.00
SingleFa	3	4	5,250,000.00
SingleFa	3	5	955,000.00
SingleFa	2	0	379,000.00

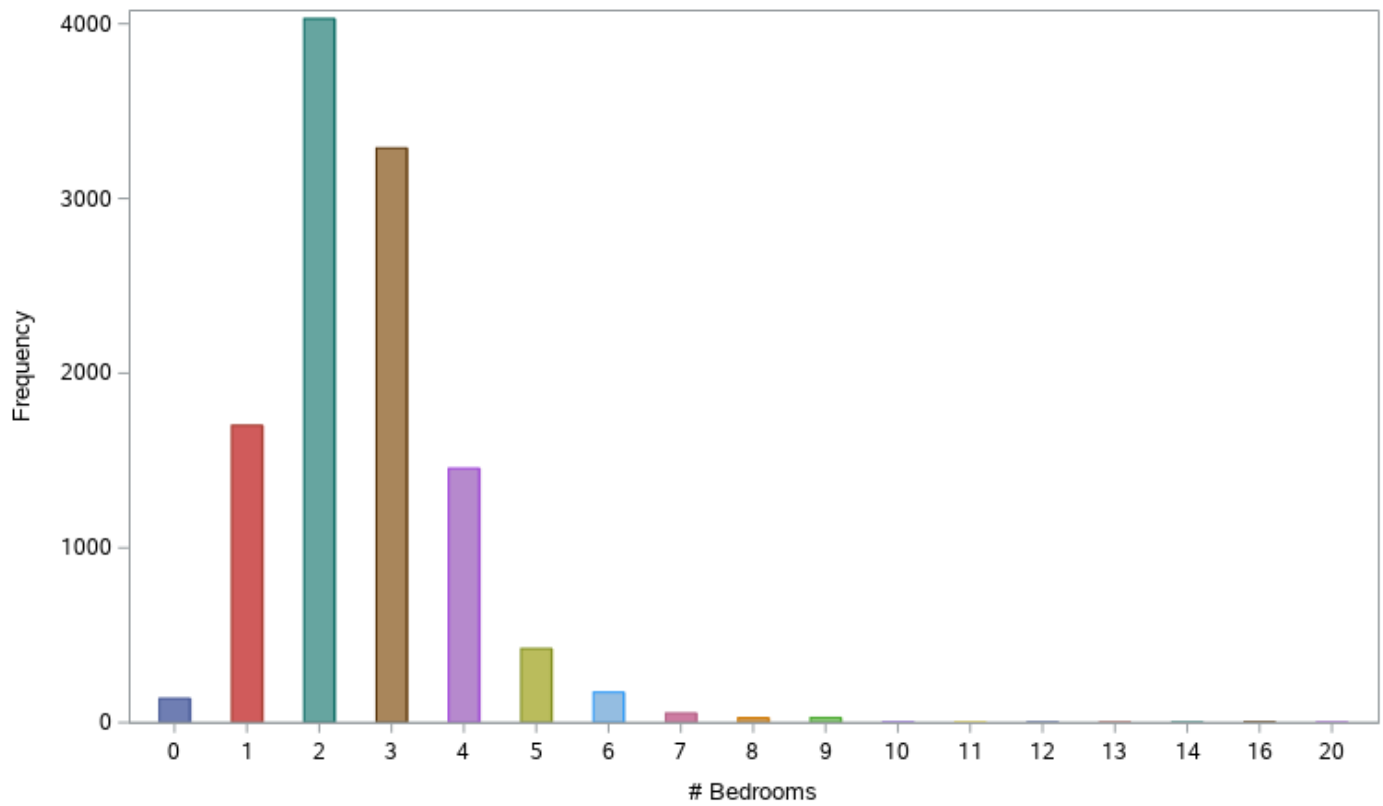


usecode	totalrooms	bedrooms	avg_soldprice
SingleFa	2	1	623,875.00
SingleFa	2	2	2,100,000.00
SingleFa	2	4	565,000.00
SingleFa	1	1	670,000.00
Townhous	12	6	2,625,000.00
Townhous	10	3	751,000.00
Townhous	10	6	950,000.00
Townhous	9	3	950,000.00
Townhous	8	1	1,150,000.00
Townhous	8	2	990,000.00
Townhous	8	3	936,000.00
Townhous	7	2	1,002,800.00
Townhous	7	3	881,000.00
Townhous	7	4	641,333.33
Townhous	6	2	924,200.00
Townhous	6	3	606,200.00
Townhous	5	1	973,000.00
Townhous	5	2	877,735.67
Townhous	5	3	929,333.33
Townhous	4	1	785,000.00
Townhous	4	2	876,875.00
Townhous	4	3	638,500.00
Townhous	3	1	642,500.00
Townhous	3	2	748,666.67
Townhous	2	1	1,269,000.00

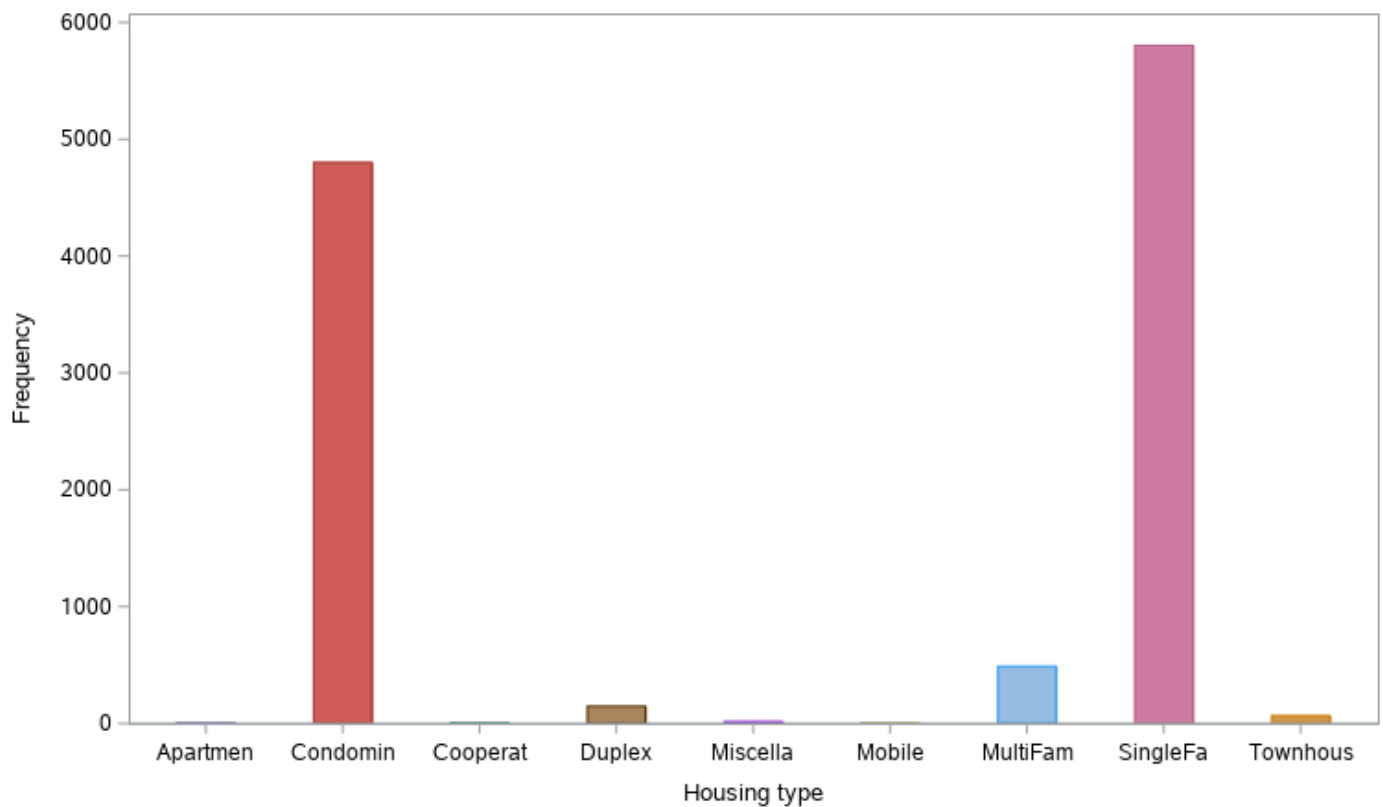
Part 6 - Bar chart for bathrooms



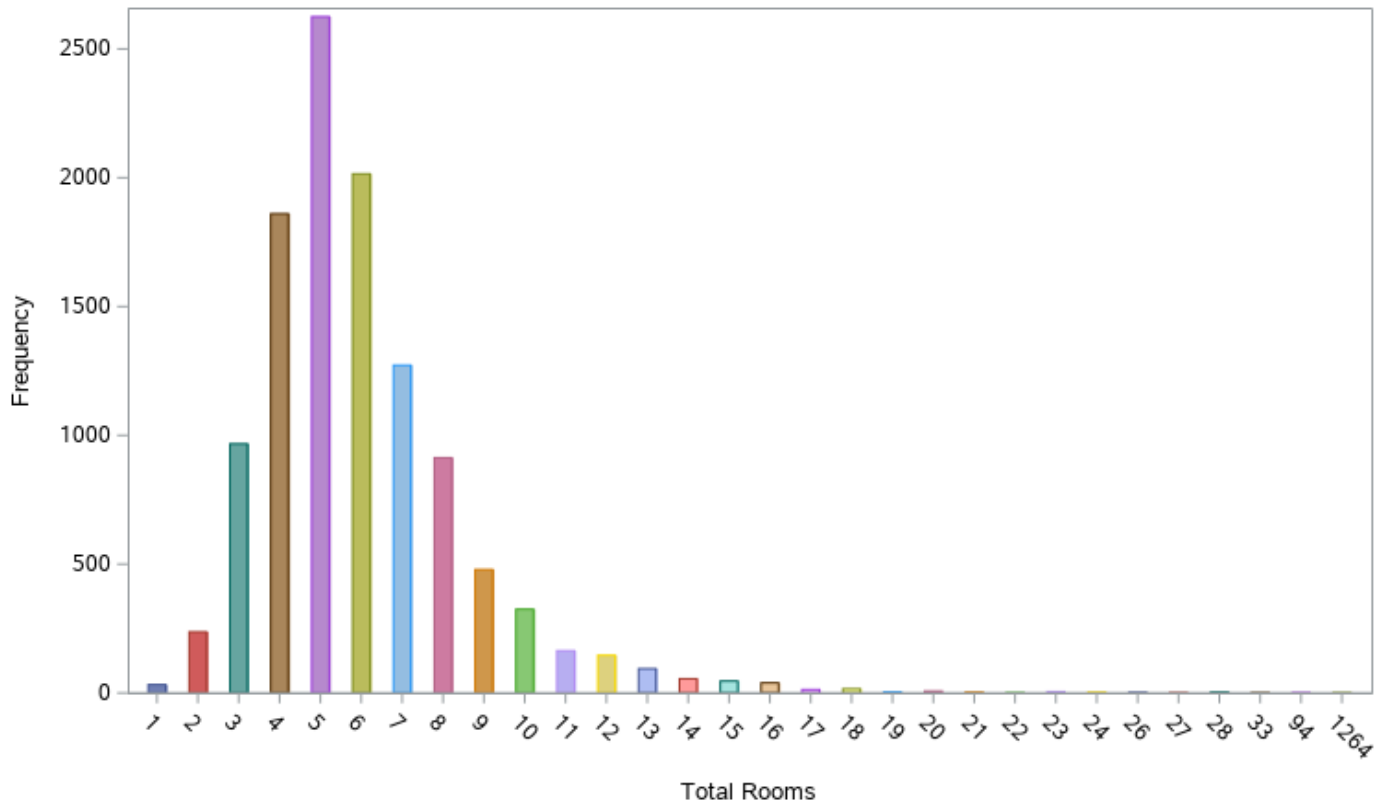
Part 6 - Bar chart for bedrooms



Part 6 - Bar chart for usecode



Part 6 - Bar chart for totalrooms



Part 7 - Plot Histogram, Box Plot, for lastsoldprice and zestimate

The UNIVARIATE Procedure  
Variable: lastsoldprice

Moments			
N	11330	Sum Weights	11330
Mean	1263928.19	Sum Observations	1.43203E10
Std Deviation	1042079.05	Variance	1.08593E12
Skewness	5.30144437	Kurtosis	55.2737426
Uncorrected SS	3.04023E16	Corrected SS	1.23025E16
Coeff Variation	82.4476469	Std Error Mean	9790.06803

Basic Statistical Measures			
Location		Variability	
Mean	1263928	Std Deviation	1042079
Median	990000	Variance	1.08593E12
Mode	1200000	Range	23888465
		Interquartile Range	721000

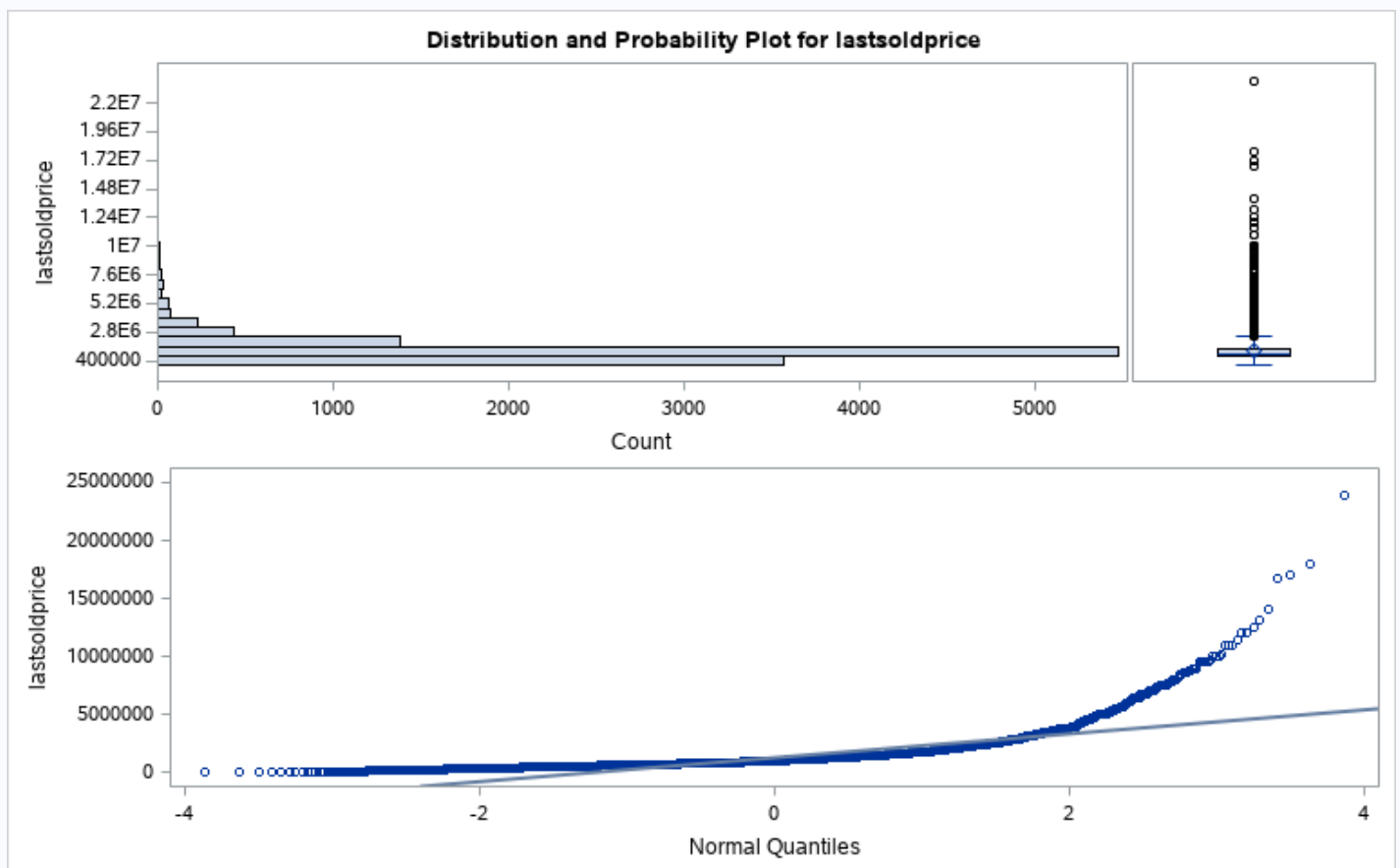
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	129.1031	Pr >  t	<.0001
Sign	M	5665	Pr >=  M	<.0001
Signed Rank	S	32095058	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.184442	Pr > D	<0.0100
Cramer-von Mises	W-Sq	167.3451	Pr > W-Sq	<0.0050

Tests for Normality				
Test	Statistic		p Value	
Anderson-Darling	A-Sq	922.2121	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	23889000
99%	5500000
95%	2885000
90%	2150000
75% Q3	1450000
50% Median	990000
25% Q1	729000
10%	555000
5%	450000
1%	240000
0% Min	535

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
535	11290	14000000	11075
600	180	16760000	10975
1000	5136	17100000	11181
3000	6647	18000000	11257
5450	8327	23889000	11264



**The UNIVARIATE Procedure**  
**Variable: zestimate**

Moments			
<b>N</b>	11330	<b>Sum Weights</b>	11330
<b>Mean</b>	1565695.26	<b>Sum Observations</b>	1.77393E10
<b>Std Deviation</b>	1229417.07	<b>Variance</b>	1.51147E12
<b>Skewness</b>	4.13726128	<b>Kurtosis</b>	25.6721448
<b>Uncorrected SS</b>	4.48978E16	<b>Corrected SS</b>	1.71234E16
<b>Coeff Variation</b>	78.5221172	<b>Std Error Mean</b>	11550.0611

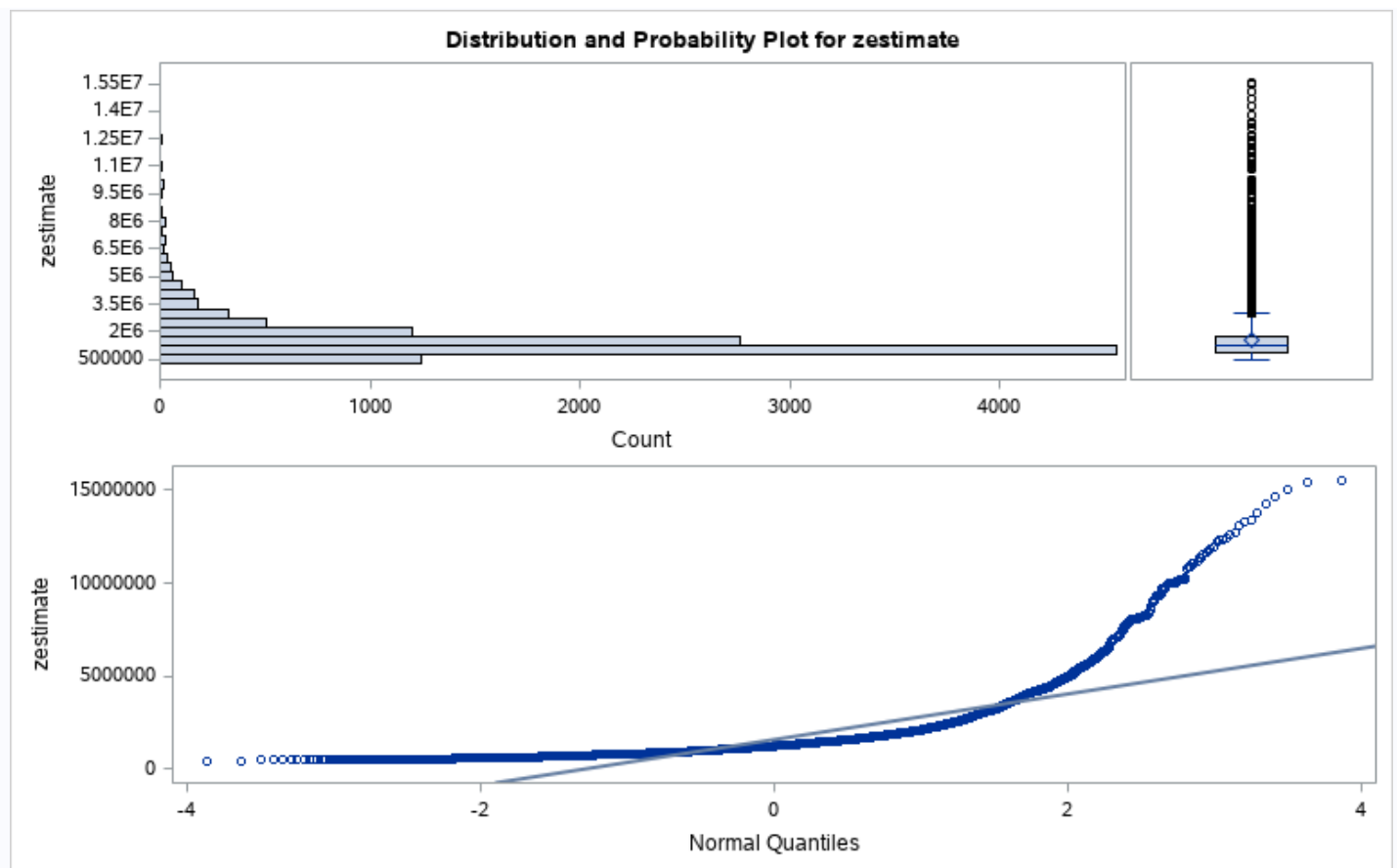
Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	1565695	<b>Std Deviation</b>	1229417
<b>Median</b>	1230758	<b>Variance</b>	1.51147E12
<b>Mode</b>	1101226	<b>Range</b>	15100868
		<b>Interquartile Range</b>	826100

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	135.5573	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	<b>M</b>	5665	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	<b>S</b>	32095058	<b>Pr &gt;=  S </b>	<.0001

Tests for Normality				
Test	Statistic		p Value	
<b>Kolmogorov-Smirnov</b>	<b>D</b>	0.197334	<b>Pr &gt; D</b>	<0.0100
<b>Cramer-von Mises</b>	<b>W-Sq</b>	189.7233	<b>Pr &gt; W-Sq</b>	<0.0050
<b>Anderson-Darling</b>	<b>A-Sq</b>	1032.953	<b>Pr &gt; A-Sq</b>	<0.0050

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	15533253
<b>99%</b>	7045051
<b>95%</b>	3699838
<b>90%</b>	2639476
<b>75% Q3</b>	1731330
<b>50% Median</b>	1230758
<b>25% Q1</b>	905230
<b>10%</b>	738029
<b>5%</b>	641875
<b>1%</b>	536665
<b>0% Min</b>	432385

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
432385	35	14272621	11264
433999	36	14658165	11257
458909	1034	15048610	11249
464318	942	15463813	11263
466307	941	15533253	11181



## Part 8 - Correlations of all numerical variables with zestimate - Scatter Plot

### The CORR Procedure

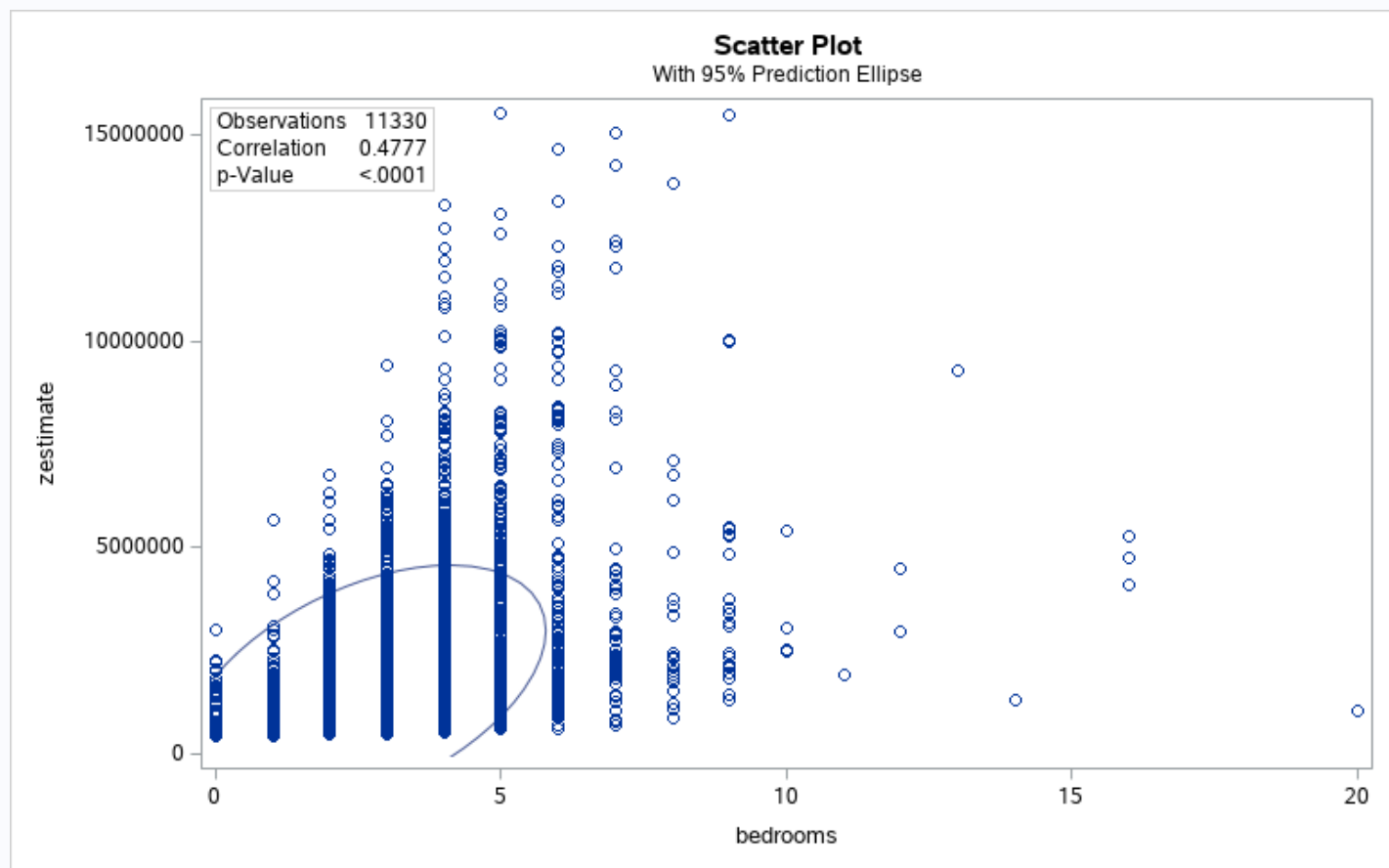
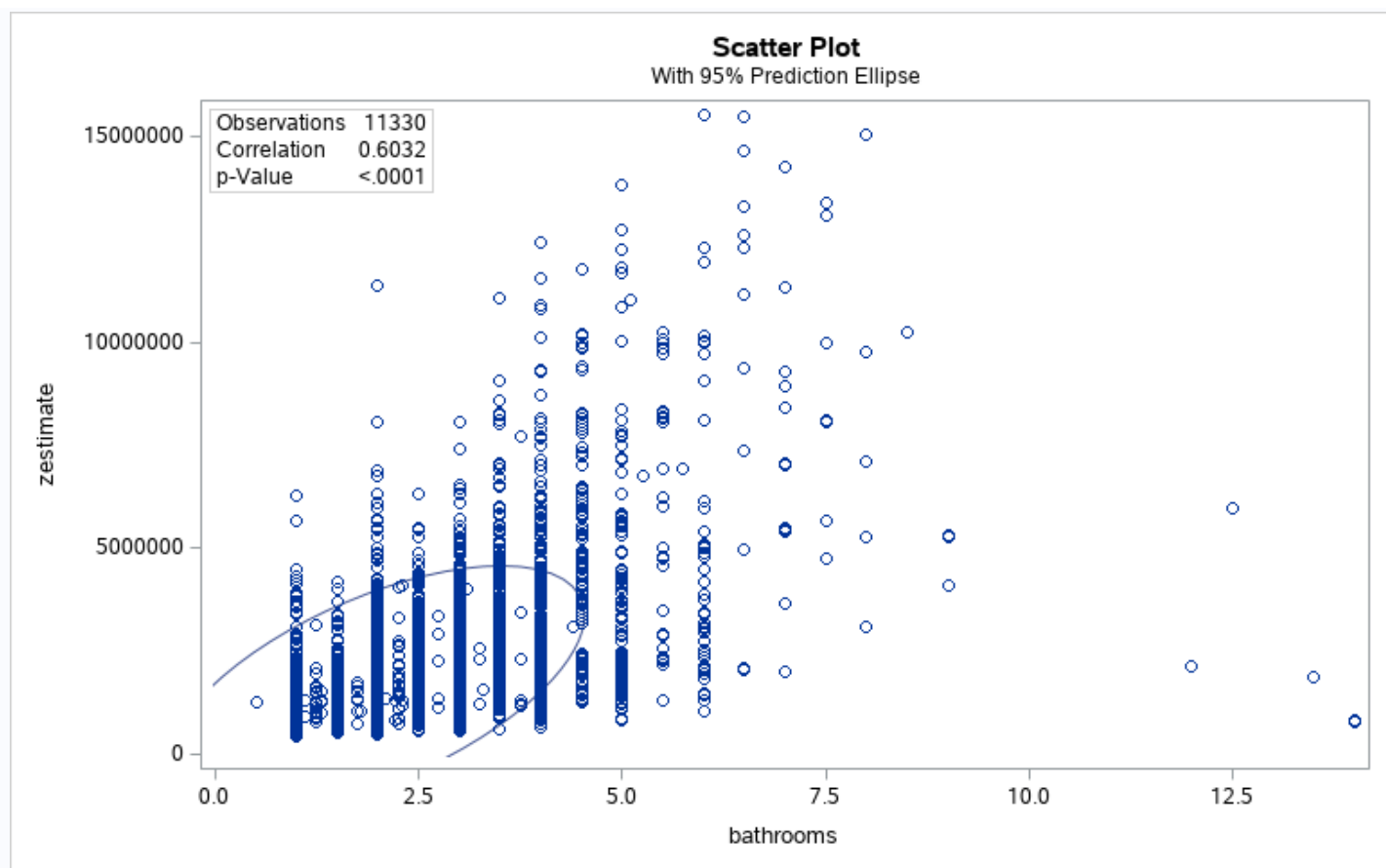
<b>1 With Variables:</b>	zestimate
<b>9 Variables:</b>	bathrooms bedrooms totalrooms finishedsqft lastsolddate lastsoldprice yearbuilt zipcode price_per_square_foot

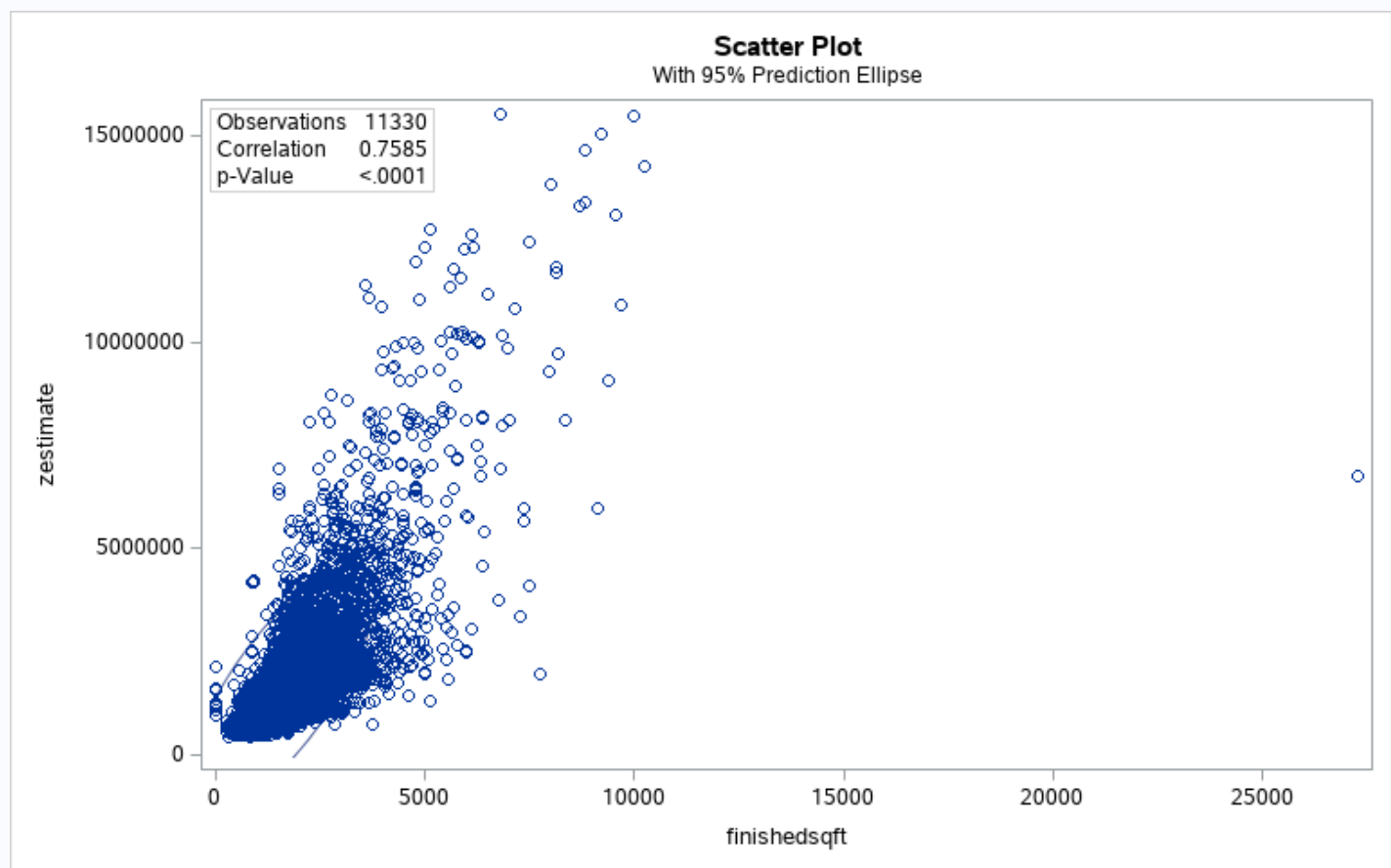
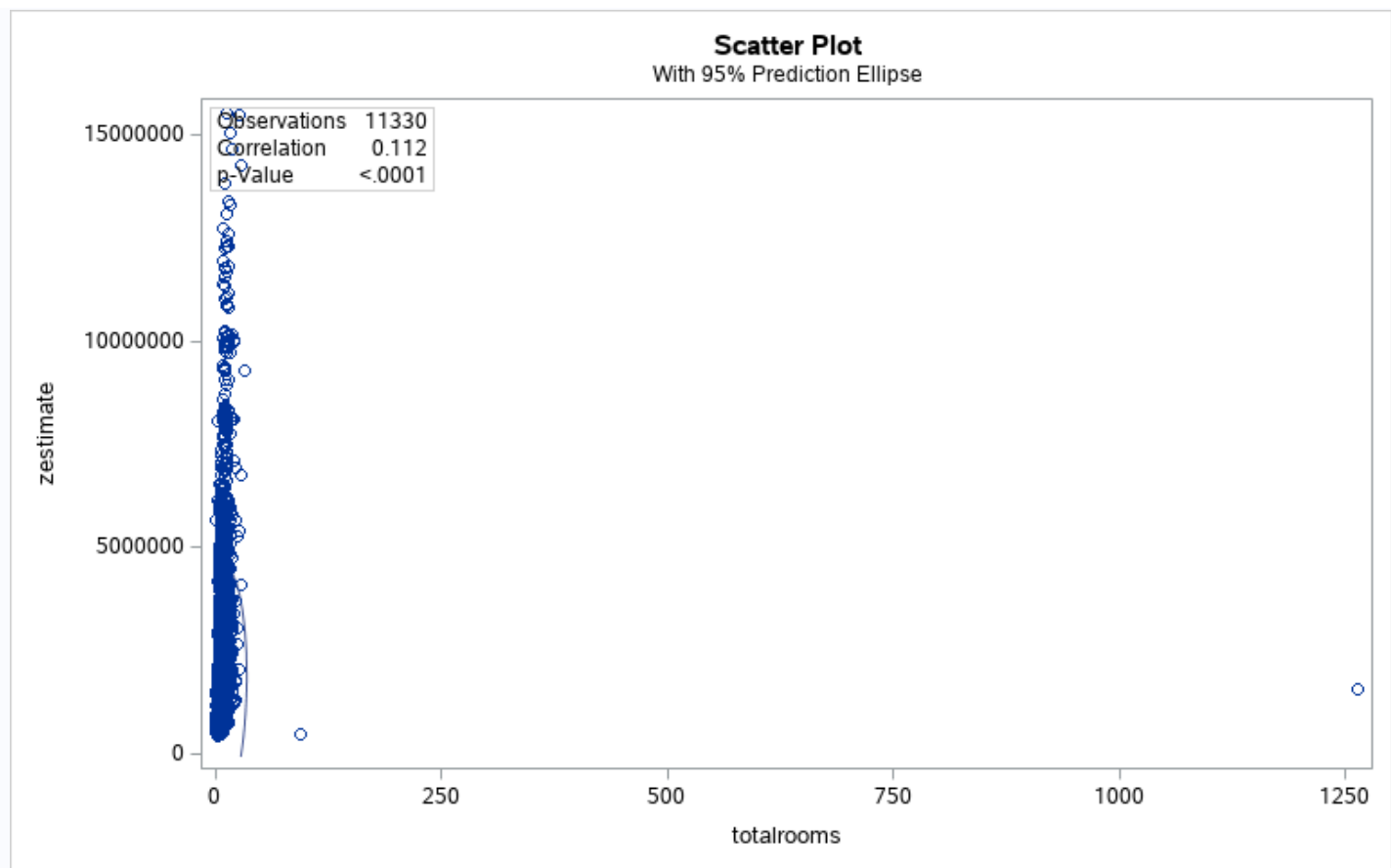
Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
zestimate	11330	1565695	1229417	1.77393E10	432385	15533253
bathrooms	11330	1.98023	1.04736	22436	0.50000	14.00000
bedrooms	11330	2.61447	1.29946	29622	0	20.00000
totalrooms	11330	6.11156	12.12582	69244	1.00000	1264
finishedsqft	11330	1585	921.97825	17962819	1.00000	27275
lastsolddate	11330	19851	527.69286	224917260	3927	20541
lastsoldprice	11330	1263928	1042079	1.43203E10	535.00000	23889000
yearbuilt	11330	1948	37.91120	22076484	1860	2016
zipcode	11330	94117	9.40088	1066344613	94102	94158
price_per_square_foot	11330	1761	33861	19949622	0.46725	1930000

Pearson Correlation Coefficients, N = 11330									
Prob >  r  under H0: Rho=0									
zestimate	lastsoldprice	finishedsqft	bathrooms	bedrooms	yearbuilt	totalrooms	zipcode	lastsolddate	price_per_square_foot
	0.87694	0.75849	0.60316	0.47768	-0.21256	0.11199	0.03453	-0.02256	0.00093
	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	0.0002	0.0163	0.9210

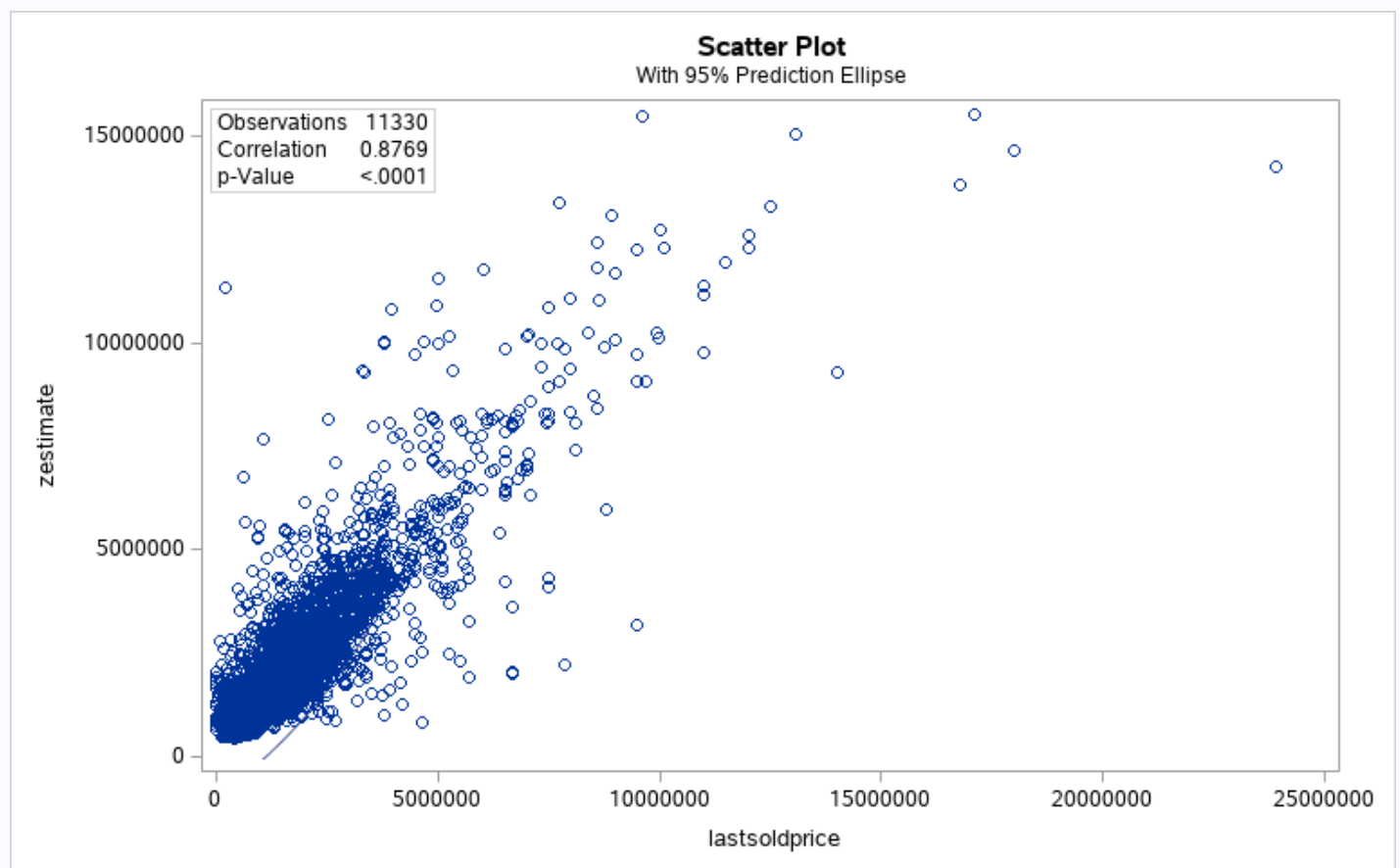
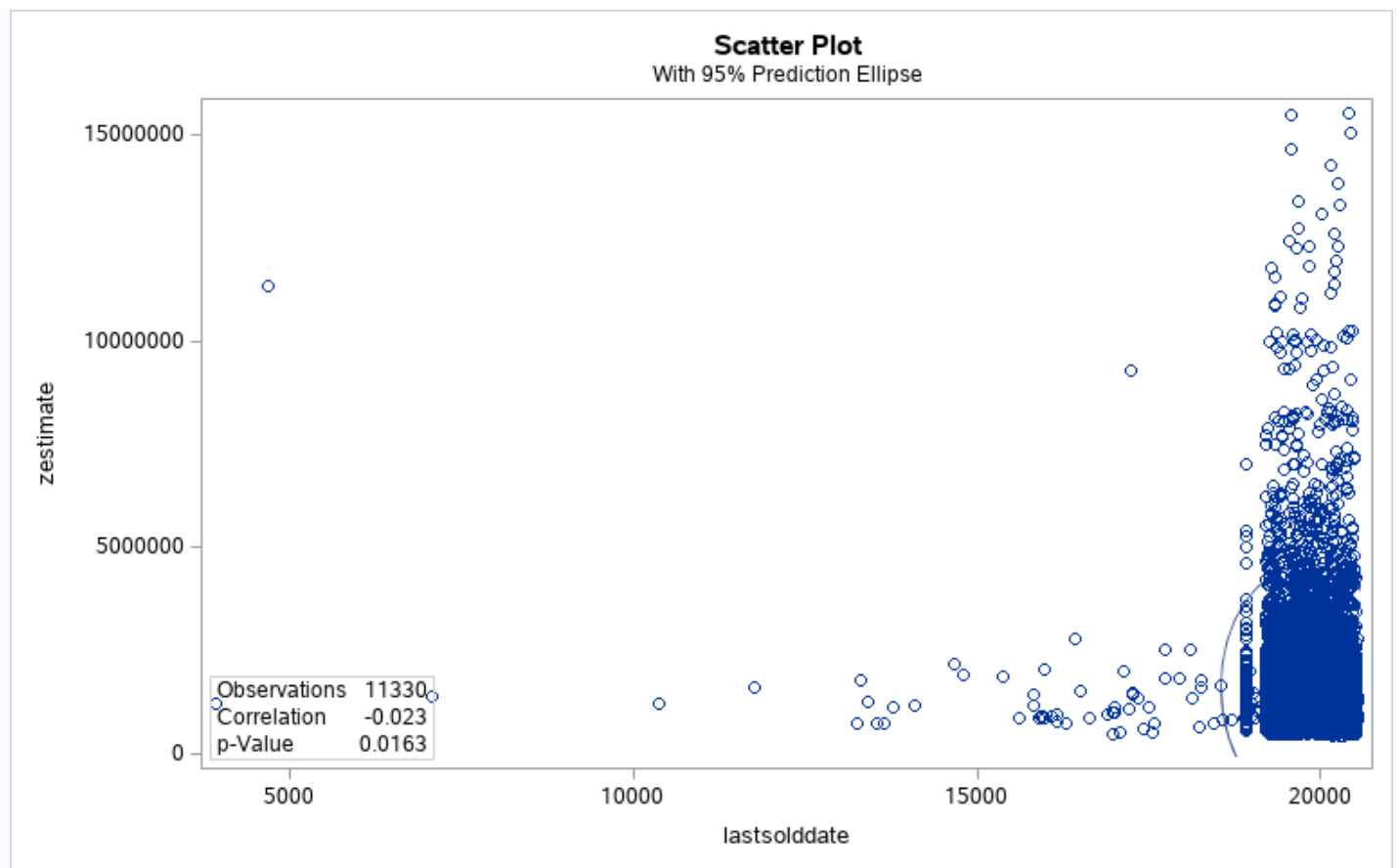
## Part 8 - Correlations of all numerical variables with zestimate - Scatter Plot

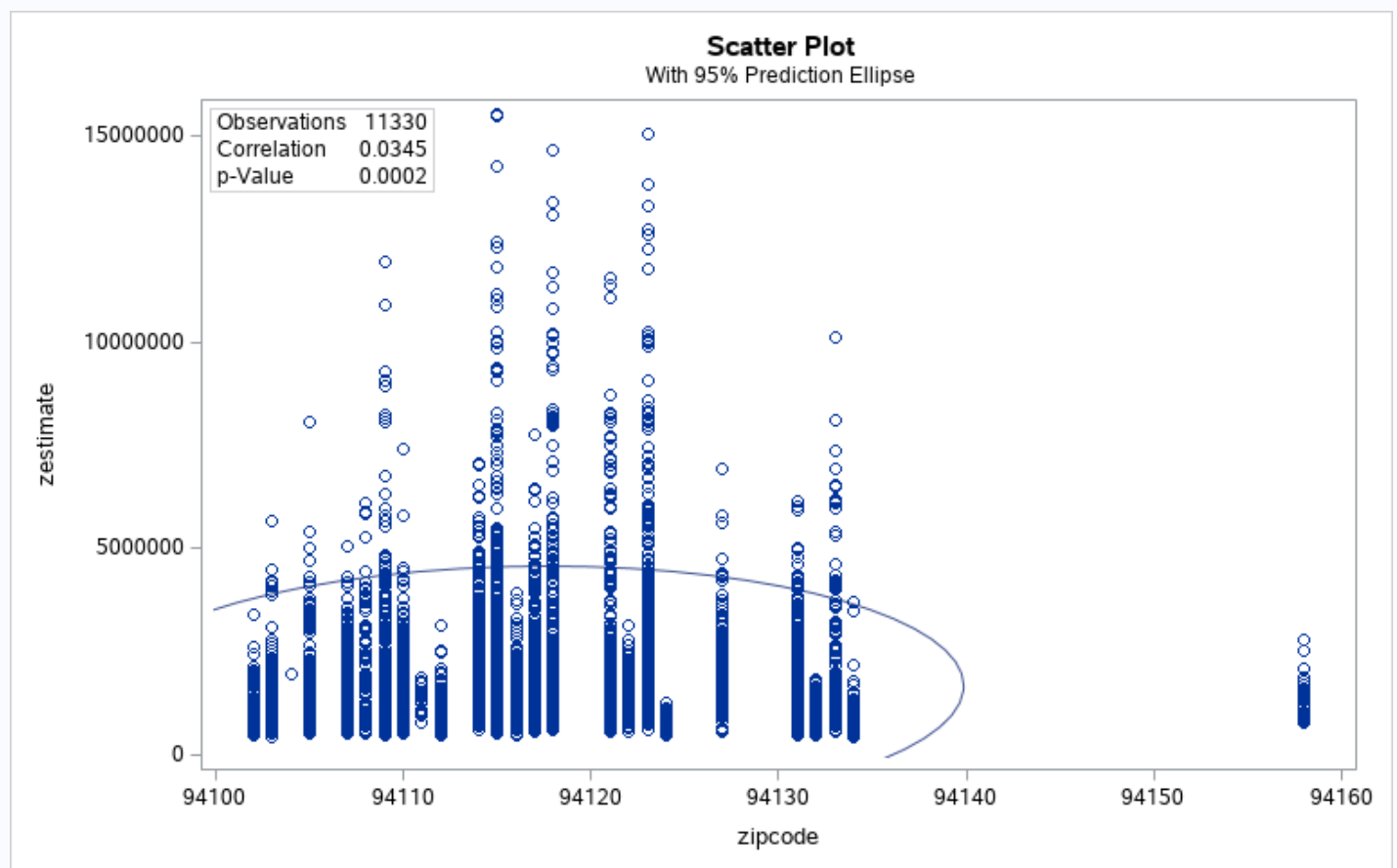
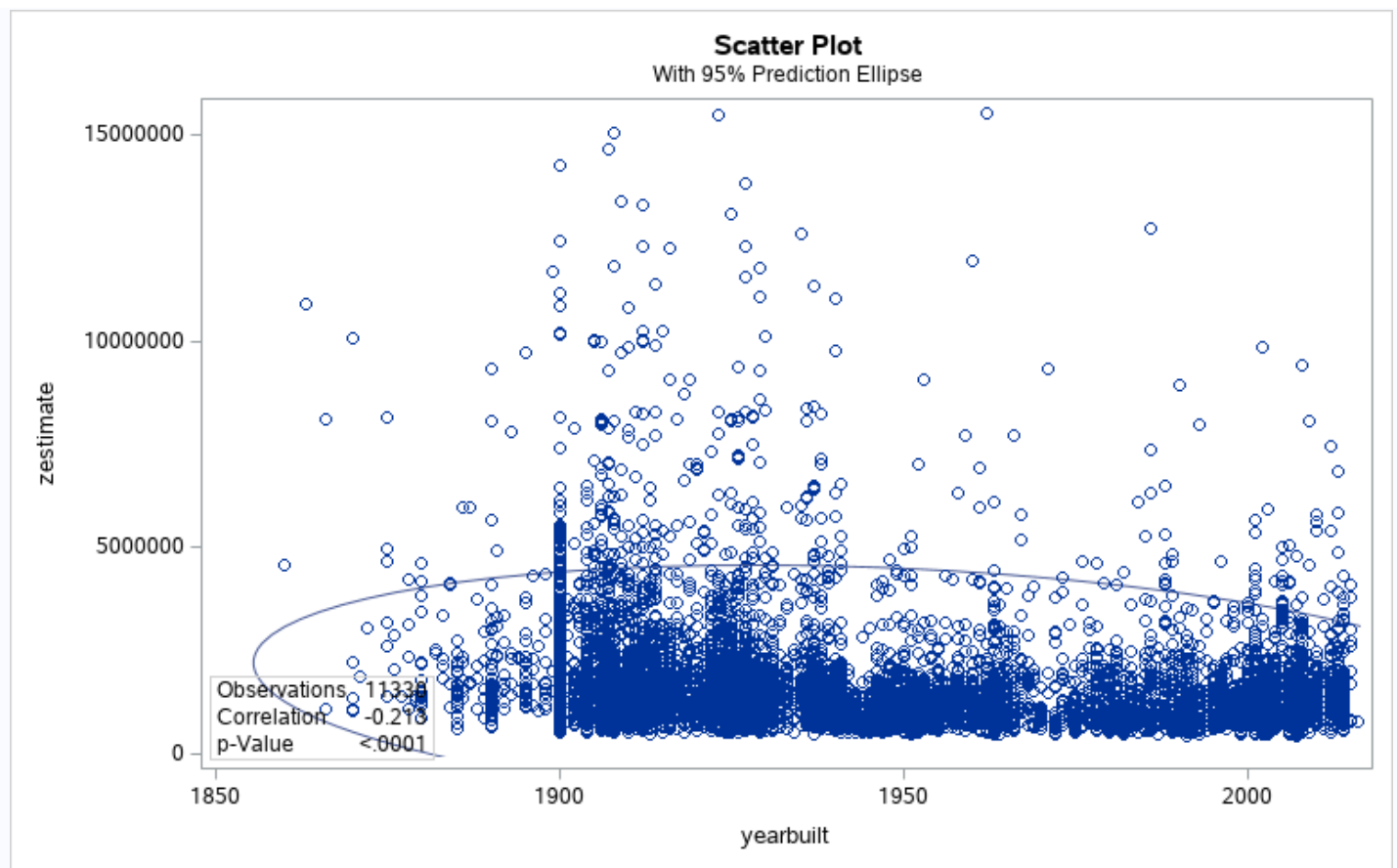
### The CORR Procedure

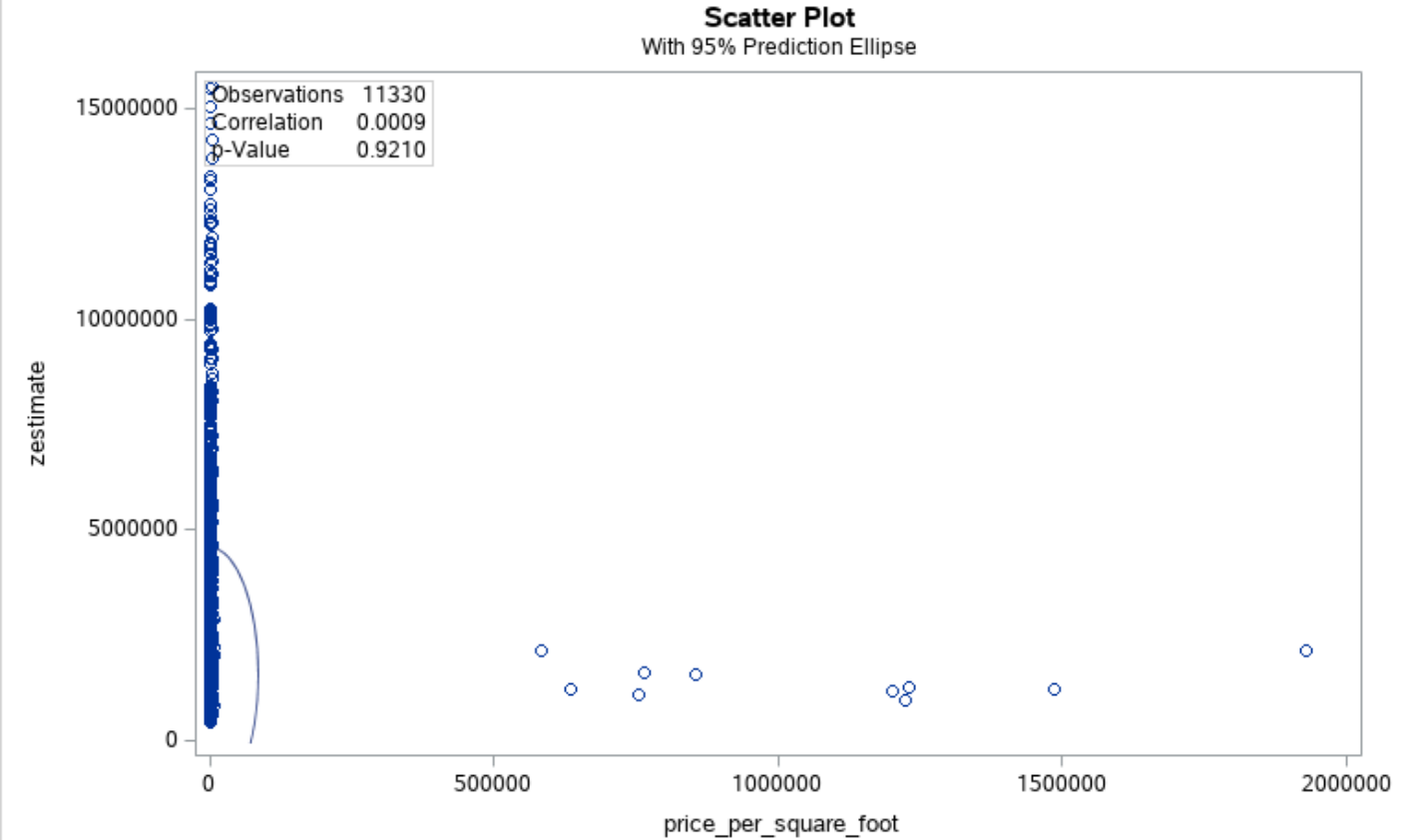












**Part 8 - Correlations of all numerical variables with zestimate - Matrix**

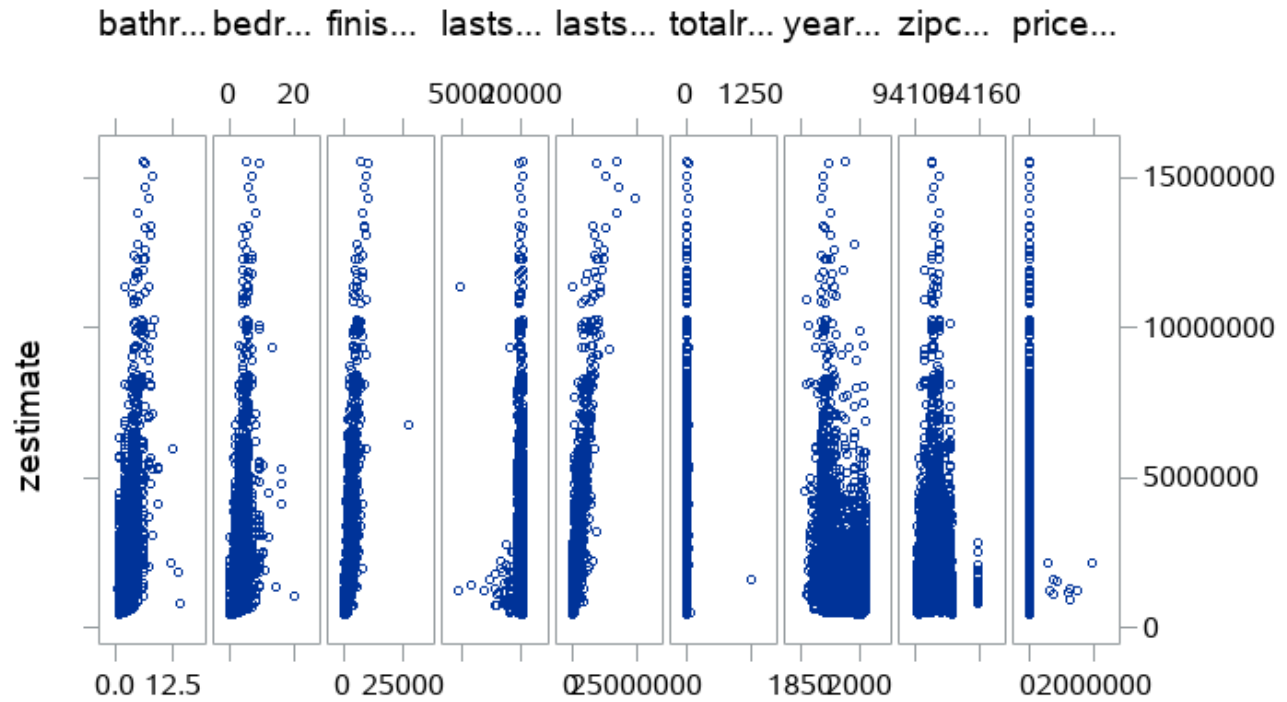
**The CORR Procedure**

<b>1 With Variables:</b>	zestimate
<b>9 Variables:</b>	bathrooms bedrooms finishedsqft lastsolddate lastsoldprice totalrooms yearbuilt zipcode price_per_square_foot

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
zestimate	11330	1565695	1229417	1.77393E10	432385	15533253
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
lastsolddate	11330	19851	527.69286	224917260	3927	20541
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
zipcode	11330	94117	9.40088	1066344613	94102	94158
price_per_square_foot	11330	1761	33861	19949622	0.46725	1930000

Pearson Correlation Coefficients, N = 11330									
Prob >  r  under H0: Rho=0									
zestimate	lastsoldprice	finishedsqft	bathrooms	bedrooms	yearbuilt	totalrooms	zipcode	lastsolddate	price_per_square_foot
	0.87694	0.75849	0.60316	0.47768	-0.21256	0.11199	0.03453	-0.02256	0.00093
	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	0.0002	0.0163	0.9210

## Scatter Plot Matrix



### Part 9 - Regression Model for zestimate with first three most correlated variables

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	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

## Part 10 - Regression Model for zestimate with first five most correlated variables

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

## Part 12 - Predicted zestimates for Four New Houses of My Choosing

Obs	yearbuilt	bedrooms	bathrooms	finishedsqft	lastsoldprice	MODEL1
1	1972	3	2.0	1400	175000	622367.41
2	2000	4	4.5	2500	325000	1312224.45
3	1983	2	1.5	975	99000	391461.83
4	1948	3	1.0	1100	75000	361728.18

## Parts 14/15/16 - Average of price\_per\_square\_foot by zipcode

zipcode	_TYPE_	_FREQ_	Avg_Price
.	0	11330	1760.78
94102	1	318	928.85
94103	1	360	3018.24
94104	1	1	866.67
94105	1	340	2856.13
94107	1	857	1659.79
94108	1	114	1001.95
94109	1	653	919.28
94110	1	935	3474.67
94111	1	38	823.54
94112	1	877	573.12
94114	1	651	1012.22
94115	1	534	940.64

zipcode	_TYPE_	_FREQ_	Avg_Price
94116	1	655	650.60
94117	1	473	2691.56
94118	1	466	834.23
94121	1	527	695.39
94122	1	601	642.40
94123	1	430	1188.12
94124	1	393	431.21
94127	1	435	710.00
94131	1	687	3703.84
94132	1	292	3190.92
94133	1	183	7832.94
94134	1	439	499.77
94158	1	71	21914.18

### Parts 14/15/16 - Average of zestimate by totalrooms

totalrooms	_TYPE_	_FREQ_	Avg_Price
.	0	11330	1565695.26
1	1	32	864987.34
2	1	237	790535.91
3	1	967	872228.57
4	1	1860	1096498.89
5	1	2625	1269967.61
6	1	2015	1530213.50
7	1	1272	1738700.67
8	1	913	1927580.83
9	1	479	2472959.43
10	1	325	2840516.66
11	1	164	3267640.75
12	1	146	3047366.25
13	1	94	3692985.06
14	1	55	3530035.11
15	1	46	4273266.89
16	1	39	4120780.28
17	1	13	3178413.92
18	1	16	4178196.19
19	1	4	3739224.25
20	1	7	6404786.86
21	1	3	2012261.00
22	1	1	5684941.00
23	1	5	3106397.40
24	1	3	3662498.33
26	1	2	8765272.00
27	1	1	5430463.00
28	1	3	8381745.00
33	1	1	9304469.00
94	1	1	502285.00
1264	1	1	1591608.00