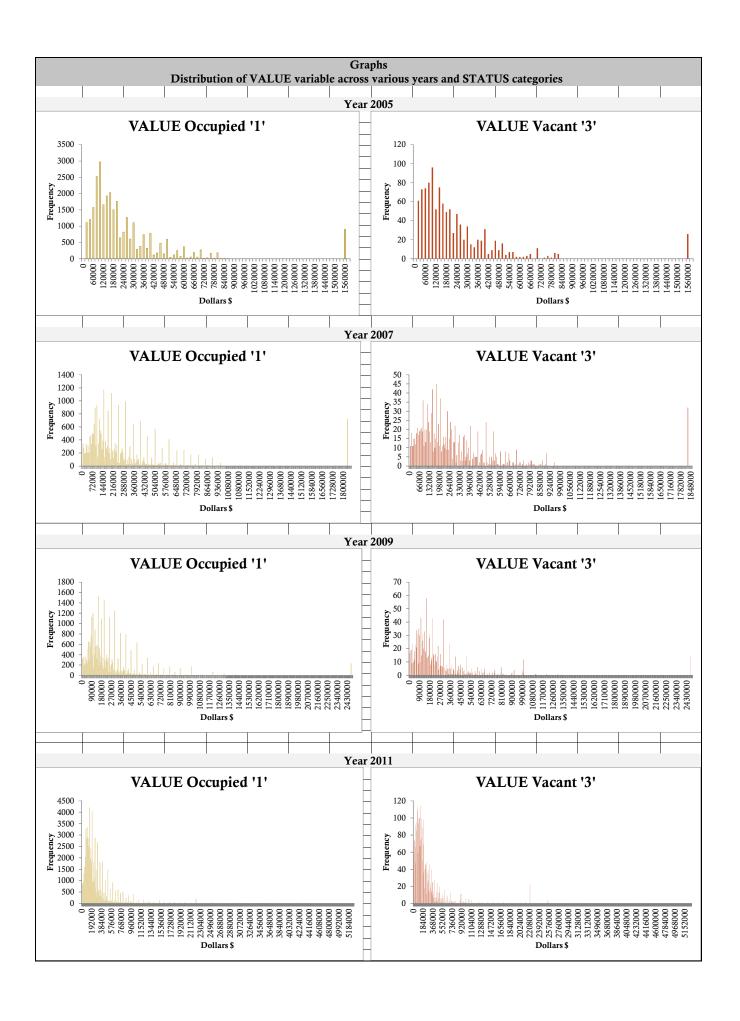
	Summary Report
Is there a difference in market value of housing units	
The is a set of isolation in the set of	11 E

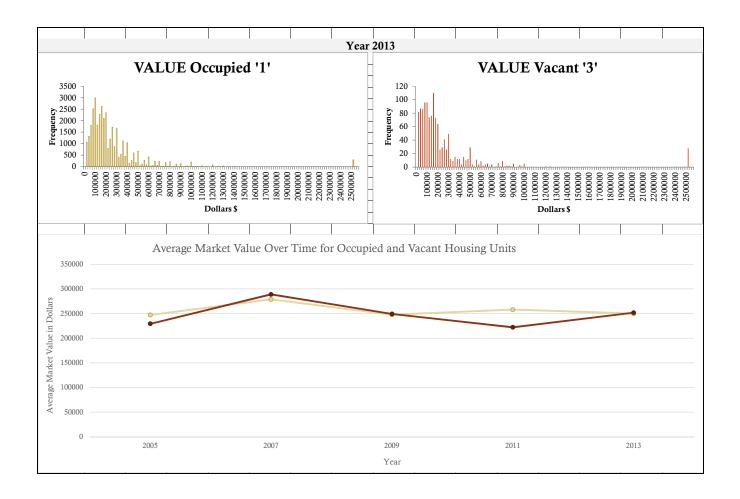
There is a statistical significance for years 2005 and 2011. For years 2005 and 2011, the market value for the occupied housing units was greater than for the market value for vacant housing units.

Do the differences have a pattern over the time period given?

The trend seems to be for 2005 and 2011 a higher average market value for occupied housing units than vacant housing units. For 2007, 2009, a	and 2013 the
average market value for occupied and vacant housing units are about equal.	

Descriptive Statistics													
Market Value of Occupied vs Vacant Housing Units													
	Occupied Housing Units ('1') Vacant Housing Units ('3')												
	2005	2007	2009	2011	2013			2005	2007	2009	2011	2013	
Mean	247130.8466	278960.7533	247681.9663	258136.2211	249858.5465		Mean	229324.3594	289004.4928	249230.0607	222116.855	251996.8178	
Standard Error	1642.721687	1949.56645	1577.650565	1050.644519	1499.97655		Standard Error	8067.007619	8431.176942	9048.176411	5802.637262	10990.32368	
Median	160000	190000	179000	177000	180000		Median	150000	200000	165000	144450	150000	
Mode	200000	200000	200000	200000	150000		Mode	1540794	1829479	200000	200000	150000	
Standard Deviation	281859.6405	317162.7659	273625.7419	301001.8618	282290.6451		Standard Deviation	264371.4834	306203.818	318104.853	316336.8786	389653.0876	
Sample Variance	79444856915	1.00592E+11	74871046642	90602120816	79688008338		Sample Variance	69892281216	93760778164	1.01191E+11	1.00069E+11	1.5183E+11	
Kurtosis	11.02424529	12.86411398	31.88616457	52.89559501	33.43670103		Kurtosis	12.37474982	13.09387441	26.91874803	41.28221051	23.01107322	
Skewness	3.090205632	3.285310639	4.667869315	5.4596834	4.84535521		Skewness	3.165239742	3.217984913	4.538695664	5.428402134	4.526607886	
Range	1539794	1828479	2464647	5263699	2510000		Range	1539594	1828479	2464647	4413135	2510000	
Minimum	1000		1000		10000		Minimum	1200		1000	1000	10000	
Maximum	1540794	1829479	2465647	5264699	2520000		Maximum	1540794		2465647	4414135	2520000	
Sum	7275532125	7382975298	7450521228	21187304757	8849490000		Sum	246294362	381196926	308048355	660131293	316760000	
Count	29440	26466	30081	82078	35418		Count	1074	1319	1236	2972	1257	





, TD , C 1°CC	Statistical Tests	C* 11	1 .		
t-Test for difference in means	was performed; specif	fically test with une	qual variance		
	Year 2005				
	1 car 2003				
t-Test: Two-Sample Assuming Unequal	Variances				
	VALUE Occupied '1'	VALUE Vacant '3'			
Mean	247130.8466	229324.3594			
Variance	79444856915	69892281216			
Observations	29440	1074			
Hypothesized Mean Difference	0		н	eiect	
df	1164		H. H.	$u_{\text{Not-Occupied}} = 0 \mathbf{R}$ $u_{\text{Not-Occupied}} \neq 0 \mathbf{N}$	Int
t Stat	2.162932768		A• MOccupied - F	Not-Occupied 7	
P(T<=t) one-tail	0.015374714				
t Critical one-tail	1.646163756				
P(T<=t) two-tail	0.030749428				
t Critical two-tail	1.962004103				
conclusion: t-stat falls inside rejection region, rejection	t the null hypothesis				
	Year 2007				
t-Test: Two-Sample Assuming Unequal					
	VALUE Occupied '1'	VALUE Vacant '3'			
Mean	278960.7533	289004.4928			
Variance	1.00592E+11	93760778164			
Observations	26466	1319			
Hypothesized Mean Difference	0		H ₀ : μ _{Occupied} - μ	Not-Occupied = 0 No	t Reject
df	1463		H _Δ : μ _{Occupied} - μ	$\iota_{\text{Not-Occupied}} \neq 0$ Re	ject
t Stat	-1.160637009		A · Occupicu ·	140t-Occupicu	
P(T<=t) one-tail	0.122989449				
t Critical one-tail	1.645895828				
P(T<=t) two-tail	0.245978899				
t Critical two-tail	1.961586815				
Conclusion: t-stat does not fall within rejection region; do	no reject the null hypothesis				
	V				
	Year 2009				
4 T-4. T C1- A 17	Varianges				
t-Test: Two-Sample Assuming Unequal		TATTIE : 101			
77	VALUE Occupied '1'	VALUE vacant '3'			
Mean	247681.9663	249230.0607			
Variance	74871046642	1.01191E+11			
Observations	30081	1236			

Hypothesized Mean Difference	0		II
df	1311		$H_0: \mu_{\text{Occupied}} - \mu_{\text{Not-Occupied}} = 0 \text{ Not}$
t Stat	-0.168551674		Reject
P(T<=t) one-tail	0.433087647		
t Critical one-tail	1.646016749		
P(T<=t) two-tail	0.866175295		
t Critical two-tail	1.961775141		
t Chica two tan	1.701775111		
conclusion: t-stat is outside of crit	ical region, do not reject null hypothesis		
	Year 2011		
t-Test: Two-Sample A	ssuming Unequal Variances		
	VALUE Occupied '1'	VALUE Vacant '3'	
Mean	258136.2211	222116.855	
Variance	90602120816		
Observations	82078		
Hypothesized Mean Difference	0		II
df	3169		$H_0: \mu_{\text{Occupied}} - \mu_{\text{Not-Occupied}} = 0 \text{Reject}$
t Stat	6.108096809		$H_{A}: \mu_{Occupied} - \mu_{Not-Occupied} \neq 0 Not$
P(T<=t) one-tail	5.65426E-10		
t Critical one-tail	1.645334604		
P(T<=t) two-tail	1.13085E-09		
t Critical two-tail	1.13083E-09		
t Critical two-tain	1:900/12032		
conclusion: t-stat falls inside cri	tical region, reject the null hypothesis		
	Year 2013		
	1 eat 2013		
t-Test: Two-Sample A	ssuming Unequal Variances		
t Test. Two-bampie A	VALUE (Occupied '1')	VALUE (Vacant '3')	
Mean	249858.5465		
Variance	79688008338		
Observations	35418	1.5165E+11	
Hypothesized Mean Difference	0		TT 0.37
df	1303		$H_0: \mu_{\text{Occupied}} - \mu_{\text{Not-Occupied}} = 0 \text{ Not}$
t Stat	-0.192772327		Reject
P(T<=t) one-tail	0.423583659		
t Critical one-tail	1.646023895		
P(T<=t) two-tail	0.847167318		
t Critical two-tail	1.961786271		
1	201 1 1 1 1 1 1 1 1 1 1		
conclusion: t-stat does not fall within ci	ritical region; do not reject the null hypothesis		