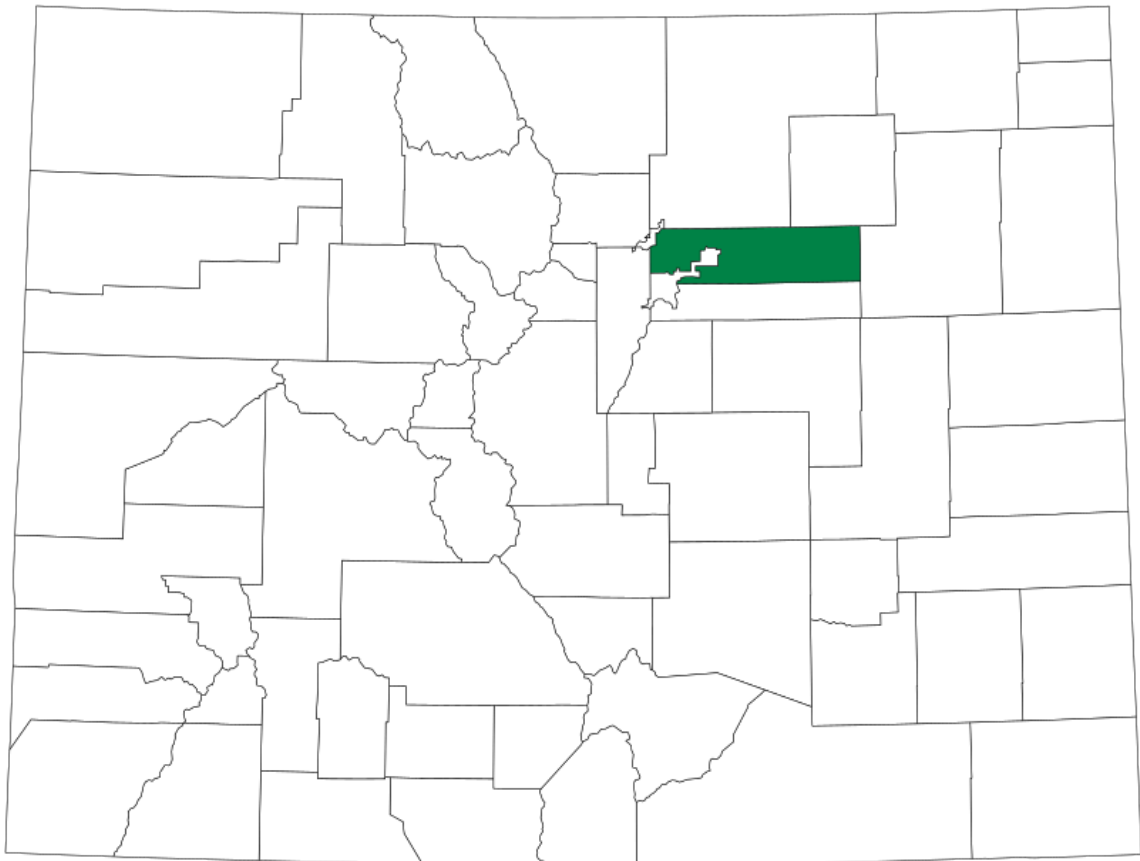


# San Matteo

*D A T A   A N A L Y T I C S*

**2025 Property Assessment Study**

**Adams County**



September 15, 2025

**Natalie Castle**

Director of Research, Colorado Legislative Council  
Room 029, 200 East Colfax Avenue  
Denver, CO 80203

San Matteo Data Analytics (SMDA) respectfully submits the **Final Report regarding the 2025 Colorado Property Assessment Study for Adams County**. This report summarizes the results of both a procedural review and a statistical analysis.

The **procedural review** evaluated local assessment practices, including valuation methods of residential, commercial, agricultural properties, as well as natural resources, personal property, possessory interests, and subdivision discounting. It also examined processes related to the development of economic areas, and sales qualification.

The **statistical analysis** measured compliance with statutory assessment levels for vacant land, residential, and commercial/industrial properties.

We value the opportunity to support the State of Colorado in ensuring fair and consistent property assessments. Please contact us if you have any questions or need additional details regarding these reports.



Joel Cuthbert, CAE, AAS | Audit Manager  
San Matteo Data Analytics | [audit@sanmatteodata.org](mailto:audit@sanmatteodata.org)



# Table of Contents

- 1. Statistical Overview.....4
- 2. Vacant Land.....8
- 3. Residential.....13
- 4. Commercial and Industrial.....18
- 5. Agriculture.....23
- 6. Agriculture Non-Integral.....25
- 7. Economic Areas.....26
- 8. Natural Resources.....27
- 9. Personal Property.....28
- 10. Possessory Interest.....30
- 11. Sales Verification.....31
- 12. Subdivision Discounting.....33
- 13. Appendix.....34

# 1. Statistical Overview

## Compliance and Evaluations

Adams County was found to be in compliance. For more details on the definitions and methodology underlying this analysis, see the 2025 County Report Methodology document. For the full analysis behind each evaluation see the appendix.

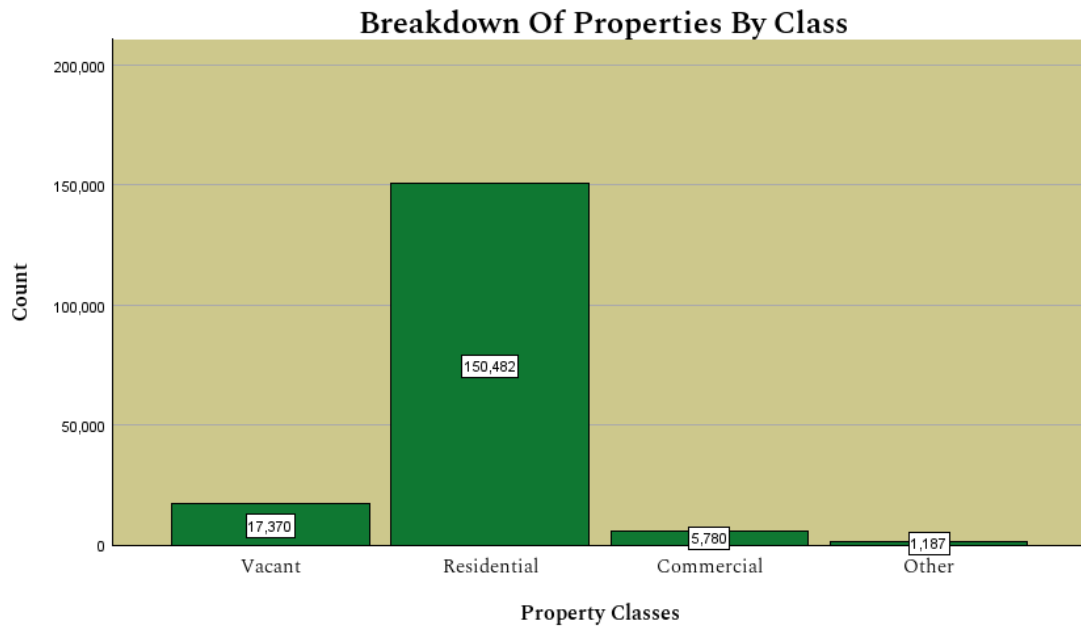
	Result	Value
<b>Vacant Land</b>		
Median Sales Ratio	Pass	0.99
Coefficient of Dispersion	Pass	5.09%
Time Adjustments	Pass	0.074
Price Related Differential	Sufficient	0.97
Price Related Bias	Sufficient	0.02
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	No	See Section 11

	<b>Result</b>	<b>Value</b>
<b>Residential</b>		
Median Sales Ratio	Pass	0.98
Coefficient of Dispersion	Pass	6.05%
Time Adjustments	Pass	0.000
Price Related Differential	Sufficient	1.01
Price Related Bias	Sufficient	-0.03
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	Yes	

	<b>Result</b>	<b>Value</b>
<b>Commercial/Industrial</b>		
Median Sales Ratio	Pass	0.99
Coefficient of Dispersion	Pass	6.96%
Time Adjustments	Pass	0.090
Price Related Differential	Sufficient	1.02
Price Related Bias	Sufficient	-0.01
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	No	See Section 11

Adams County  
**Property Types**

Below is a breakdown of the property types of the 174,819 parcels in Adams County.



## 2. Vacant Land

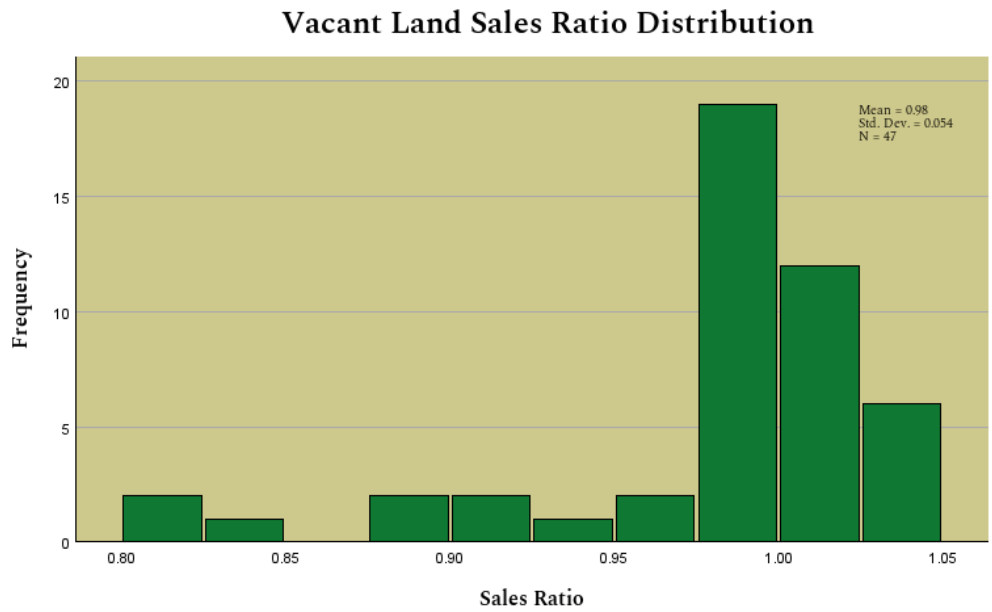
### Overview

Adams was found to be compliant for vacant land properties.

	Result	Value
<b>Vacant Land</b>		
Median Sales Ratio	Pass	0.99
Coefficient of Dispersion	Pass	5.09%
Time Adjustments	Pass	0.074
Price Related Differential	Sufficient	0.97
Price Related Bias	Sufficient	0.02
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	No	See Section 11

### Vacant Land Median Sales Ratio

The median sales ratio (MSR) tests how close the Assessor's valuations (estimates of market value) are to the true market value. The distribution of these sales ratios should be centered around 1.00. The Vacant Land MSR for Adams County was calculated to be 0.99, which is within the acceptable statistical range of 0.95 to 1.05 established by the State Board of Equalization (SBOE). We trimmed zero sales during the development of this analysis. The MSR was also calculated for all applicable subclass, neighborhoods, economic areas, size and valuation strata identified by the auditor. See appendix for more details.

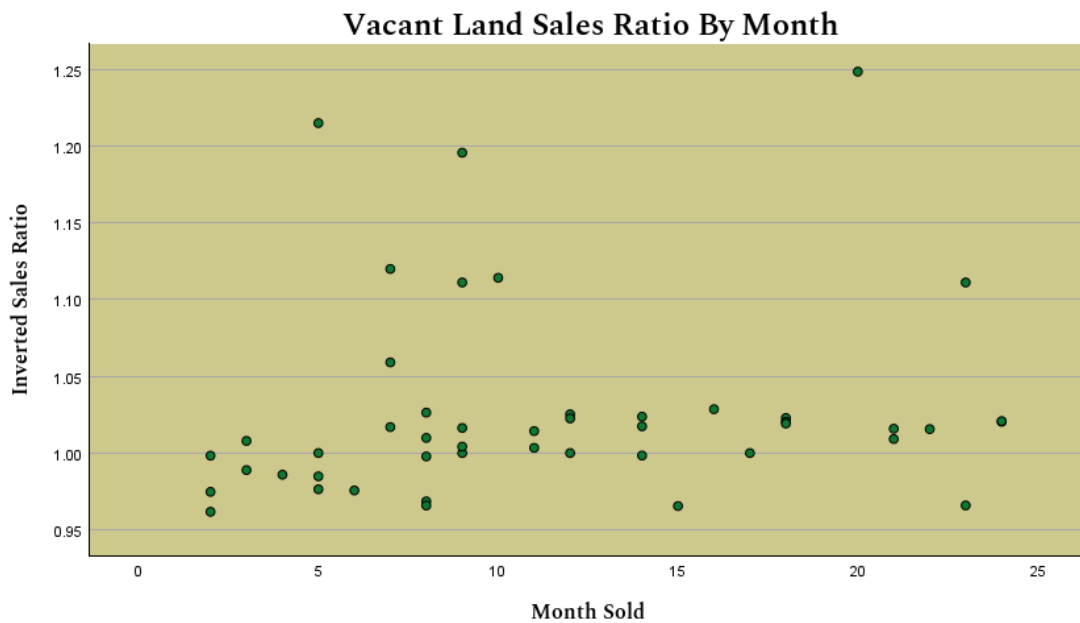


### Vacant Land Coefficient of Dispersion

The Coefficient of Dispersion (COD) tests for undesirable variance in the valuations. The variance in sales ratios should be as small as possible. The COD for Vacant Land properties in Adams County was calculated at 5.09% which is within the acceptable statistical standard of 20.99% or less established by the State Board of Equalization (SBOE). The COD was also calculated for all applicable class, subclass, neighborhoods, economic areas, and valuation strata identified by the auditor. See appendix for more details.

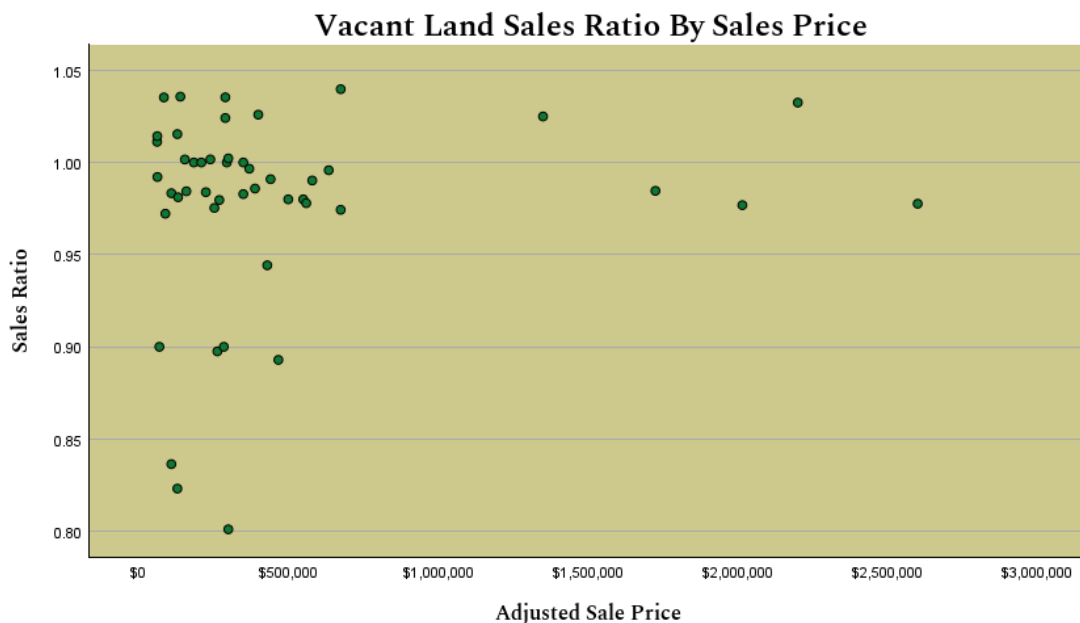
### Vacant Land Market (Time) Adjustments

All previous statistics used the time-adjusted sales price to ensure that the effect of time on sales ratios has been appropriately addressed. There should be a consistent and reasonable time adjustment methodology, not one tailored to improve sales ratios. We examined the sales ratios over the 24 - month period of sales. There does not appear to be a significant effect of time on Adams’s Vacant Land sales ratios.



### Vacant Land Price Related Differential

The Price Related Differential (PRD) tests for differences in the valuations of high and low value sold properties. Sales ratios should be consistent across the range of sale prices so the PRD should be very close to 1.00. The PRD for Adams County was calculated at 0.97, which is not within the acceptable range of 0.98 to 1.03 established by the International Association of Assessing Officers (IAAO). The PRD was also calculated for all applicable class, subclass, neighborhoods, economic areas, size, and valuation strata identified by the auditor. This test, combined with the Price Related Bias results, indicates that although the measure falls slightly outside the IAAO’s acceptable range, it does not appear to present a concern. See appendix for more details.



### Vacant Land Price Related Bias

The Price Related Bias (PRB) measures whether assessment levels change systematically with property value. A PRB close to 0.00 indicates that high- and low-value properties are valued consistently, without upward or downward bias in the sales ratios. For Adams County, the PRB was calculated at 0.02 which is within the acceptable statistical range of -0.05 to 0.05 established by the International Association of Assessing Officers. The PRB was also analyzed across all applicable categories, including property class, subclass, neighborhood, economic area, size, and valuation strata as identified by the auditor. Additional details are provided in the appendix.

## **Vacant Land Sold/Unsold Comparison**

All previous Vacant Land statistics focus only on the compliance of properties that were sold during the Vacant Land data collection period. In order to ensure that the unsold properties are also being valued consistently we evaluate whether or not they were treated similarly as the sold properties.

Our default comparison approach utilizes the Mann-Whitney U test (also known as the Wilcoxon rank-sum test), to analyze two samples of sold and unsold properties. First, we compare the price per square foot, followed by the change in price per square foot from last reappraisal to this one, and finally we compare the change in total value from last reappraisal to this one. If necessary, we will also consider the stratified (economic area, neighborhood, improvement abstract, etc.) medians of the following unitary metrics: price per foot, change in price per foot, and change in value. See appendix for more details.

Our study indicates that the Vacant Land sold and unsold properties are treated similarly.

## **Vacant Land Sales Qualification**

All the analysis above, notwithstanding the sold/unsold comparison, relies entirely on qualified sales. In order to ensure that this is a complete and unbiased analysis of assessment practices, we will verify that sales are being correctly coded. We have concluded that Vacant Land sales are being coded in an acceptable way.

There were 50 Vacant Land sales. We have confirmed that less than 50% of all sales were qualified.

### 3. Residential

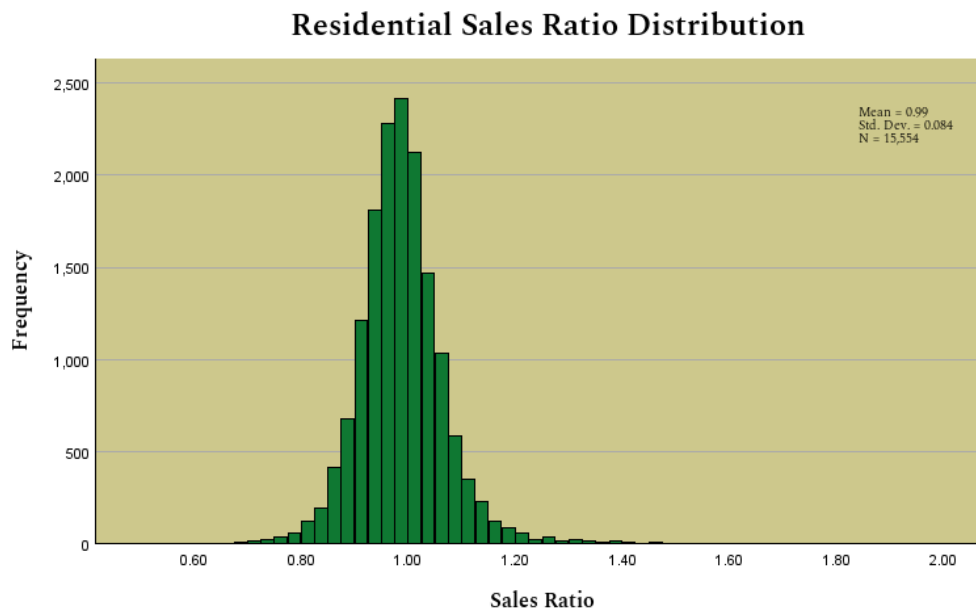
#### Overview

Adams County was found to be compliant for Residential properties.

	Result	Value
<b>Residential</b>		
Median Sales Ratio	Pass	0.98
Coefficient of Dispersion	Pass	6.05%
Time Adjustments	Pass	0.000
Price Related Differential	Sufficient	1.01
Price Related Bias	Sufficient	-0.03
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	Yes	

## Residential Median Sales Ratio

The median sales ratio (MSR) tests how close the Assessor's valuations (estimates of market value) are to the true market value. The distribution of these sales ratios should be centered around 1.00. The Residential MSR for Adams County was calculated to be 0.98, which is within the acceptable statistical range of 0.95 to 1.05 established by the State Board of Equalization (SBOE). We trimmed zero sales during the development of this analysis. The MSR was also calculated for all applicable subclass, neighborhoods, economic areas, size and valuation strata identified by the auditor. See appendix for more details.



## Residential Coefficient of Dispersion

The Coefficient of Dispersion (COD) tests for undesirable variance in the valuations. The variance in sales ratios should be as small as possible. The COD for Residential properties in Adams County was calculated at 6.05% which is within the acceptable statistical standard of 15.99% or less established by the State Board of Equalization (SBOE). The COD was also calculated for all applicable class, subclass, neighborhoods, economic areas, and valuation strata identified by the auditor. See appendix for more details.

## Residential Market (Time) Adjustments

All previous statistics used the time-adjusted sales price to ensure that the effect of time on sales ratios has been appropriately addressed. There should be a consistent and reasonable time adjustment methodology, not one tailored to improve sales ratios. We examined the sales ratios over the 24 - month period of sales. There does not appear to be a significant effect of time on Adams County's Residential sales ratios.



## Residential Price Related Differential

The Price Related Differential (PRD) tests for differences in the valuations of high and low value sold properties. Sales ratios should be consistent across the range of sale prices so the PRD should be very close to 1.00. The PRD for Adams County was calculated at 1.01, which is within the acceptable range of 0.98 to 1.03 established by the International Association of Assessing Officers (IAAO). The PRD was also calculated for all applicable class, subclass, neighborhoods, economic areas, size, and valuation strata identified by the auditor. See appendix for more details.



## Residential Price Related Bias

The Price Related Bias (PRB) measures whether assessment levels change systematically with property value. A PRB close to 0.00 indicates that high- and low-value properties are valued consistently, without upward or downward bias in the sales ratios. For Adams County, the PRB was calculated at -0.03 which is within the acceptable statistical range of -0.05 to 0.05 established by the International Association of Assessing Officers. The PRB was also analyzed across all applicable categories, including property class, subclass, neighborhood, economic area, size, and valuation strata as identified by the auditor. Additional details are provided in the appendix.

## **Residential Sold/Unsold Comparison**

All previous Residential statistics focus only on the compliance of properties that were sold during the Residential data collection period. In order to ensure that the unsold properties are also being valued consistently we evaluate whether or not they were treated the same as the sold properties.

Our default comparison approach utilizes the Mann-Whitney U test (also known as the Wilcoxon rank-sum test), to analyze two samples of sold and unsold properties. First, we compare the price per square foot, followed by the change in price per square foot from last reappraisal to this one, and finally we compare the change in total value from last reappraisal to this one. If necessary, we will also consider the stratified (economic area, neighborhood, improvement abstract, etc.) medians of the following unitary metrics: price per foot, change in price per foot, and change in value. See appendix for more details.

Our analysis indicates that the Residential sold and unsold properties are treated similarly. See appendix for more details.

## **Residential Sales Qualification**

All the analysis above, notwithstanding the sold/unsold comparison, relies entirely on qualified sales. In order to ensure that this is a complete and unbiased analysis of assessment practices, we will verify that sales are being correctly coded. We have concluded that Residential sales are being coded in an acceptable way.

There were 15,577 Residential sales. We have confirmed that more than 50% of all sales were qualified.

## 4. Commercial and Industrial

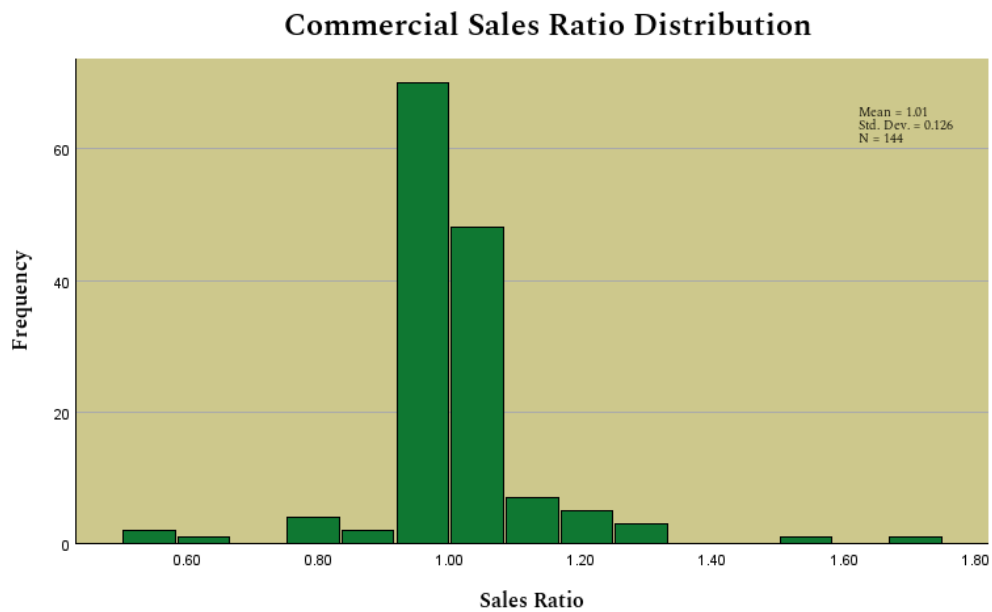
### Overview

Adams was found to be compliant for Commercial and Industrial properties.

	Result	Value
<b>Commercial and Industrial</b>		
Median Sales Ratio	Pass	0.99
Coefficient of Dispersion	Pass	6.96%
Time Adjustments	Pass	0.090
Price Related Differential	Sufficient	1.02
Price Related Bias	Sufficient	-0.01
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	No	See Section 11

### Commercial Median Sales Ratio

The median sales ratio (MSR) tests how close the Assessor's valuations (estimates of market value) are to the true market value. The distribution of these sales ratios should be centered around 1.00. The Commercial MSR for Adams County was calculated to be 0.99, which is within the acceptable statistical range of 0.95 to 1.05 established by the State Board of Equalization (SBOE). We trimmed zero sales during the development of this analysis. The MSR was also calculated for all applicable subclass, neighborhoods, economic areas, size and valuation strata identified by the auditor. See appendix for more details.

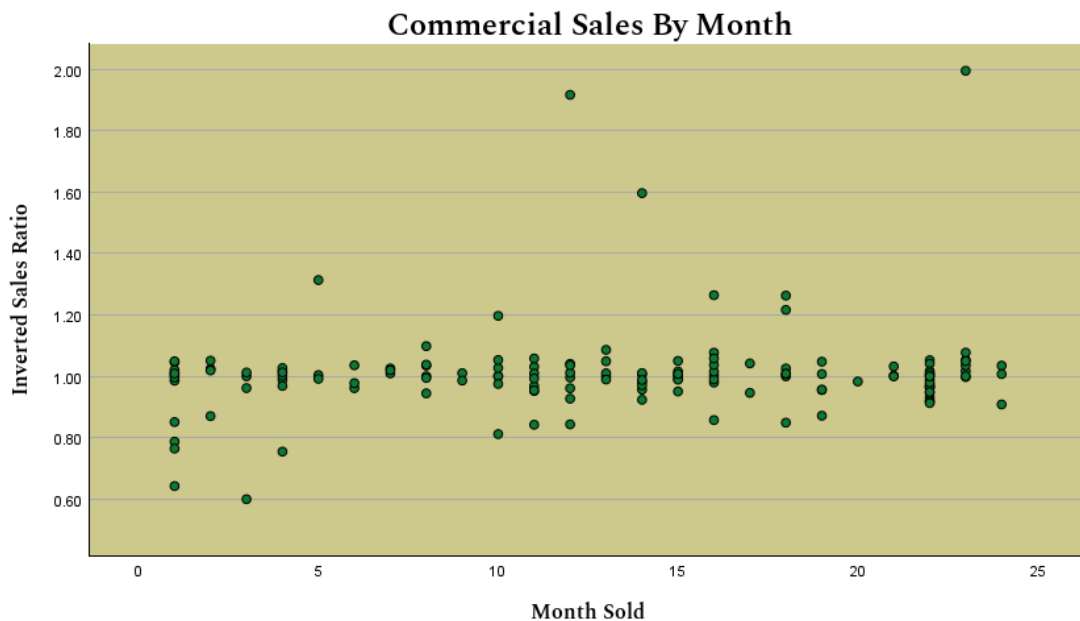


## Commercial Coefficient of Dispersion

The Coefficient of Dispersion (COD) tests for undesirable variance in the valuations. The variance in sales ratios should be as small as possible. The COD for Commercial properties in Adams County was calculated at 6.96% which is within the acceptable statistical standard of 20.99% or less established by the State Board of Equalization (SBOE). The COD was also calculated for all applicable class, subclass, neighborhoods, economic areas, and valuation strata identified by the auditor. See appendix for more details.

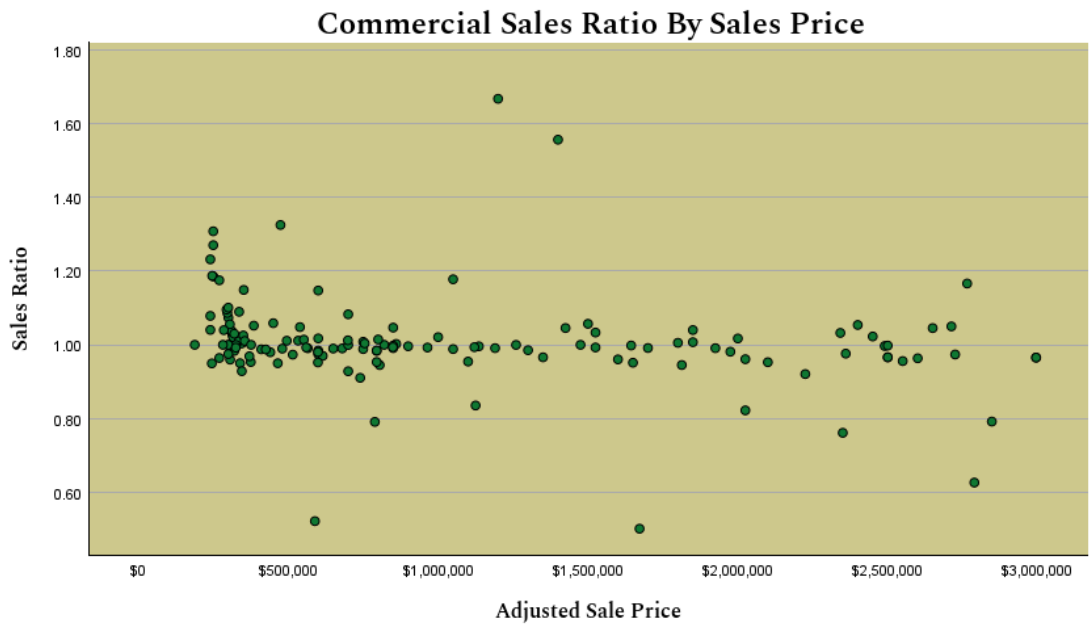
## Commercial Market (Time) Adjustments

All previous statistics used the time-adjusted sales price to ensure that the effect of time on sales ratios has been appropriately addressed. There should be a consistent and reasonable time adjustment methodology, not one tailored to improve sales ratios. We examined the sales ratios over the 24 - month period of sales. There does not appear to be a significant effect of time on Adams County's Commercial sales ratios.



### Commercial Price Related Differential

The Price Related Differential (PRD) tests for differences in the valuations of high and low value sold properties. Sales ratios should be consistent across the range of sale prices so the PRD should be very close to 1.00. The PRD for Adams County was calculated at 1.02, which is within the acceptable range of 0.98 to 1.03 established by the International Association of Assessing Officers (IAAO) The PRD was also calculated for all applicable class, subclass, neighborhoods, economic areas, size, and valuation strata identified by the auditor. See appendix for more details.



### Commercial Price Related Bias

The Price Related Bias (PRB) measures whether assessment levels change systematically with property value. A PRB close to 0.00 indicates that high- and low-value properties are valued consistently, without upward or downward bias in the sales ratios. For Adams County, the PRB was calculated at -0.01 which is within the acceptable statistical range of -0.05 to 0.05 established by the International Association of Assessing Officers. The PRB was also analyzed across all applicable categories, including property class, subclass, neighborhood, economic area, size, and valuation strata as identified by the auditor. Additional details are provided in the appendix.

## **Commercial Sold/Unsold Comparison**

All previous commercial statistics focus only on the compliance of properties that were sold during the Commercial data collection period. In order to ensure that the unsold properties are also being valued consistently we evaluate whether or not they were treated the same as the sold properties.

Our default comparison approach utilizes the Mann-Whitney U test (also known as the Wilcoxon rank-sum test), to analyze two samples of sold and unsold properties. First, we compare the price per square foot, followed by the change in price per square foot from last reappraisal to this one, and finally we compare the change in total value from last reappraisal to this one. If necessary, we will also consider the stratified (economic area, neighborhood, improvement abstract, etc.) medians of the following unitary metrics: price per foot, change in price per foot, and change in value. See appendix for more details.

Our study indicates that most commercial sold and unsold properties are treated similarly. Abstract 2212 has a large variance and should be noted. See appendix for more details.

## **Commercial Sales Qualification**

All the analysis above, notwithstanding the sold/unsold comparison, relies entirely on qualified sales. In order to ensure that this is a complete and unbiased analysis of assessment practices, we will verify that sales are being correctly coded. We have concluded that Commercial sales are being coded in an acceptable way.

There were 199 commercial sales. We have confirmed that less than 50% of all sales were qualified.

## 5. Agriculture

### Methodology

SMDA conducted a comprehensive review of county records to evaluate the classification and valuation of agricultural lands. The review included an assessment of major land categories, such as sprinkler irrigated farmland (4107), flood irrigated (4117), dry farmland (4127), meadow hay (4137), grazing areas (4147), orchard land (4157), farm/ranch waste land (4167), and forest land (4177).

Adams County applied the following methods to determine agricultural land classification and appropriate valuation methodology:

- Aerial photos are available and used for land classification
- Soil conservation guidelines determine land productivity classes
- Crop rotations are documented using a ten-year average
- Expenses reflect a ten-year average of typical landlord costs
- Ten-year crop yield averages are based on local and supporting data
- Grazing land is classified by its ten-year carrying capacity
- Acreage totals for all classes and subclasses are verified
- A 13% capitalization rate is correctly applied

Additionally, SMDA checked the county records to confirm that the commodity prices and expense data provided by the Property Tax Administrator (PTA) were accurately applied. Guidance from the **Assessor's Reference Library (ARL), Volume 3, Chapter 5** was referenced where appropriate.

### Conclusions

Based on the review and analysis, SMDA considers Adams County's appraisal practices for agricultural property acceptable and in alignment with statutory requirements. The directives, commodity pricing, and expense figures issued by the Property Tax Administrator were correctly applied throughout the process. County-reported yields closely matched the figures published by Colorado Agricultural Statistics, and the expenses used were both reasonable and within allowable ranges. Grazing land carrying capacities were properly supported and fell within acceptable limits. Overall, the analysis confirms that the valuation approach is sound, well-documented, and based on reliable data.

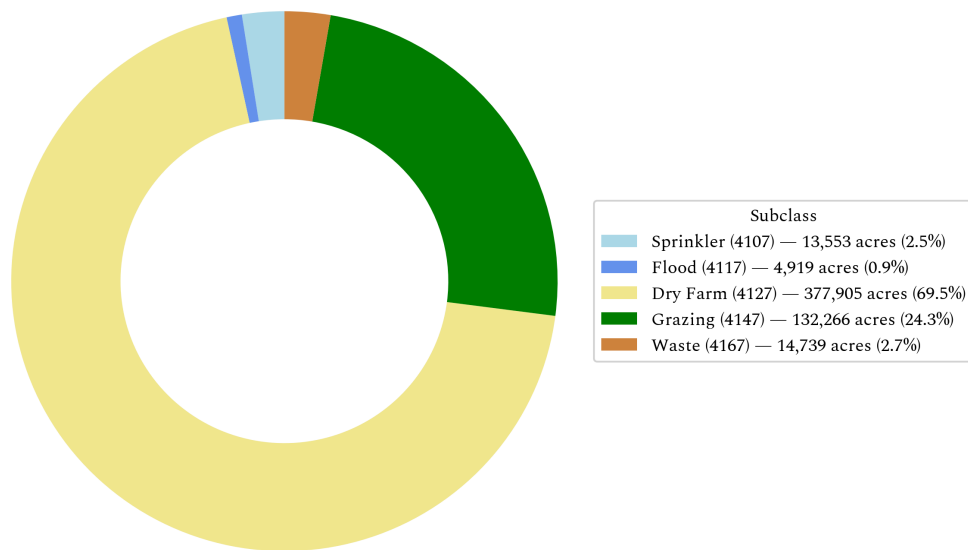
### Recommendations

None

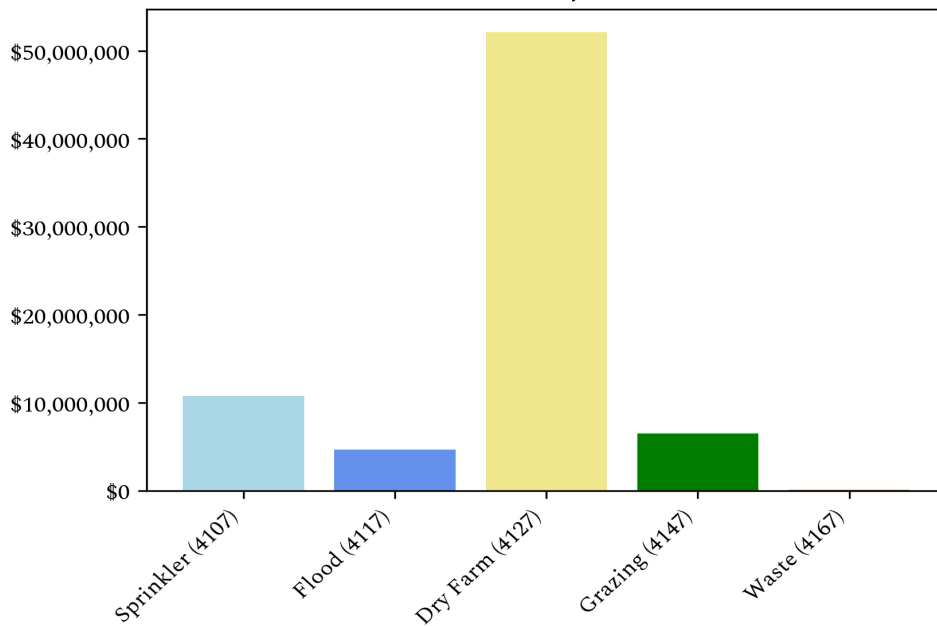
### Agricultural Land Breakdown

Abstract	Class	Acres	Actual Value	Actual Value/Acre	Assessed Value
4107	Sprinkler	13,553.30	\$10,775,134	\$795.02	\$2,908,980
4117	Flood	4,919.38	\$4,669,251	\$949.15	\$1,259,770
4127	Dry Farm	377,905.49	\$52,098,817	\$137.86	\$14,070,010
4147	Grazing	132,266.19	\$6,520,012	\$49.29	\$1,759,960
4167	Waste	14,739.08	\$121,485	\$8.24	\$33,540

Acres by Subclass



Actual Value by Subclass



## 6. Agriculture Non-Integral

### Methodology

SMDA reviewed Adams County's processes to determine whether it complied with the guidelines outlined in the **Assessor's Reference Library (ARL), Volume 3, Chapter 5**. The review focused on Adams County's approach to identifying land associated with residential improvements on farms and ranches, as well as land beneath residential structures that may not be integral to an agricultural operation under **§39-1-102, C.R.S.**

### For Residential Improvements on a Farm or Ranch

When identifying land under residential structures on a **farm or ranch** that is determined to be not integral to agricultural activity, Adams County applied the following discovery methods:

- Questionnaires
- Field Inspections
- Phone Interviews
- In Person Interviews
- Personal Knowledge of Occupants
- Aerial Photography

### For Residential Improvements Not Integral to Agriculture

When identifying land under residential structures that is determined to be **not integral** to agricultural activity, Adams County applied the following discovery methods:

- Field Inspections
- Phone Interviews
- In Person Interviews
- Personal Knowledge of Occupants
- Aerial Photography

### Conclusions

Adams County followed the procedures set forth by the **Division of Property Taxation** for classifying and valuing land associated with residential improvements, whether or not the property is considered integral to agricultural use.

### Recommendations

None

## 7. Economic Areas

### **Methodology**

Adams County submitted written narratives and maps outlining its economic areas. SMDA reviewed these materials for clarity, logical consistency, and alignment between the descriptions and mapped boundaries.

### **Conclusions**

Each area is affected by comparable market conditions, which supports consistent property valuations and helps maintain uniformity in values among properties with similar characteristics within the same geographic region.

### **Recommendations**

None

## 8. Natural Resources

### Earth and Stone

#### Methodology

In accordance with the **Assessor's Reference Library (ARL), Volume 3, Chapter 6: Natural Resource Valuation Procedures**, the county used the **income approach** to determine the value of earth and stone production. Production totals, measured in tons, were multiplied by the economic royalty rate established by the **Division of Property Taxation** to calculate projected income. This income figure was then capitalized using the **Hoskold factor**, which is based on the expected life of the reserves or lease. Since production data is not collected by any state or private agency, the operator is the source for both estimated tonnage and reserve life. Ultimately, valuation depends on two primary variables: the quantity of material and the remaining productive life of the site.

#### Conclusions

The county applied the correct formulas and state guidelines to earth and stone resources.

#### Recommendations

None

### Producing Oil and Gas

#### Methodology

Under the guidelines of the **Assessor's Reference Library (ARL), Volume 3, Chapter 6: Valuation of Natural Resources**, the valuation of producing oil and gas leaseholds and lands follows the statutory requirements outlined in **§39-1-103, C.R.S.** and **Article 7 of Title 39, C.R.S.** By law, producing oil and gas properties are assessed based on **87.5% of the selling price** of oil or gas from the previous calendar year. When calculating this value, sales delivered as royalty to federal, state, or local government entities are excluded. For oil or gas produced but not sold during the prior year, valuation is based on the average selling price of comparable production within the same field.

The assessor relies on the production and sales information reported by operators to determine the appropriate valuation for assessment purposes, ensuring that the procedures conform to state statutes and the ARL's established methodologies.

#### Conclusions

The county applied the correct formulas and state guidelines to producing oil and gas resources.

#### Recommendations

None

## 9. Personal Property

### Methodology

SMDA reviewed Adams County's personal property assessment procedures for compliance with the **Assessor's Reference Library (ARL), Volume 5** and the requirements of the **State Board of Equalization (SBOE)**. The SBOE mandates the use of ARL Volume 5, which includes up-to-date discovery processes, classification methods, documentation standards, economic life tables, cost factor tables, depreciation schedules, and level-of-value adjustment tables.

The county provided a current personal property audit plan for the 2025 valuation period along with a list of audited businesses, which matched the plan requirements. For counties with populations over 100,000, including Adams, a statistically valid sample of audited schedules was selected to confirm compliance with state laws and Property Tax Administrator guidelines.

To identify and discover personal property accounts, Adams County used several methods:

- Public record documents
- Chamber of Commerce/Economic Development contacts
- Local publications
- Personal observation
- Questionnaires

The county follows all classification, documentation, and valuation procedures recommended by the **Division of Property Taxation (DPT)**, including the prescribed cost factor tables, depreciation schedules, and level-of-value adjustment factors.

Adams County also employed a structured audit process using multiple audit triggers to select accounts for review:

- Accounts close to \$56,000 actual value exemption status
- Lowest or highest quartile of value per square foot
- Accounts protested with substantial disagreement
- Non-filing taxpayers
- Businesses with no deletions or additions for 2 or more years
- Same business type or use
- Accounts with omitted property
- Incomplete or inconsistent declarations
- Accounts with greater than 10% change
- New businesses filing for the first time
- Accounts with obvious discrepancies
- Businesses in selected area

**Conclusions**

Adams County implemented effective discovery, classification, documentation, valuation, and auditing practices for personal property assessments. The county's procedures align with ARL Volume 5, meet all SBOE requirements, and demonstrate statistical compliance.

**Recommendations**

None

# 10. Possessory Interest

## Methodology

SMDA reviewed Adams County's discovery and valuation of possessory interest properties to ensure they correctly applied the guidelines outlined in the **Assessor's Reference Library (ARL), Volume 3, Chapter 7**, in accordance with **§39-1-103(17)(a)(II), C.R.S.** Possessory interest refers to a private right to occupy or use government-owned property granted through a lease, license, permit, concession, contract, or other agreement, as defined by the Property Tax Administrator.

SMDA reviewed Adams County's assessment procedures for compliance with these guidelines for **agricultural and commercial** possessory interests. The county confirmed the completeness of its discovery process and whether it was confident that all relevant possessory interest properties had been identified and placed on the assessment roll.

## Conclusions

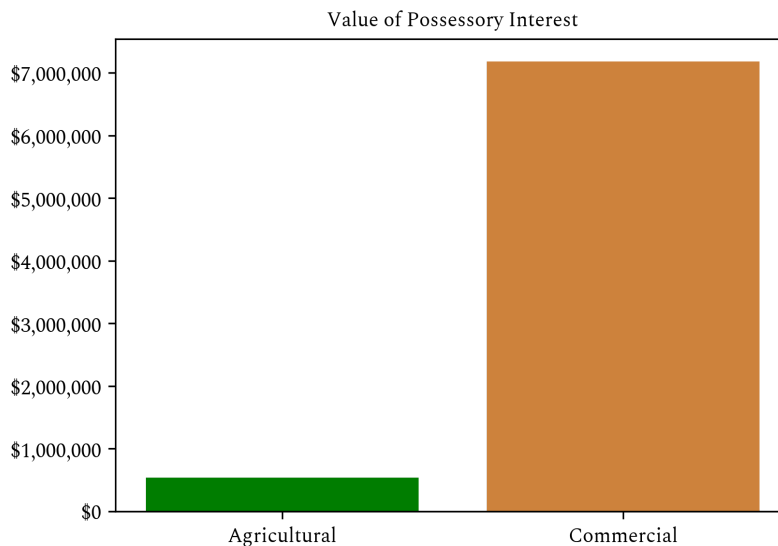
Adams County established an effective discovery process to ensure that possessory interest properties were added to the tax roll. The county consistently applied the proper procedures and valuation methods according to State guidelines, resulting in accurate and compliant assessments.

## Recommendations

None

## Possessory Interest Breakdown

Possessory Interest Type	Value
Agricultural	\$535,983
Commercial	\$7,181,900



# 11. Sales Verification

## Methodology

As part of the Property Assessment Study, SMDA conducted an evaluation of Adams County's procedures for verifying real estate sales. This review was guided by the relevant provisions of the **Colorado Revised Statutes**:

A representative body of sales is required when considering the market approach to appraisal.

*(8) In any case in which sales prices of comparable properties within any class or subclass are utilized when considering the market approach to appraisal in the determination of actual value of any taxable property, the following limitations and conditions shall apply:*

*(a)(I) Use of the market approach shall require a representative body of sales, including sales by a lender or government, sufficient to set a pattern, and appraisals shall reflect due consideration of the degree of comparability of sales, including the extent of similarities and dissimilarities among properties that are compared for assessment purposes. In order to obtain a reasonable sample and to reduce sudden price changes or fluctuations, all sales shall be included in the sample that reasonably reflect a true or typical sales price during the period specified in section 39-1-104 (10.2). Sales of personal property exempt pursuant to the provisions of sections 39-3-102, 39-3-103, and 39-3-119 to 39-3-122 shall not be included in any such sample.*

*(b) Each such sale included in the sample shall be coded to indicate a typical, negotiated sale, as screened and verified by the assessor. (39-1-103, C.R.S.)*

The assessor is required to use sales of real property only in the valuation process.

*(8)(f) Such true and typical sales shall include only those sales which have been determined on an individual basis to reflect the selling price of the real property only or which have been adjusted on an individual basis to reflect the selling price of the real property only. (39-1-103, C.R.S.)*

SMDA examined Adams County's sales verification practices for the 2025 valuation period by reviewing a selection of sales from Adams County's master sales list. A total of 119 unqualified sales were analyzed. Of these, 117 sales provided clear and supportable reasons for disqualification and 2 were switched to qualified after the analysis.

Where fewer than **50% of sales** were qualified within a property class, SMDA evaluated the reasons for disqualification within any subclass comprising **20% or more** of the class (by property count or value). When indications arose that sales data might be inadequate, unrepresentative, or incorrectly disqualified, SMDA discussed these cases directly with the assessor. SMDA also reviewed disqualified sales by assigned code to confirm consistent application; additional analysis was performed if SMDA discovered discrepancies.

## **Conclusions**

Based on SMDA's review, Adams County performed adequately in verifying residential sales and applying statutory requirements.

Qualified vacant land sales represented less than 50% of the total over the two-year period. This is typical for vacant land when there are a multitude of reasons to disqualify a sale and the majority are multi-parcel.

Over the two-year period, qualified commercial sales accounted for less than 50% of the total. A review of the unqualified sales with the Adams County commercial team verified that disqualification decisions were consistent with established procedures and do not reflect a procedural concern.

## **Recommendations**

None

## 12. Subdivision Discounting

### Methodology

SMDA reviewed Adams County's subdivision discounting practices to ensure compliance with §39-1-103(14), C.R.S. The review confirmed that discounting was applied to subdivisions where fewer than 80% of vacant lots had been sold. For each qualifying subdivision, an absorption rate was estimated to reflect the expected timeframe for selling the remaining parcels. Using the Summation Method and following the Division of Property Taxation guidelines, an appropriate discount rate was developed to account for the anticipated holding period and associated carrying costs.

### Conclusions

Adams County properly applied discounting procedures for qualifying subdivisions. The county's estimates of absorption periods, discount rates, and lot values are consistent with statutory requirements and state-recommended methodologies.

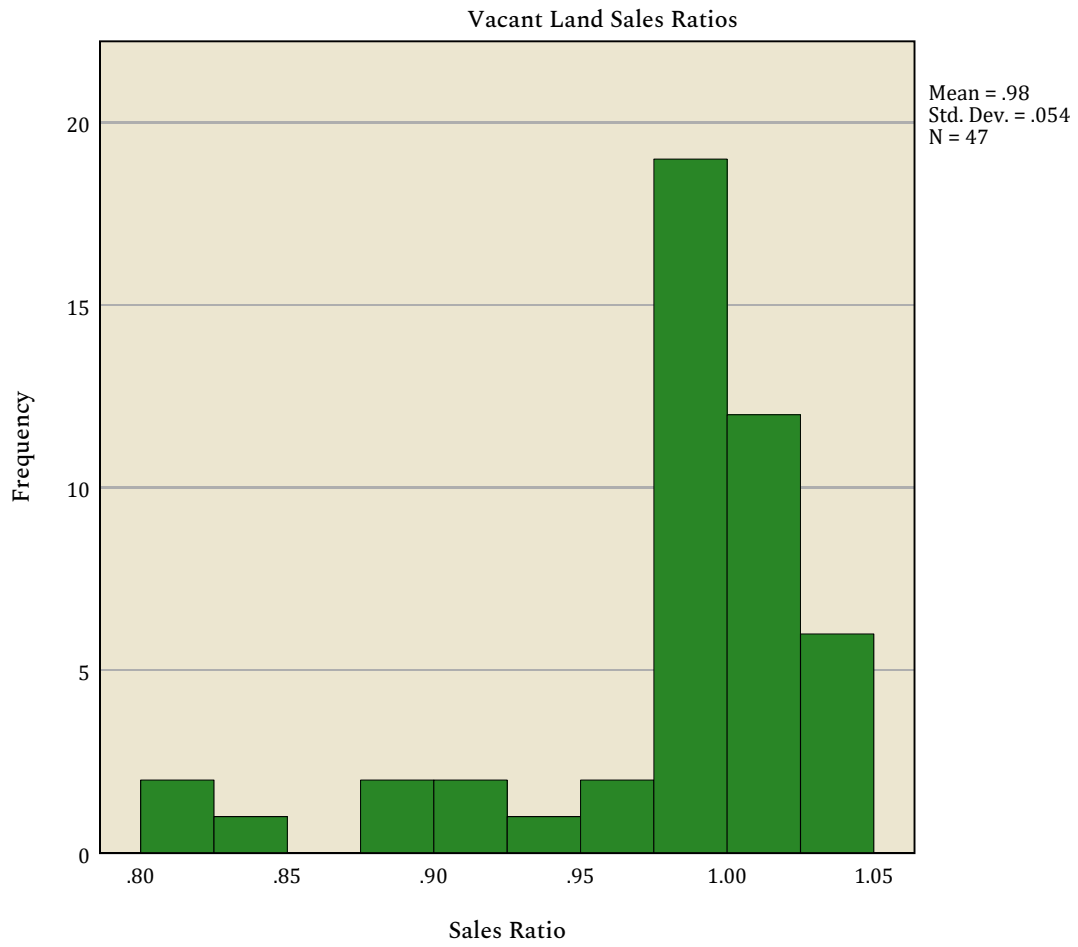
### Recommendations

None

# 13. Appendix

### OVERALL Vacant Land: Sales Ratio Distribution

Graph



### OVERALL Vacant Land: Central Tendencies

#### Ratio Statistics

Ratio Statistics for Current Total Value /  
Adjusted Sale Price

N	Median	Coefficient of Dispersion
50	.988	.051

#### Ratio Statistics

Ratio Statistics for Current Total  
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
.016	.970

**OVERALL Vacant Land: Sales Price by Sales Ratio**

**Regression**

		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	.953	.022		44.306	<.001
	Adjusted Sale Price	1.164E-8	.000	.119	.829	.411

a. Dependent Variable: Sales Ratio

**Graph**



**OVERALL Vacant Land: Months by Inverted Sales Ratio**

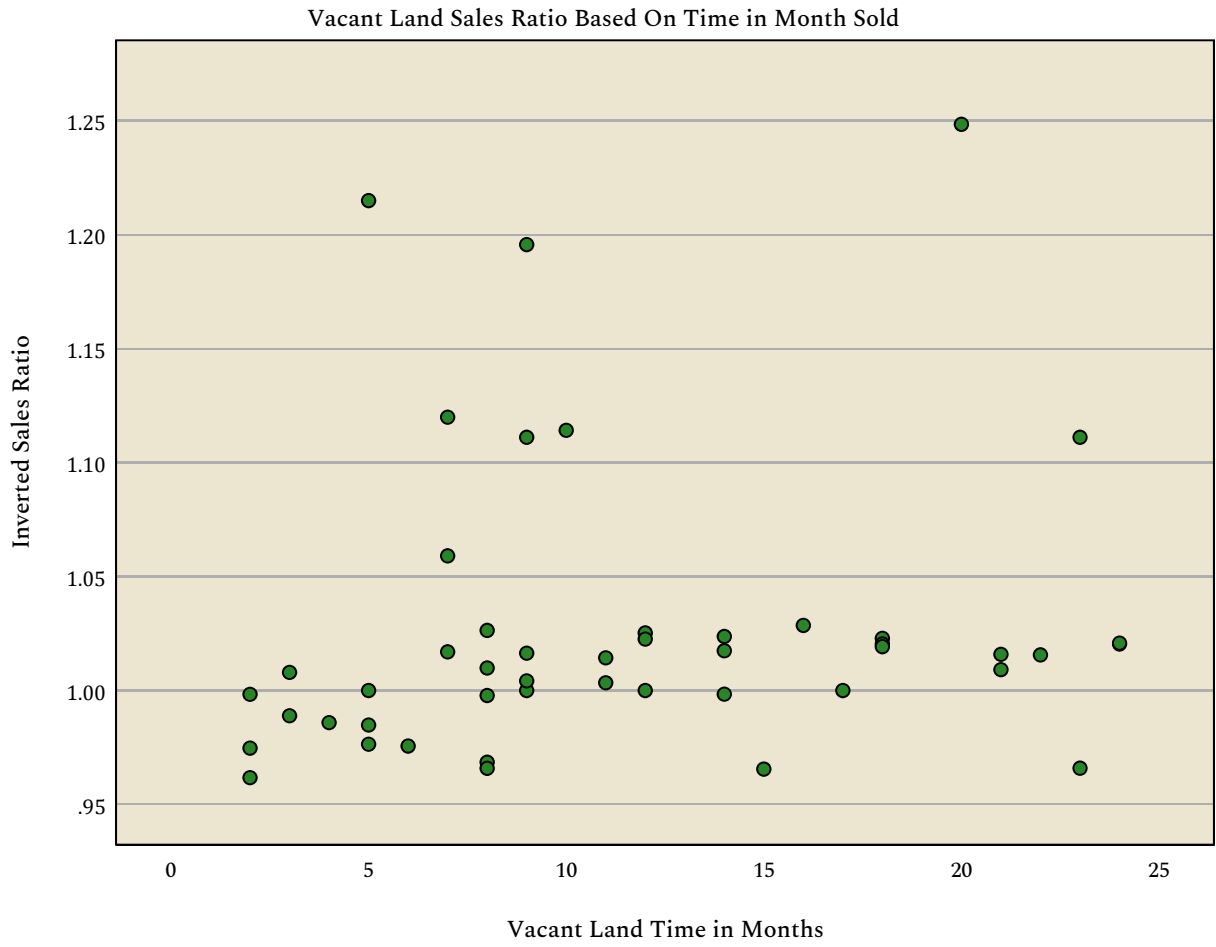
**Regression**

Model		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.699	.314		2.225	.031
	Vacant Land Time in Months	.044	.024	.255	1.824	.074

a. Dependent Variable: Inverted Sales Ratio

**Graph**

**OVERALL Vacant Land: Months by Inverted Sales Ratio**



**OVERALL Vacant Land: Descriptive Statistics**

**Frequencies**

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	50	50	50
	Missing	0	0	0
Mean		\$411,501.04	\$707,758.96	\$296,257.92
Median		\$189,278.50	\$296,000.00	\$70,339.50
Percentiles	2.5	\$3,007.50	\$36,755.00	-\$112,341.75
	25	\$92,000.00	\$141,750.00	\$5,562.50
	50	\$189,278.50	\$296,000.00	\$70,339.50
	75	\$332,300.00	\$541,160.75	\$274,633.75
	97.5	\$4,099,821.33	\$7,372,892.93	\$3,542,824.38

**OVERALL Vacant Land: Mann-Whitney U-Test (Rank-sum)**

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Current Total Value is the same across categories of Vacant Land Sold vs. Unsold.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Current Total Value across Vacant Land Sold vs. Unsold**

Independent-Samples Mann-Whitney U Test Summary

Total N	16482
Mann-Whitney U	67005.000
Wilcoxon W	135162708.000
Test Statistic	67005.000
Standard Error	31857.643
Standardized Test Statistic	-9.506
Asymptotic Sig.(2-sided test)	<.001

**Nonparametric Tests**

**OVERALL Vacant Land: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Total Value is the same across categories of Vacant Land Sold vs. Unsold.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

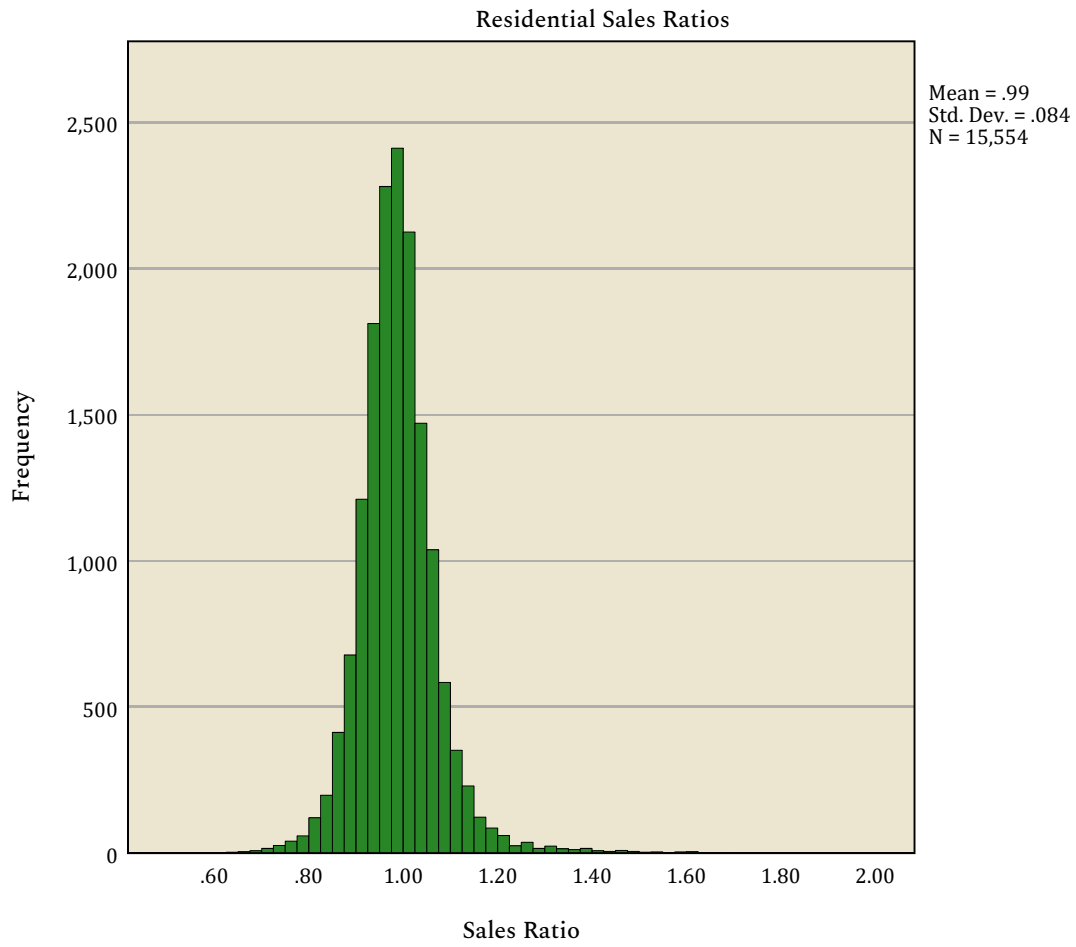
**Difference in Total Value across Vacant Land Sold vs. Unsold**

Independent-Samples Mann-Whitney U Test Summary

Total N	14982
Mann-Whitney U	154456.500
Wilcoxon W	111823496.500
Test Statistic	154456.500
Standard Error	26489.525
Standardized Test Statistic	-4.888
Asymptotic Sig.(2-sided test)	<.001

### OVERALL Residential: Sales Ratio Distribution

Graph



**OVERALL Residential: Central Tendencies**

**Ratio Statistics**

Ratio Statistics for Current Total Value /  
Adjusted Sale Price

N	Median	Coefficient of Dispersion
15577	.984	.060

**Ratio Statistics**

Ratio Statistics for Current Total  
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.028	1.014

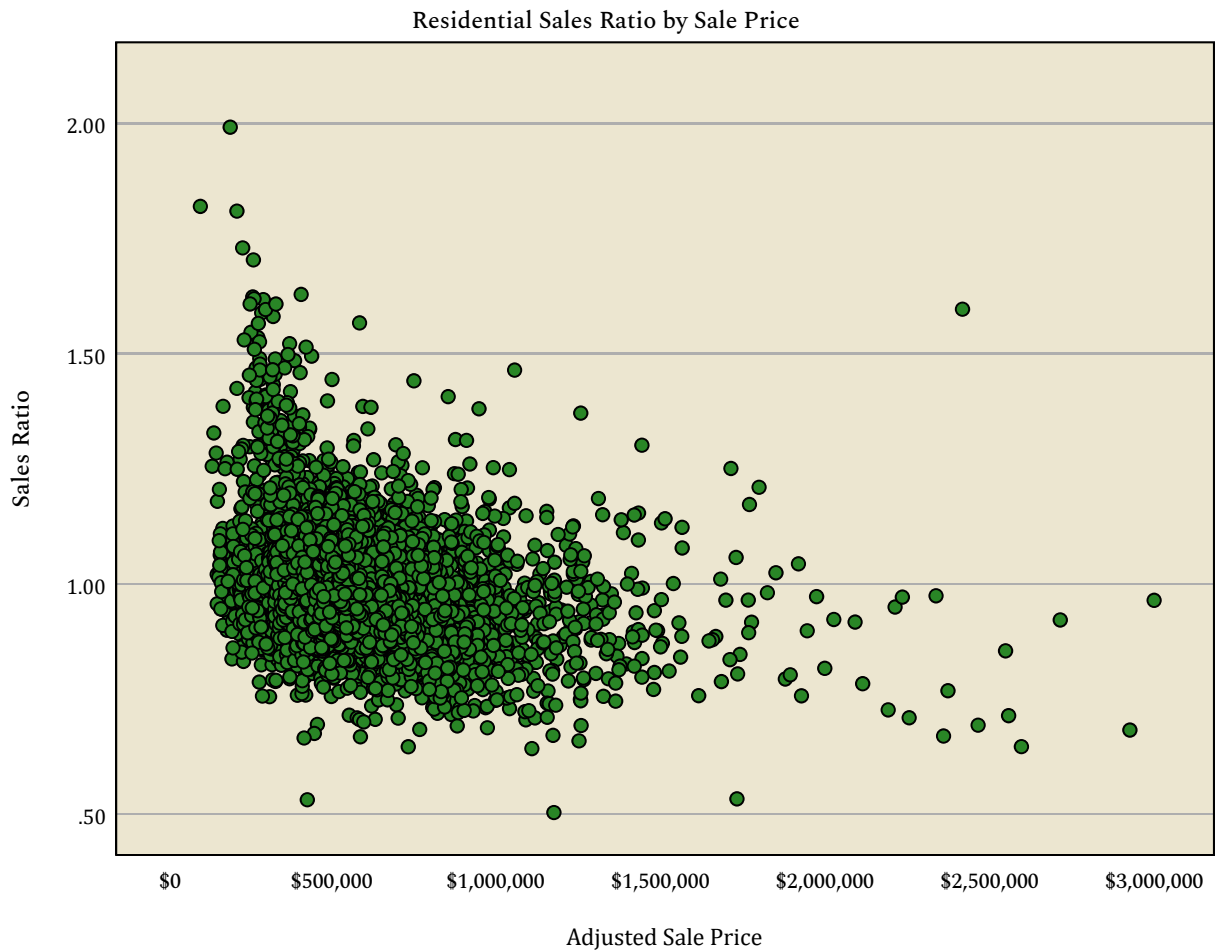
**OVERALL Residential: Sales Price by Sales Ratio**

**Regression**

		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	.994	.001		1203.797	<.001
	Adjusted Sale Price	-1.025E-8	.000	-.101	-12.733	<.001

a. Dependent Variable: Sales Ratio

**Graph**



**OVERALL Residential: Months by Inverted Sales Ratio**

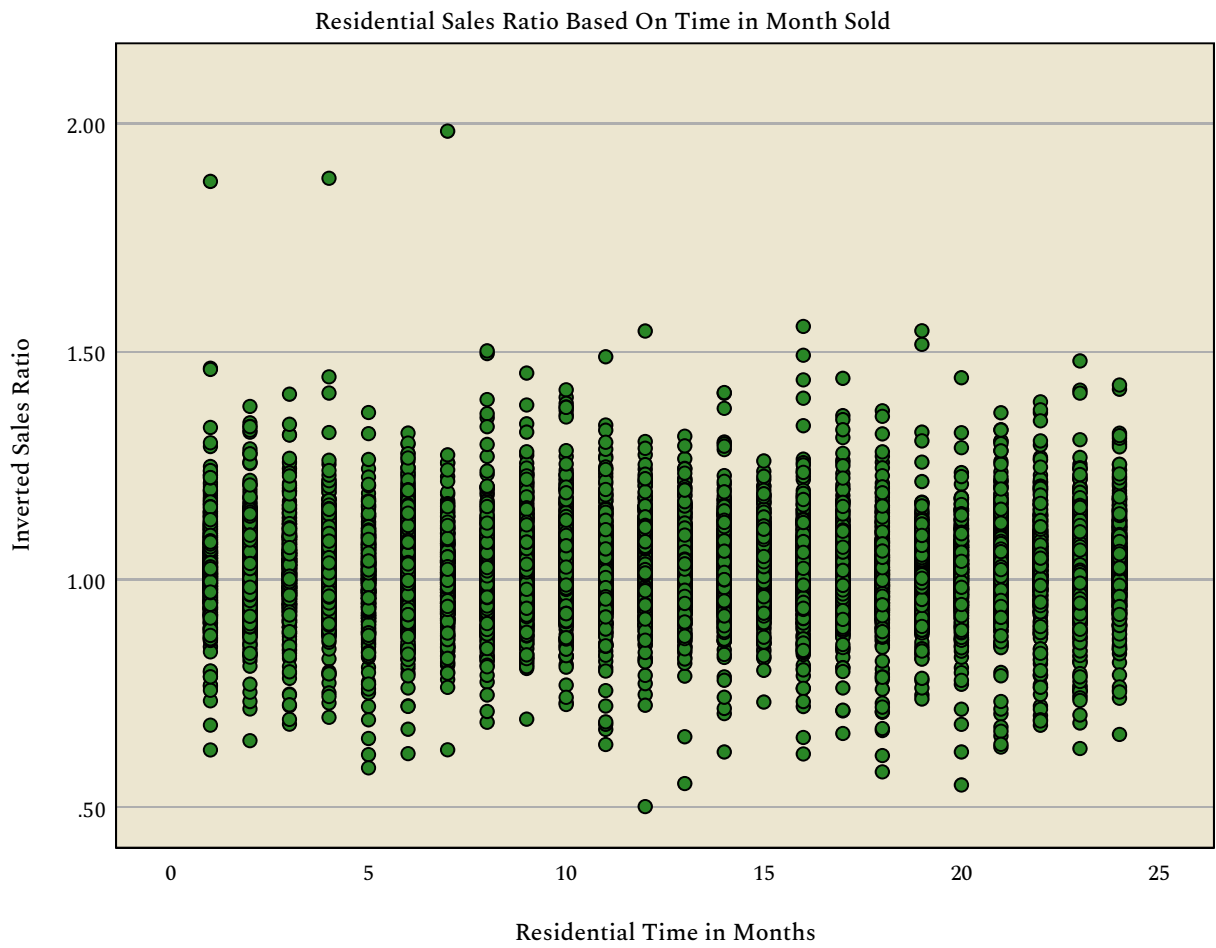
**Regression**

		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.014	.002		650.878	<.001
	Residential Time in Months	.000	.000	.035	4.380	<.001

a. Dependent Variable: Inverted Sales Ratio

**Graph**

OVERALL Residential: Months by Inverted Sales Ratio



**OVERALL Residential: Descriptive Statistics**

**Frequencies**

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	15576	15576	15576
	Missing	1	1	1
Mean		\$294.42	\$293.86	1.17
Median		\$269.00	\$262.02	.96
Percentiles	2.5	\$84.05	\$172.38	.87
	25	\$229.21	\$228.80	.94
	50	\$269.00	\$262.02	.96
	75	\$311.59	\$301.86	1.00
	97.5	\$433.09	\$419.86	2.68

**Frequencies**

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	15577	15577	15577
	Missing	0	0	0
Mean		\$546,496.77	\$547,706.68	\$1,209.91
Median		\$518,000.00	\$507,000.00	-\$22,000.00
Percentiles	2.5	\$178,000.00	\$279,000.00	-\$78,550.00
	25	\$428,000.00	\$433,000.00	-\$34,000.00
	50	\$518,000.00	\$507,000.00	-\$22,000.00
	75	\$622,000.00	\$605,000.50	\$1,000.00
	97.5	\$912,379.50	\$904,550.00	\$359,755.00

**OVERALL Residential: Mann-Whitney U-Test (Rank-sum)**

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Total Value is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Total Value across Residential Sold vs Unsold**

Independent-Samples Mann-Whitney U Test Summary

Total N	132392
Mann-Whitney U	464406909.000
Wilcoxon W	7976293215.000
Test Statistic	464406909.000
Standard Error	3643357.215
Standardized Test Statistic	-37.734
Asymptotic Sig.(2-sided test)	<.001

**Nonparametric Tests**

**OVERALL Residential: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Price Per Foot is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Price Per Foot across Residential Sold vs Unsold**

Independent-Samples Mann-Whitney U Test Summary

Total N	132442
Mann-Whitney U	672587601.500
Wilcoxon W	8130639247.500
Test Statistic	672587601.500
Standard Error	3728097.223
Standardized Test Statistic	11.518
Asymptotic Sig.(2-sided test)	<.001

**Nonparametric Tests**

**OVERALL Residential: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Price Per Foot is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Price Per Foot across Residential Sold vs Unsold**

Independent-Samples Mann-Whitney U Test Summary

Total N	132440
Mann-Whitney U	452605572.000
Wilcoxon W	7982152542.000
Test Statistic	452605572.000
Standard Error	3629227.216
Standardized Test Statistic	-39.704
Asymptotic Sig.(2-sided test)	<.001

**OVERALL Residential: Unit Value Comparison**

**Summarize**

Sold vs Unsold

Difference in Price Per Foot

Residential Sold vs Unsold	N	Median	Mean
SOLD	10803	.96	.98
UNSOLD	128609	.95	.97
Total	139412	.95	.97

**OVERALL Residential: Neighborhood Group**

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Median	Coefficient of Dispersion
102	75	.993	.079
115	243	.997	.066
119	526	1.006	.079
122	399	.983	.064
124	1041	.993	.045
130	472	.978	.058
140	326	.989	.045
150	187	.977	.045
200	341	.982	.087
210	338	.972	.082
220	304	.983	.076
225	210	.987	.075
230	34	.956	.072
240	661	.979	.069
300	492	.989	.071
400	427	.978	.074
420	662	.994	.058
425	1369	.993	.056
430	577	.979	.052
500	200	.982	.076
520	228	.984	.084
530	2590	.986	.049
600	273	.978	.075
610	108	.951	.072
620	895	.961	.063
Overall	12978	.985	.061

**Ratio Statistics**

**OVERALL Residential: Neighborhood Group**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Price Related Bias	Price Related Differential
102	75	.097	1.004
115	243	-.061	1.021
119	526	-.156	1.018
122	399	-.044	1.006
124	1041	-.079	1.004
130	472	-.100	1.010
140	326	-.074	1.003
150	187	-.027	1.004
200	341	-.131	1.022
210	338	-.059	1.012
220	304	-.239	1.010
225	210	-.166	1.013
230	34	-.365	1.010
240	661	-.047	1.010
300	492	-.239	1.008
400	427	-.224	1.009
420	662	-.084	1.005
425	1369	-.084	1.008
430	577	-.067	1.005
500	200	-.136	1.011
520	228	-.157	1.015
530	2590	-.079	1.006
600	273	-.042	1.007
610	108	-.349	1.008
620	895	-.100	1.056
Overall	12978	-.048	1.012

**OVERALL Residential: Number of Sales by Value Group**

Frequencies

Statistics

Groups of Value

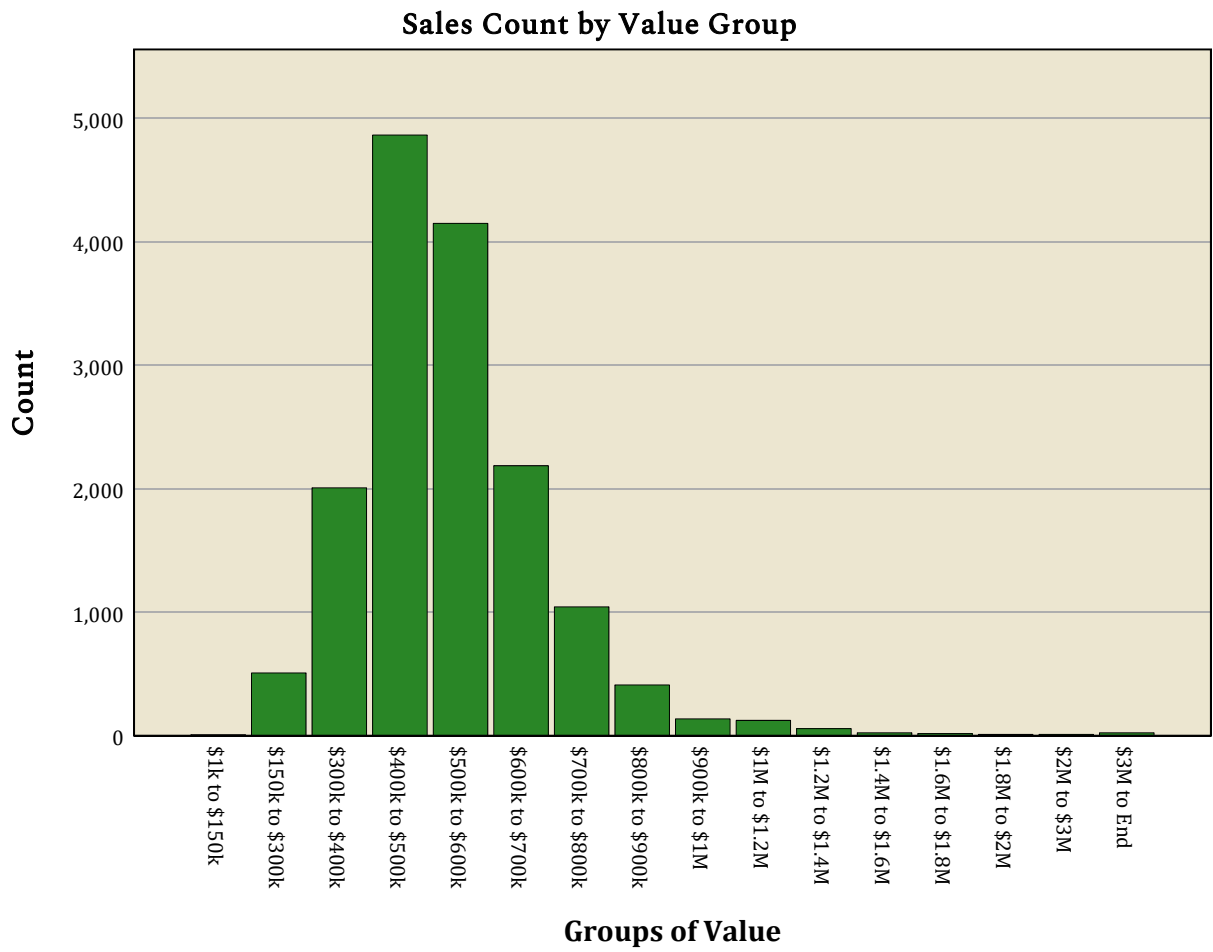
N	Valid	15577
	Missing	0

Groups of Value

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	\$1k to \$150k	8	.1	.1	.1
	\$150k to \$300k	508	3.3	3.3	3.3
	\$300k to \$400k	2007	12.9	12.9	16.2
	\$400k to \$500k	4863	31.2	31.2	47.4
	\$500k to \$600k	4148	26.6	26.6	74.0
	\$600k to \$700k	2186	14.0	14.0	88.1
	\$700k to \$800k	1043	6.7	6.7	94.8
	\$800k to \$900k	411	2.6	2.6	97.4
	\$900k to \$1M	136	.9	.9	98.3
	\$1M to \$1.2M	124	.8	.8	99.1
	\$1.2M to \$1.4M	57	.4	.4	99.4
	\$1.4M to \$1.6M	24	.2	.2	99.6
	\$1.6M to \$1.8M	17	.1	.1	99.7
	\$1.8M to \$2M	10	.1	.1	99.8
	\$2M to \$3M	11	.1	.1	99.8
	\$3M to End	24	.2	.2	100.0
	Total		15577	100.0	100.0

Graph

OVERALL Residential: Number of Sales by Value Group



**OVERALL Residential: Central Tendencies by Value Group**

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Median	Coefficient of Dispersion
\$1k to \$150k	8	.946	.196
\$150k to \$300k	508	.959	.073
\$300k to \$400k	2007	.975	.061
\$400k to \$500k	4863	.984	.056
\$500k to \$600k	4148	.990	.053
\$600k to \$700k	2186	.991	.064
\$700k to \$800k	1043	.978	.065
\$800k to \$900k	411	.981	.079
\$900k to \$1M	136	.966	.088
\$1M to \$1.2M	124	.981	.106
\$1.2M to \$1.4M	57	.985	.095
\$1.4M to \$1.6M	24	.905	.154
\$1.6M to \$1.8M	17	.981	.148
\$1.8M to \$2M	10	.948	.147
\$2M to \$3M	11	.965	.133
\$3M to End	24	.940	.125
Overall	15577	.984	.060

**Ratio Statistics**

**OVERALL Residential: Central Tendencies by Value Group**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Price Related Bias	Price Related Differential
\$1k to \$150k	8	1.660	1.034
\$150k to \$300k	508	-.190	1.018
\$300k to \$400k	2007	-.344	1.007
\$400k to \$500k	4863	-.410	1.006
\$500k to \$600k	4148	-.481	1.006
\$600k to \$700k	2186	-.657	1.007
\$700k to \$800k	1043	-.792	1.008
\$800k to \$900k	411	-1.001	1.011
\$900k to \$1M	136	-1.055	1.015
\$1M to \$1.2M	124	-.879	1.017
\$1.2M to \$1.4M	57	-1.002	1.014
\$1.4M to \$1.6M	24	-1.190	1.034
\$1.6M to \$1.8M	17	-1.226	1.037
\$1.8M to \$2M	10	-1.178	1.036
\$2M to \$3M	11	-.601	1.041
\$3M to End	24	-.024	1.129
Overall	15577	-.028	1.014

**OVERALL Residential: Sales by Building Area Group**

**Frequencies**

Statistics

Groups by Building Area

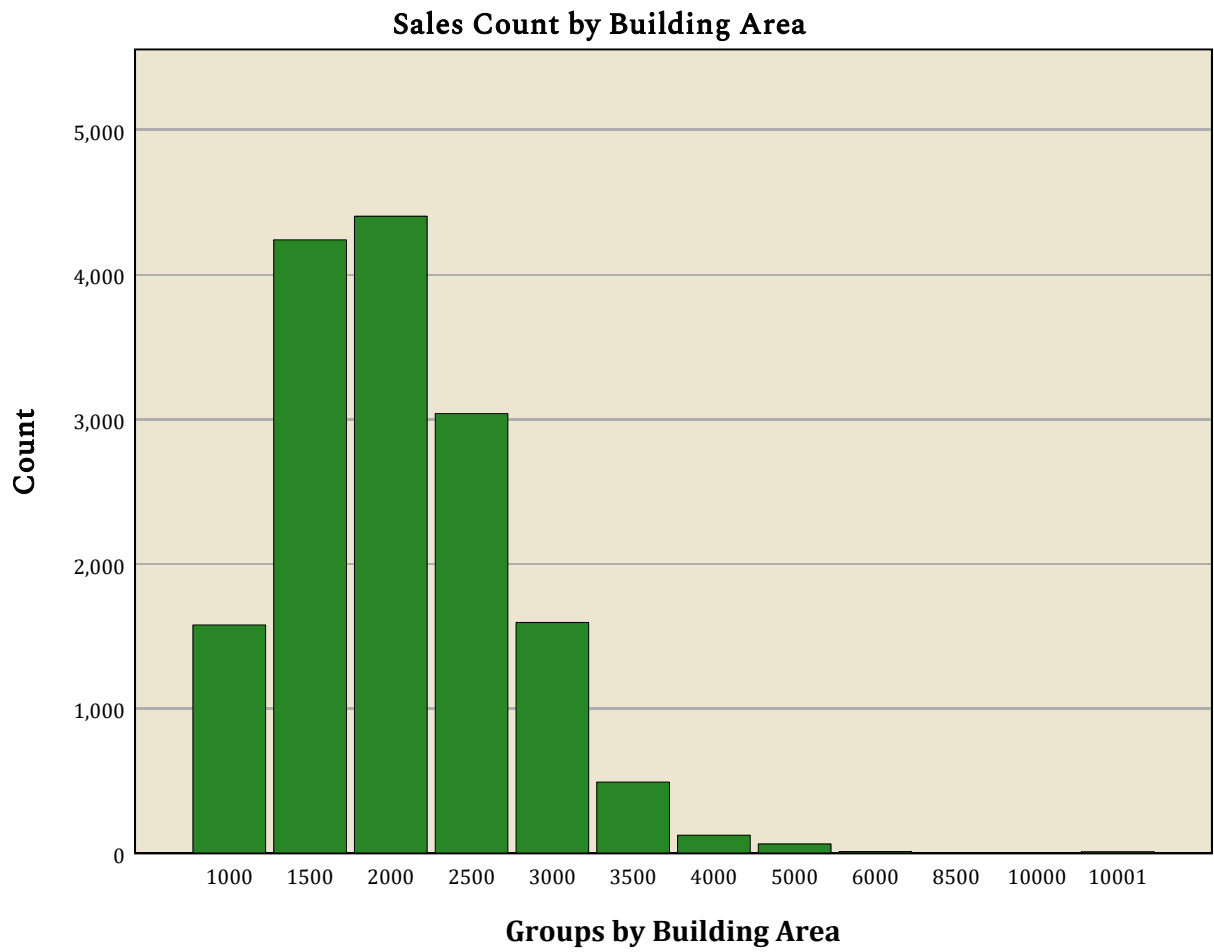
N	Valid	15577
	Missing	0

Groups by Building Area

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1000	1579	10.1	10.1	10.1
	1500	4240	27.2	27.2	37.4
	2000	4403	28.3	28.3	65.6
	2500	3039	19.5	19.5	85.1
	3000	1596	10.2	10.2	95.4
	3500	493	3.2	3.2	98.5
	4000	126	.8	.8	99.4
	5000	66	.4	.4	99.8
	6000	13	.1	.1	99.9
	8500	4	.0	.0	99.9
	10000	6	.0	.0	99.9
	10001	12	.1	.1	100.0
	Total	15577	100.0	100.0	

**Graph**

**OVERALL Residential: Sales by Building Area Group**



**OVERALL Residential: Central Tendencies by Area Group**

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Median	Coefficient of Dispersion
1000	1579	.972	.072
1500	4240	.982	.060
2000	4403	.990	.055
2500	3039	.986	.057
3000	1596	.987	.059
3500	493	.966	.078
4000	126	.951	.101
5000	66	.984	.100
6000	13	1.001	.111
8500	4	1.034	.138
10000	6	.891	.147
10001	12	.837	.166
Overall	15577	.984	.060

**Ratio Statistics**

**OVERALL Residential: Central Tendencies by Area Group**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Price Related Bias	Price Related Differential
1000	1579	-.024	1.008
1500	4240	-.064	1.006
2000	4403	-.069	1.006
2500	3039	-.087	1.020
3000	1596	-.072	1.007
3500	493	-.044	1.009
4000	126	-.054	1.017
5000	66	.010	1.010
6000	13	-.051	1.015
8500	4	.011	1.017
10000	6	-.065	1.194
10001	12	.085	.903
Overall	15577	-.028	1.014

**OVERALL Residential: Sales by Economic Area Group**

**Frequencies**

Statistics

Economic Area

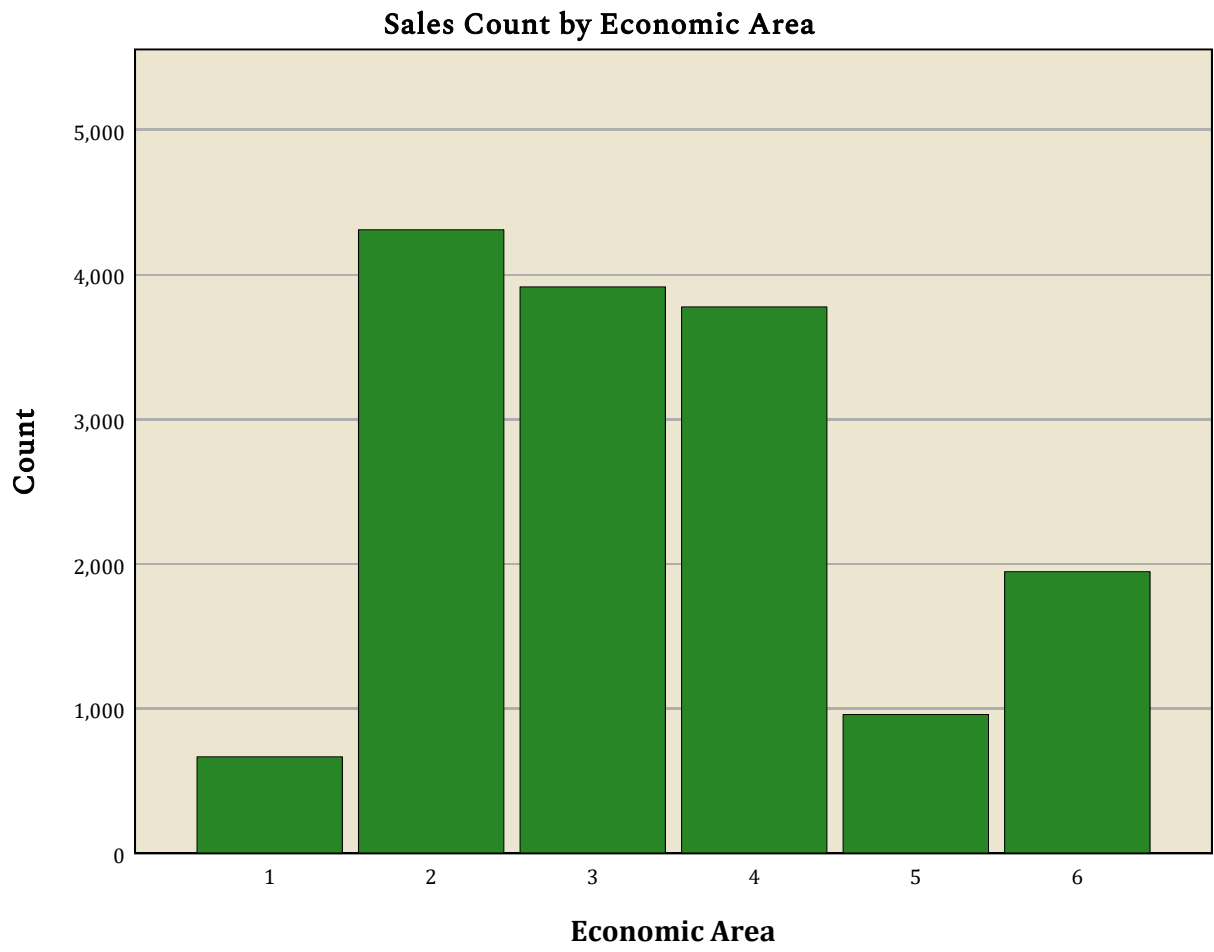
N	Valid	15577
	Missing	0

Economic Area

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	668	4.3	4.3	4.3
	2	4310	27.7	27.7	32.0
	3	3915	25.1	25.1	57.1
	4	3777	24.2	24.2	81.3
	5	960	6.2	6.2	87.5
	6	1947	12.5	12.5	100.0
	Total	15577	100.0	100.0	

**Graph**

**OVERALL Residential: Sales by Economic Area Group**



**OVERALL Residential: Central Tendencies by Economic Area Group**

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Median	Coefficient of Dispersion
1	668	.985	.055
2	4310	.988	.050
3	3915	.989	.060
4	3777	.982	.065
5	960	.981	.083
6	1947	.969	.065
Overall	15577	.984	.060

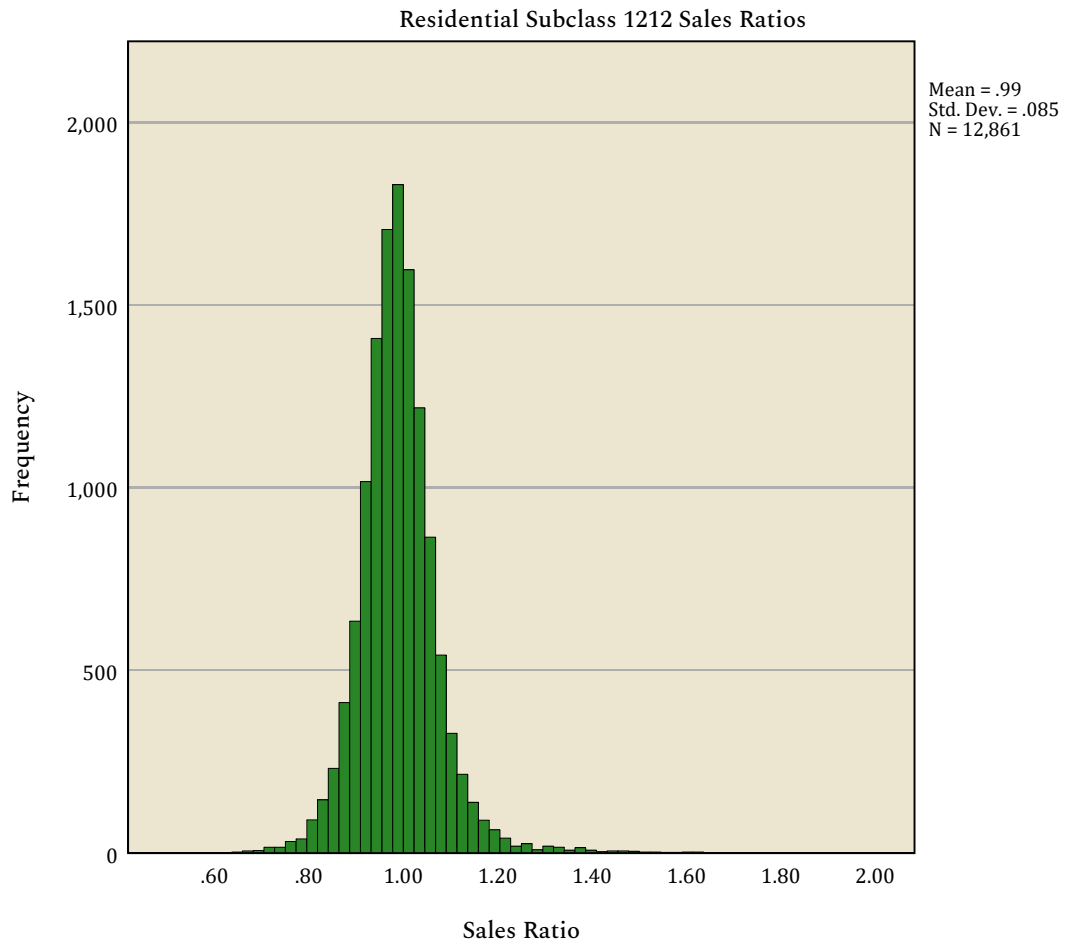
**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Price Related Bias	Price Related Differential
1	668	.004	1.004
2	4310	-.047	1.006
3	3915	-.026	1.010
4	3777	-.017	1.016
5	960	-.058	1.017
6	1947	-.055	1.037
Overall	15577	-.028	1.014

### Residential Subclass 1212: Sales Ratio Distribution

Graph



**Residential Subclass 1212: Central Tendencies**

**Ratio Statistics**

Ratio Statistics for Current Total Value /  
Adjusted Sale Price

N	Median	Coefficient of Dispersion
12866	.986	.061

**Ratio Statistics**

Ratio Statistics for Current Total  
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.050	1.009

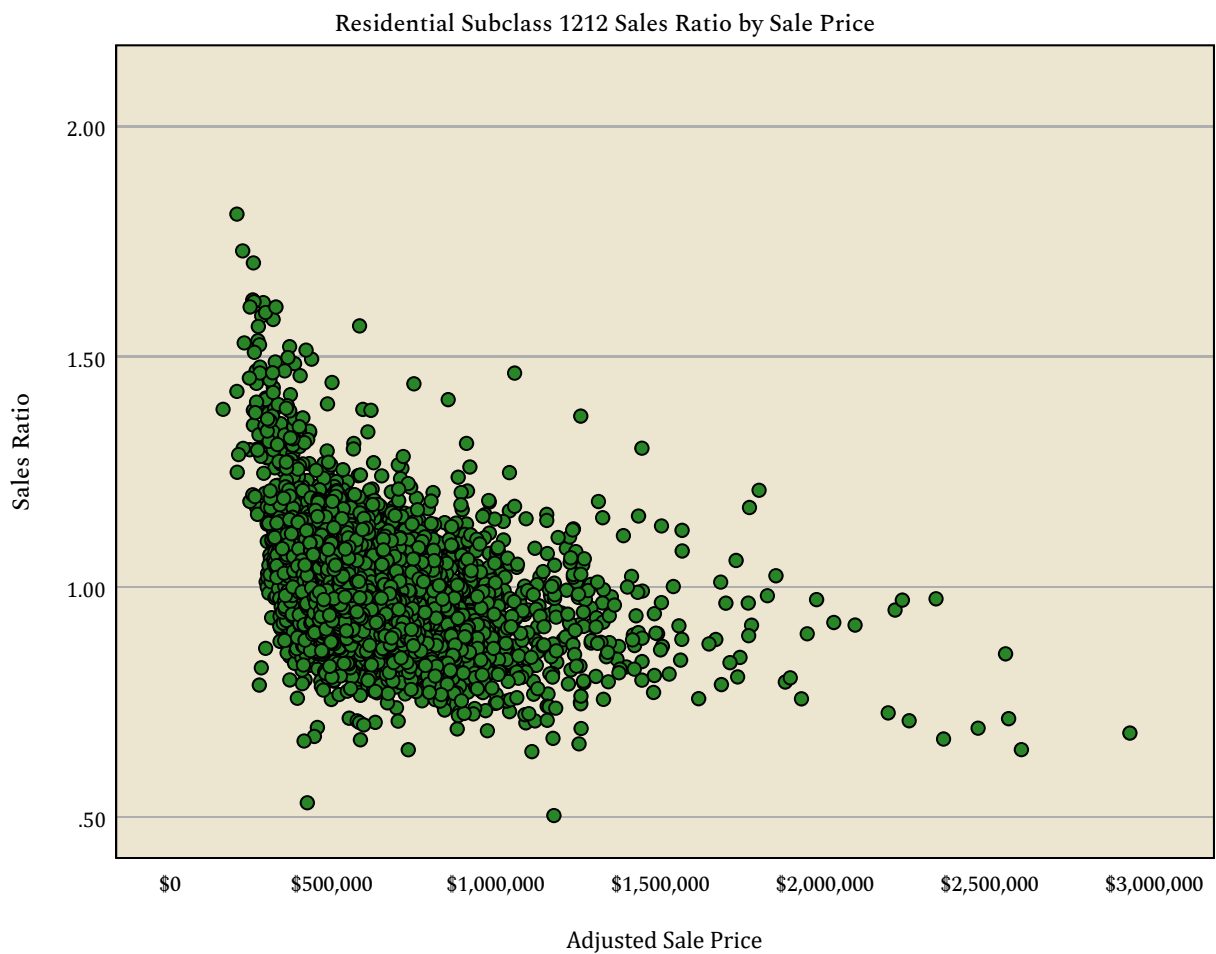
### Residential Subclass 1212: Sales Price by Sales Ratio

Regression

		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.079	.002		440.949	<.001
	Adjusted Sale Price	-1.565E-7	.000	-.320	-38.252	<.001

a. Dependent Variable: Sales Ratio

Graph



**Residential Subclass 1212: Months by Inverted Sales Ratio**

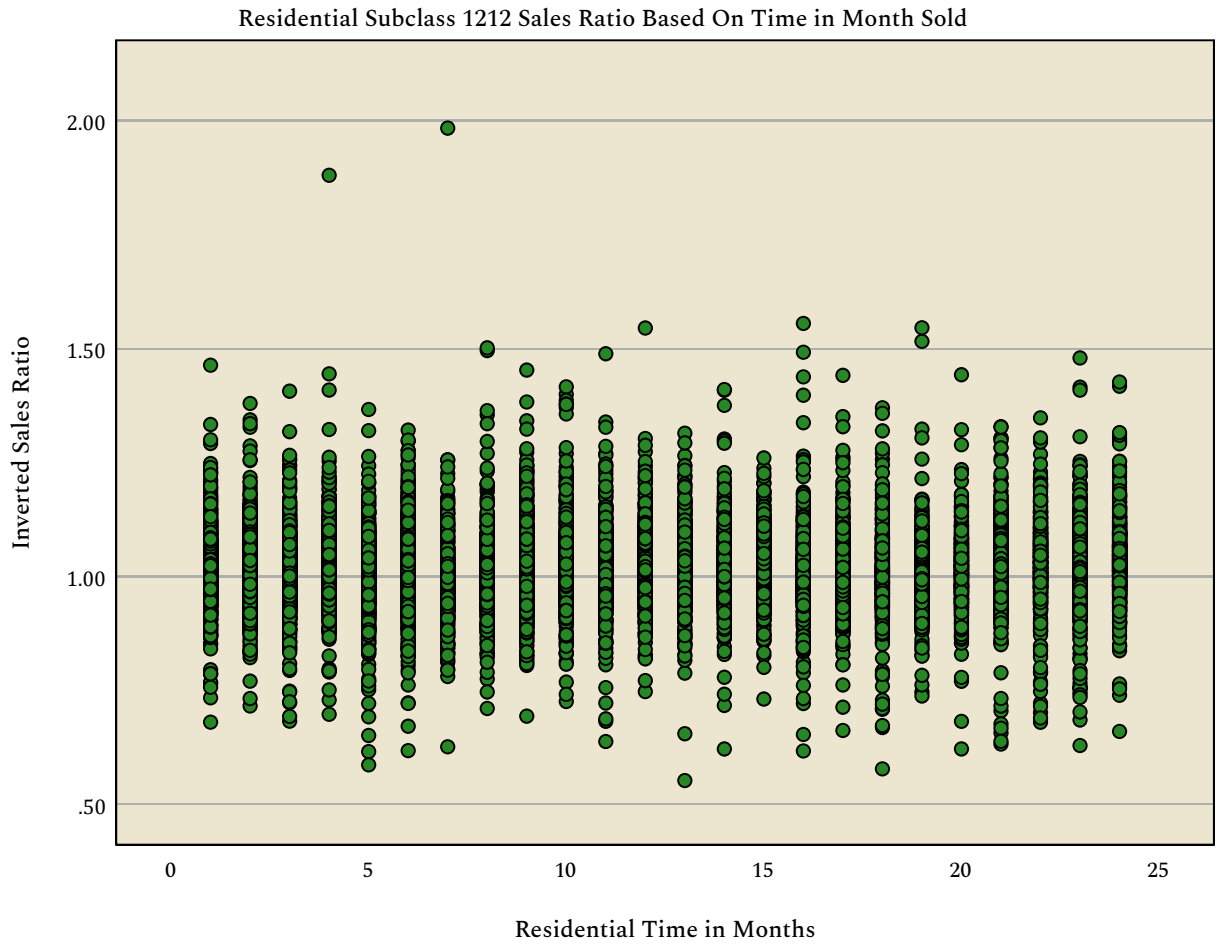
**Regression**

		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.012	.002		668.437	<.001
	Residential Time in Months	.001	.000	.042	4.757	<.001

a. Dependent Variable: Inverted Sales Ratio

**Graph**

### Residential Subclass 1212: Months by Inverted Sales Ratio



**Residential Subclass 1212: Descriptive Statistics**

**Frequencies**

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	12866	12866	12866
	Missing	0	0	0
Mean		\$269.58	\$268.99	1.20
Median		\$265.84	\$258.94	.95
Percentiles	2.5	\$58.06	\$171.45	.87
	25	\$225.40	\$225.80	.94
	50	\$265.84	\$258.94	.95
	75	\$312.29	\$299.54	.99
	97.5	\$439.55	\$425.93	4.46

**Frequencies**

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	12866	12866	12866
	Missing	0	0	0
Mean		\$558,765.26	\$560,831.60	\$2,066.35
Median		\$545,000.00	\$528,000.00	-\$26,000.00
Percentiles	2.5	\$115,000.00	\$363,000.00	-\$80,000.00
	25	\$464,000.00	\$462,000.00	-\$36,000.00
	50	\$545,000.00	\$528,000.00	-\$26,000.00
	75	\$645,807.25	\$627,000.00	-\$3,000.00
	97.5	\$919,000.00	\$916,000.00	\$411,755.65

**Residential Subclass 1212: Mann-Whitney U-Test (Rank-sum)**

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Total Value is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Total Value across Residential Sold vs Unsold**

Independent-Samples Mann-Whitney U Test Summary

Total N	110485
Mann-Whitney U	312382300.000
Wilcoxon W	5616212821.000
Test Statistic	312382300.000
Standard Error	2664442.111
Standardized Test Statistic	-27.559
Asymptotic Sig.(2-sided test)	<.001

**Nonparametric Tests**

**Residential Subclass 1212: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Price Per Foot is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Price Per Foot across Residential Sold vs Unsold**

Independent-Samples Mann-Whitney U Test Summary

Total N	110507
Mann-Whitney U	443963109.500
Wilcoxon W	5700317355.500
Test Statistic	443963109.500
Standard Error	2744267.257
Standardized Test Statistic	12.779
Asymptotic Sig.(2-sided test)	<.001

**Nonparametric Tests**

**Residential Subclass 1212: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Price Per Foot is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Price Per Foot across Residential Sold vs Unsold**

Independent-Samples Mann-Whitney U Test Summary

Total N	110507
Mann-Whitney U	297565219.500
Wilcoxon W	5618815922.500
Test Statistic	297565219.500
Standard Error	2641569.075
Standardized Test Statistic	-30.776
Asymptotic Sig.(2-sided test)	<.001

### Residential Subclass 1212: Unit Comparison Method

**Summarize**

Sold vs Unsold Percent Change for Subclass 1212

Difference in Price Per Foot

Residential Sold vs Unsold	N	Median	Mean
SOLD	8408	.96	.97
UNSOLD	107917	.94	.97
Total	116325	.94	.97

**Summarize**

Sold vs Unsold Percent Change for Subclass 1212 by Economic Area

Difference in Price Per Foot

Economic Area	Residential Sold vs Unsold	N	Median	Mean
	UNSOLD	9	.97	1.08
	Total	9	.97	1.08
1	SOLD	355	.96	.97
	UNSOLD	3558	.96	1.64
	Total	3913	.96	1.58
2	SOLD	2010	.95	.96
	UNSOLD	20953	.94	.95
	Total	22963	.94	.95
3	SOLD	2051	.96	.97
	UNSOLD	27670	.95	.95
	Total	29721	.95	.96
4	SOLD	2567	.96	.98
	UNSOLD	37144	.94	.94
	Total	39711	.94	.95
5	SOLD	760	.97	.99
	UNSOLD	10505	.95	.96
	Total	11265	.95	.96
6	SOLD	665	.95	.96
	UNSOLD	8078	.94	.94
	Total	8743	.94	.94

**Residential Subclass 1212: Unit Comparison Method**

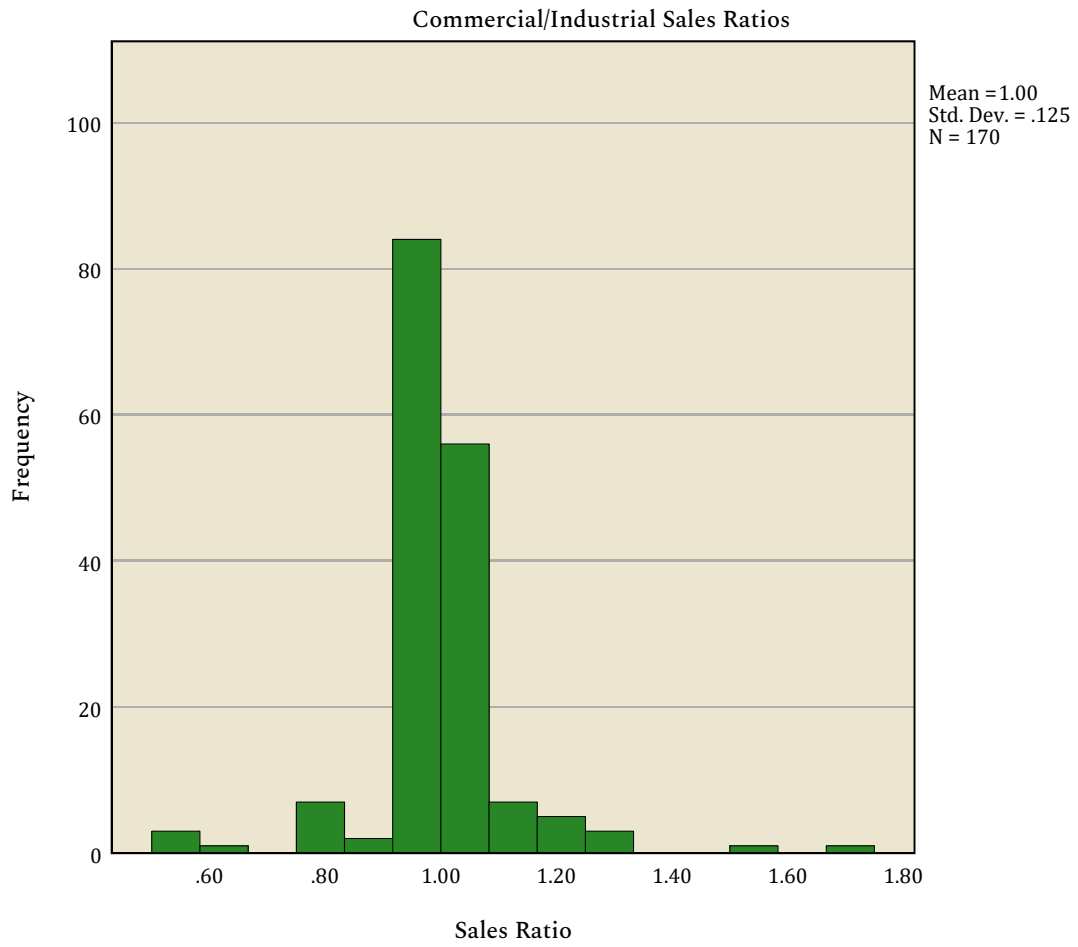
Sold vs Unsold Percent Change for Subclass 1212 by Economic Area

Difference in Price Per Foot

Economic Area	Residential Sold vs Unsold	N	Median	Mean
Total	SOLD	8408	.96	.97
	UNSOLD	107917	.94	.97
	Total	116325	.94	.97

### OVERALL Commercial/Industrial: Sales Ratio Distribution

Graph



**OVERALL Commercial/Industrial: Central Tendencies**

**Ratio Statistics**

Ratio Statistics for Current Total Value /  
Adjusted Sale Price

N	Median	Coefficient of Dispersion
199	.993	.070

**Ratio Statistics**

Ratio Statistics for Current Total  
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.013	1.021

**OVERALL Commercial/Industrial: Sales Price by Sales Ratio**

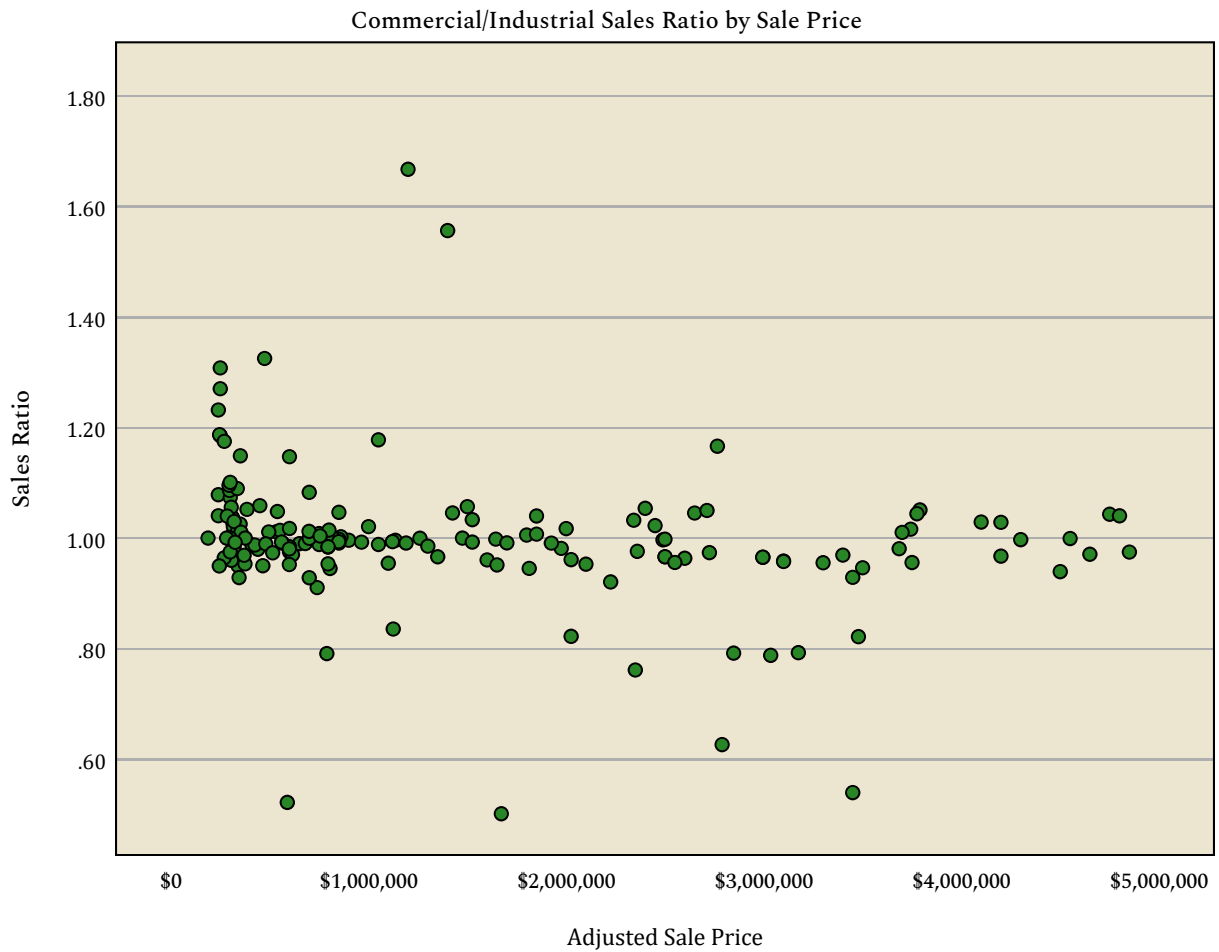
**Regression**

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.997	.011		87.192	<.001
	Adjusted Sale Price	-4.228E-9	.000	-.111	-1.574	.117

a. Dependent Variable: Sales Ratio

**Graph**



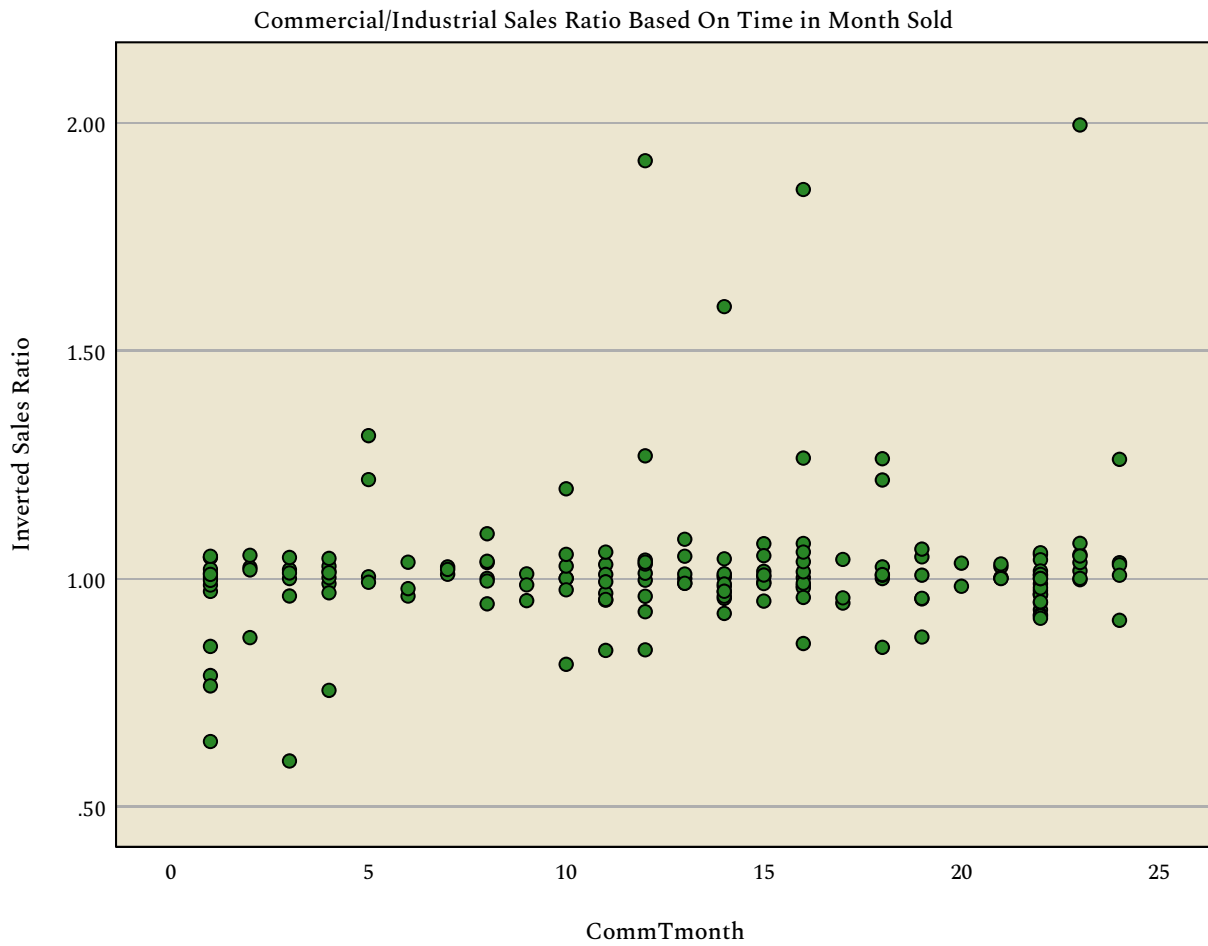
**OVERALL Commercial/Industrial: Months by Inverted Sales Ratio**

**Regression**

		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	.994	.028		35.108	<.001
	CommTmonth	.003	.002	.121	1.704	.090

a. Dependent Variable: Inverted Sales Ratio

**Graph**



**OVERALL Commercial/Industrial: Descriptive Statistics**

**Frequencies**

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	199	199	199
	Missing	0	0	0
Mean		\$142.62	\$219.22	1.54
Median		\$135.37	\$175.67	1.35
Percentiles	2.5	\$5.49	\$11.19	.84
	25	\$48.90	\$110.00	1.09
	50	\$135.37	\$175.67	1.35
	75	\$190.00	\$267.46	1.73
	97.5	\$434.34	\$656.36	3.00

**Frequencies**

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	199	199	199
	Missing	0	0	0
Mean		\$1,747,647.10	\$2,387,550.85	\$639,903.75
Median		\$798,000.00	\$1,131,289.00	\$216,365.00
Percentiles	2.5	\$133,044.00	\$258,825.00	-\$276,348.00
	25	\$292,500.00	\$419,663.00	\$89,682.00
	50	\$798,000.00	\$1,131,289.00	\$216,365.00
	75	\$2,115,200.00	\$2,968,782.00	\$654,100.00
	97.5	\$8,771,100.00	\$11,269,534.00	\$4,207,891.00

**OVERALL Commercial/Industrial: Mann-Whitney U-Test (Rank-sum)**

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Total Value is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Total Value across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	5048
Mann-Whitney U	305546.500
Wilcoxon W	12229832.500
Test Statistic	305546.500
Standard Error	18410.612
Standardized Test Statistic	-5.285
Asymptotic Sig.(2-sided test)	<.001

**Nonparametric Tests**

**OVERALL Commercial/Industrial: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.237

Hypothesis Test Summary

	Decision
1	Retain the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Price Per Foot across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	4994
Mann-Whitney U	388194.500
Wilcoxon W	12026094.500
Test Statistic	388194.500
Standard Error	18475.358
Standardized Test Statistic	-1.182
Asymptotic Sig.(2-sided test)	.237

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	<.001

**OVERALL Commercial/Industrial: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Price Per Foot across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	5065
Mann-Whitney U	276632.500
Wilcoxon W	12318410.500
Test Statistic	276632.500
Standard Error	18090.108
Standardized Test Statistic	-6.137
Asymptotic Sig.(2-sided test)	<.001

**OVERALL Commercial/Industrial: Unit Value Comparison**

Summarize

Sold vs Unsold

Difference in Price Per Foot

CommSOLDFLG	N	Median	Mean
SOLD	172	1.33	1.42
UNSOLD	5147	1.13	1.26
Total	5319	1.14	1.26

Summarize

Sold vs Unsold

Difference in Price Per Foot

Improvement Abstract Codes	CommSOLDFLG	N	Median	Mean
0710	UNSOLD	1	1.10	1.10
	Total	1	1.10	1.10
1217	UNSOLD	2	1.41	1.41
	Total	2	1.41	1.41
1225	UNSOLD	2	1.04	1.04
	Total	2	1.04	1.04
2212	SOLD	42	1.38	1.54
	UNSOLD	1416	1.08	1.18
	Total	1458	1.08	1.19
2215	SOLD	3	1.20	1.25
	UNSOLD	59	1.04	1.14
	Total	62	1.05	1.15
2220	SOLD	19	1.36	1.44
	UNSOLD	337	1.36	1.37
	Total	356	1.36	1.37
2225	UNSOLD	16	1.03	1.29
	Total	16	1.03	1.29
2230	SOLD	18	1.39	1.61
	UNSOLD	902	1.10	1.24
	Total	920	1.10	1.25

**OVERALL Commercial/Industrial: Unit Value Comparison**

Sold vs Unsold

Difference in Price Per Foot

Improvement Abstract Codes	CommSOLDFLG	N	Median	Mean
2235	SOLD	48	1.36	1.43
	UNSOLD	1365	1.15	1.33
	Total	1413	1.16	1.33
2240	UNSOLD	1	1.74	1.74
	Total	1	1.74	1.74
2245	SOLD	32	1.22	1.24
	UNSOLD	773	1.33	1.27
	Total	805	1.33	1.27
2270	UNSOLD	3	1.00	1.05
	Total	3	1.00	1.05
3212	SOLD	7	1.05	1.13
	UNSOLD	134	1.11	1.21
	Total	141	1.11	1.20
3215	SOLD	3	1.20	1.20
	UNSOLD	110	1.04	1.18
	Total	113	1.04	1.18
3225	UNSOLD	6	1.83	1.77
	Total	6	1.83	1.77
3230	UNSOLD	9	1.43	1.38
	Total	9	1.43	1.38
3270	UNSOLD	4	1.24	1.29
	Total	4	1.24	1.29
4279	UNSOLD	4	1.61	2.05
	Total	4	1.61	2.05
9225	UNSOLD	1	1.29	1.29
	Total	1	1.29	1.29
9251	UNSOLD	2	1.37	1.37
	Total	2	1.37	1.37

**OVERALL Commercial/Industrial: Unit Value Comparison**

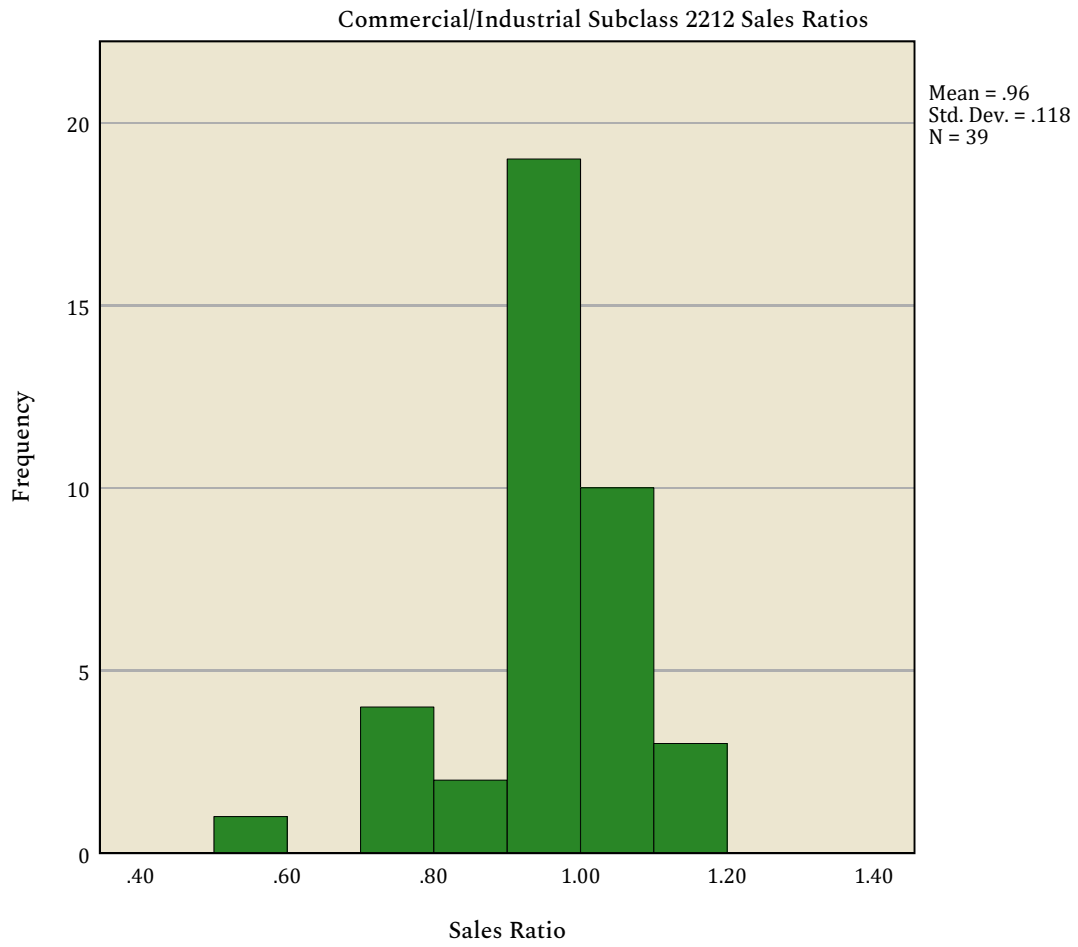
Sold vs Unsold

Difference in Price Per Foot

Improvement Abstract Codes	CommSOLDFLG	N	Median	Mean
Total	SOLD	172	1.33	1.42
	UNSOLD	5147	1.13	1.26
	Total	5319	1.14	1.26

### Commercial/Industrial Subclass 2212: Sales Ratio Distribution

Graph



**Commercial/Industrial Subclass 2212: Central Tendencies**

**Ratio Statistics**

Ratio Statistics for Current Total Value /  
Adjusted Sale Price

N	Median	Coefficient of Dispersion
47	.983	.092

**Ratio Statistics**

Ratio Statistics for Current Total  
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
.006	1.014

**Commercial/Industrial Subclass 2212: Sales Price by Sales Ratio**

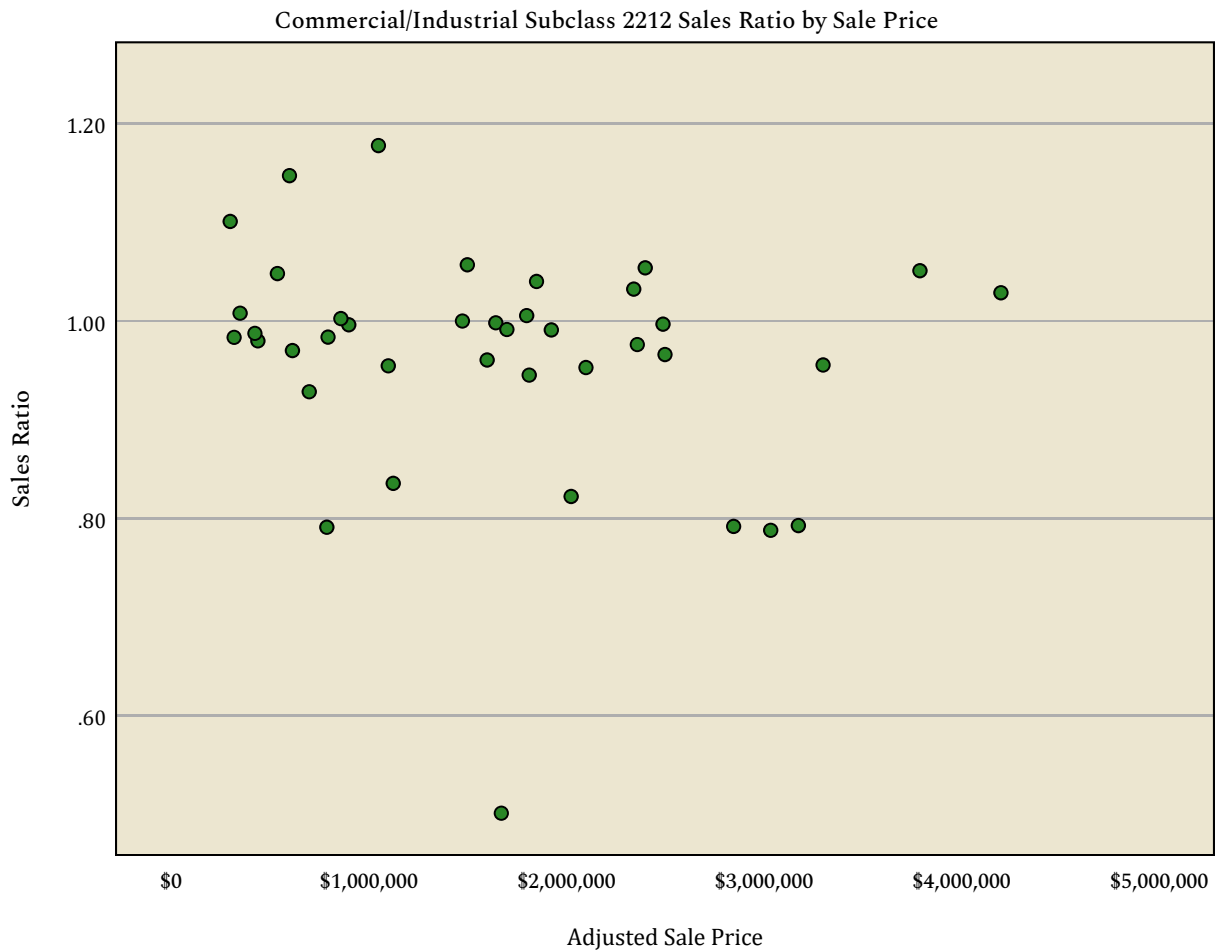
**Regression**

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.951	.031		30.310	<.001
	Adjusted Sale Price	-5.007E-9	.000	-.083	-.559	.579

a. Dependent Variable: Sales Ratio

**Graph**



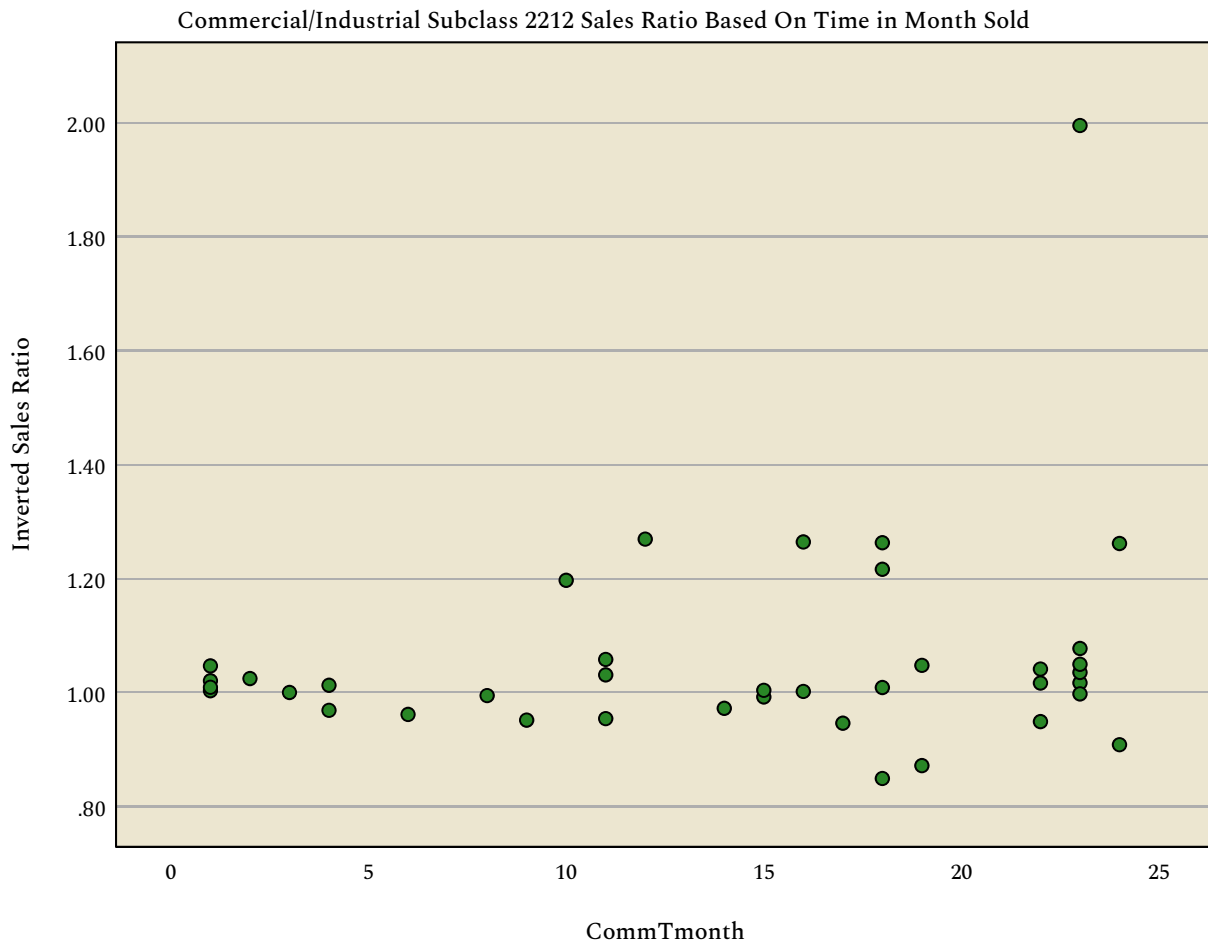
**Commercial/Industrial Subclass 2212: Months by Inverted Sales Ratio**

**Regression**

		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.024	.085		12.041	<.001
	CommTmonth	.006	.005	.167	1.139	.261

a. Dependent Variable: Inverted Sales Ratio

**Graph**



**Commercial/Industrial Subclass 2212: Descriptive Statistics**

**Frequencies**

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	47	47	47
	Missing	0	0	0
Mean		\$221.22	\$386.64	1.71
Median		\$190.00	\$291.58	1.50
Percentiles	2.5	\$94.69	\$123.77	.96
	25	\$135.17	\$194.38	1.25
	50	\$190.00	\$291.58	1.50
	75	\$239.15	\$402.65	1.90
	97.5	\$827.03	\$1,797.09	4.21

**Frequencies**

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	47	47	47
	Missing	0	0	0
Mean		\$1,403,391.11	\$2,256,809.55	\$853,418.45
Median		\$1,174,858.00	\$1,664,904.00	\$444,502.00
Percentiles	2.5	\$182,920.00	\$222,759.60	-\$111,882.60
	25	\$397,700.00	\$688,350.00	\$140,517.00
	50	\$1,174,858.00	\$1,664,904.00	\$444,502.00
	75	\$1,598,400.00	\$2,481,958.00	\$974,658.00
	97.5	\$8,783,438.20	\$9,923,311.60	\$4,835,470.40

**Commercial/Industrial Subclass 2212: Mann-Whitney U-Test (Rank-sum)**

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Total Value is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	<.001

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

a. The significance level is .050.

b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Total Value across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	1382
Mann-Whitney U	15670.000
Wilcoxon W	916823.000
Test Statistic	15670.000
Standard Error	2487.144
Standardized Test Statistic	-4.491
Asymptotic Sig.(2-sided test)	<.001

**Nonparametric Tests**

**Commercial/Industrial Subclass 2212: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.014

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Price Per Foot across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	1384
Mann-Whitney U	20788.500
Wilcoxon W	924628.500
Test Statistic	20788.500
Standard Error	2490.492
Standardized Test Statistic	-2.446
Asymptotic Sig.(2-sided test)	.014

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	<.001

**Commercial/Industrial Subclass 2212: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

Decision	
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Price Per Foot across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	1384
Mann-Whitney U	11840.000
Wilcoxon W	919718.000
Test Statistic	11840.000
Standard Error	2397.828
Standardized Test Statistic	-5.455
Asymptotic Sig.(2-sided test)	<.001

**Commercial/Industrial Subclass 2212: Unit Comparison Method**

**Summarize**

Sold vs Unsold Percent Change for Subclass 2212

Difference in Price Per Foot

CommSOLDFLG	N	Median	Mean
SOLD	45	1.48	1.63
UNSOLD	1429	1.08	1.18
Total	1474	1.08	1.20

**Commercial/Industrial Subclass 2212: Economic Area Analysis**

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Median	Coefficient of Dispersion
	1	.515	.000
1	4	.885	.296
2	15	.983	.231
3	12	.814	.236
4	33	.928	.310
5	16	.986	.204
6	10	.972	.226
Overall	91	.955	.261

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Price Related Bias	Price Related Differential
	1	.	1.000
1	4	-.237	1.348
2	15	-.094	1.195
3	12	.004	1.030
4	33	-.069	1.447
5	16	-.015	1.022
6	10	-.003	1.108
Overall	91	-.067	1.316

**Summarize**

**Commercial/Industrial Subclass 2212: Economic Area Analysis**

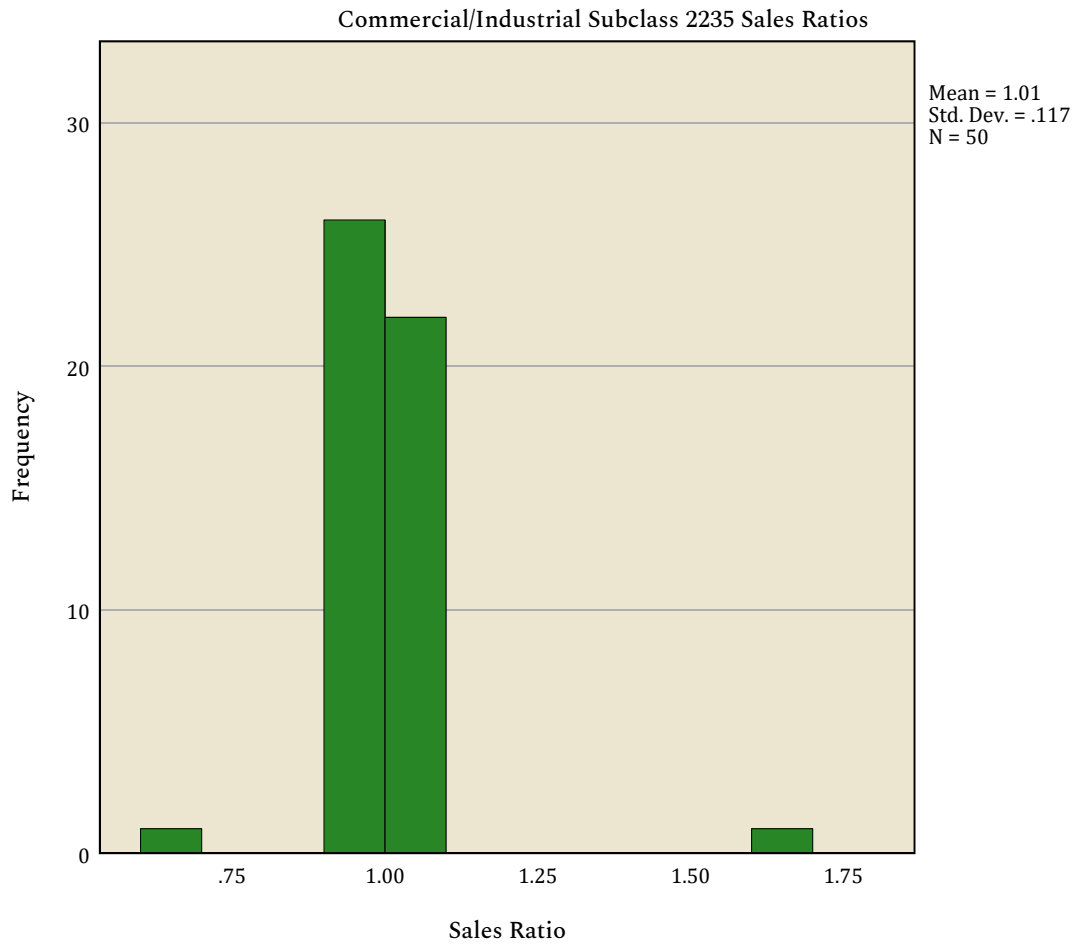
Sold vs Unsold Percent Change for Subclass 2212 by Economic Area

Difference in Price Per Foot

Economic Area	CommSOLDFLG	N	Median	Mean
	UNSOLD	10	1.00	1.22
	Total	10	1.00	1.22
1	SOLD	2	1.28	1.28
	UNSOLD	36	1.12	1.38
	Total	38	1.13	1.37
2	SOLD	6	1.69	1.85
	UNSOLD	191	1.08	1.13
	Total	197	1.08	1.15
3	SOLD	6	1.34	1.37
	UNSOLD	169	1.06	1.15
	Total	175	1.06	1.16
4	SOLD	16	1.34	1.56
	UNSOLD	462	1.08	1.18
	Total	478	1.08	1.19
5	SOLD	11	1.48	1.67
	UNSOLD	365	1.12	1.24
	Total	376	1.13	1.25
6	SOLD	4	1.72	2.00
	UNSOLD	196	1.05	1.13
	Total	200	1.05	1.14
Total	SOLD	45	1.48	1.63
	UNSOLD	1429	1.08	1.18
	Total	1474	1.08	1.20

### Commercial/Industrial Subclass 2235: Sales Ratio Distribution

Graph



**Commercial/Industrial Subclass 2235: Central Tendencies**

**Ratio Statistics**

Ratio Statistics for Current Total Value /  
Adjusted Sale Price

N	Median	Coefficient of Dispersion
60	.994	.053

**Ratio Statistics**

Ratio Statistics for Current Total  
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.017	1.023

**Commercial/Industrial Subclass 2235: Sales Price by Sales Ratio**

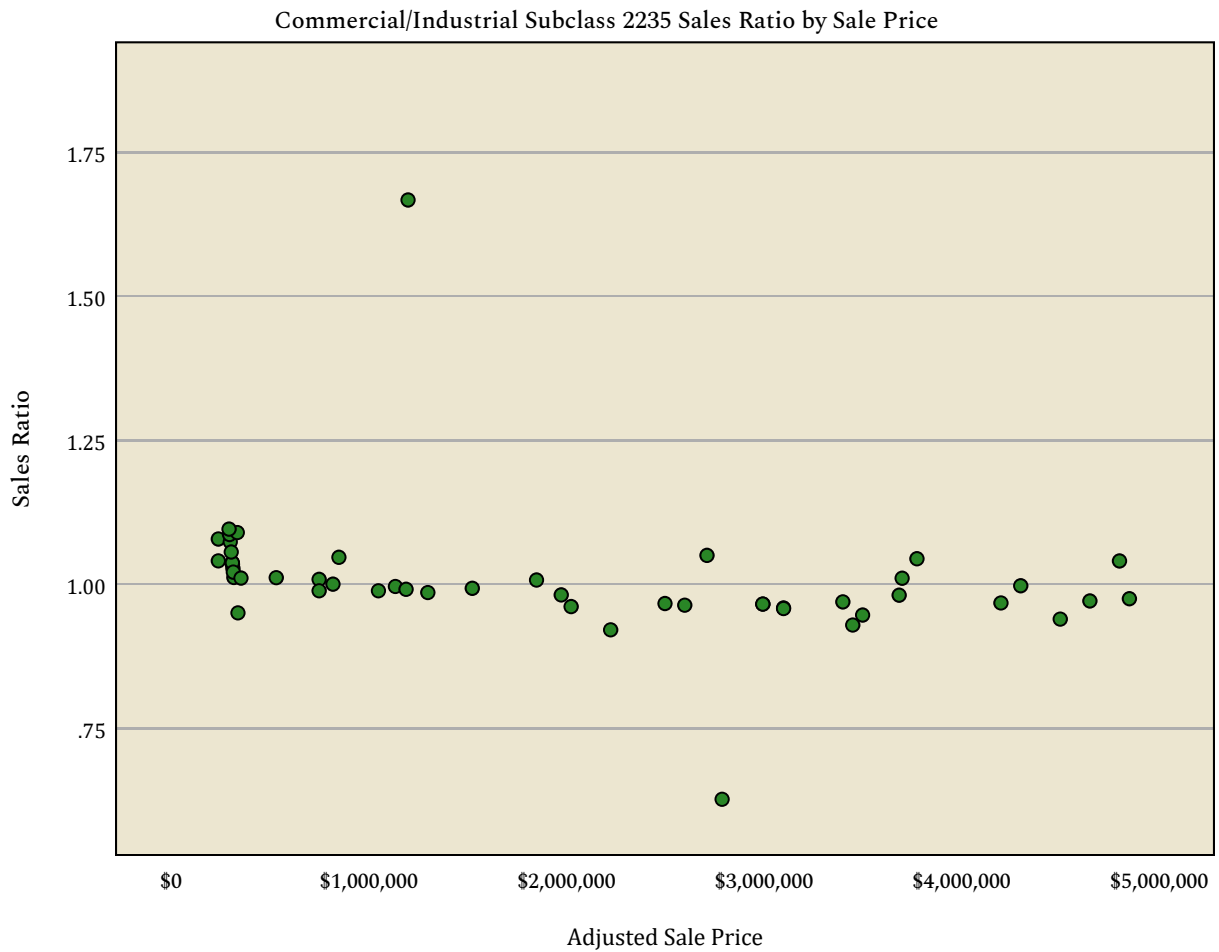
**Regression**

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.025	.020		50.817	<.001
	Adjusted Sale Price	-7.874E-9	.000	-.207	-1.614	.112

a. Dependent Variable: Sales Ratio

**Graph**



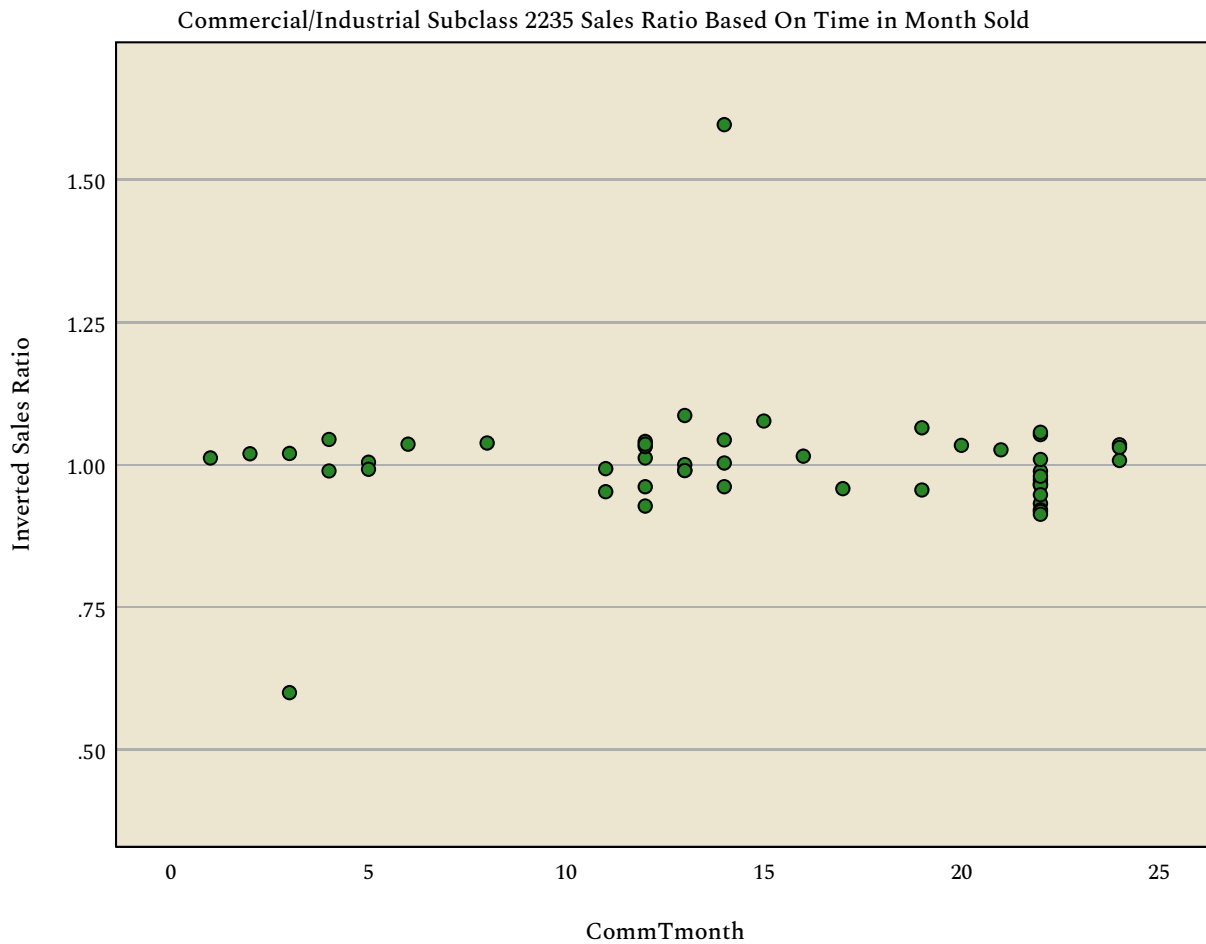
**Commercial/Industrial Subclass 2235: Months by Inverted Sales Ratio**

**Regression**

		Coefficients <sup>a</sup>				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.023	.033		31.450	<.001
	CommTmonth	-.001	.002	-.062	-.476	.636

a. Dependent Variable: Inverted Sales Ratio

**Graph**



**Commercial/Industrial Subclass 2235: Descriptive Statistics**

**Frequencies**

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	60	60	60
	Missing	0	0	0
Mean		\$125.70	\$182.75	1.62
Median		\$124.09	\$160.62	1.41
Percentiles	2.5	\$45.41	\$88.58	.96
	25	\$66.77	\$110.00	1.19
	50	\$124.09	\$160.62	1.41
	75	\$171.03	\$240.03	2.23
	97.5	\$307.84	\$459.28	2.71

**Frequencies**

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	60	60	60
	Missing	0	0	0
Mean		\$2,118,816.40	\$2,886,818.25	\$768,001.85
Median		\$1,707,550.00	\$2,024,562.00	\$344,031.00
Percentiles	2.5	\$133,044.00	\$254,490.63	-\$67,761.82
	25	\$268,487.50	\$409,437.50	\$179,022.00
	50	\$1,707,550.00	\$2,024,562.00	\$344,031.00
	75	\$3,034,050.00	\$4,032,826.50	\$1,009,317.50
	97.5	\$9,500,850.00	\$11,652,565.48	\$3,687,828.33

**Commercial/Industrial Subclass 2235: Mann-Whitney U-Test (Rank-sum)**

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Total Value is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.023

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

a. The significance level is .050.

b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Total Value across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	1339
Mann-Whitney U	24988.000
Wilcoxon W	858974.000
Test Statistic	24988.000
Standard Error	2630.528
Standardized Test Statistic	-2.279
Asymptotic Sig.(2-sided test)	.023

**Nonparametric Tests**

**Commercial/Industrial Subclass 2235: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.004

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Price Per Foot across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	1341
Mann-Whitney U	23548.500
Wilcoxon W	860119.500
Test Statistic	23548.500
Standard Error	2633.806
Standardized Test Statistic	-2.841
Asymptotic Sig.(2-sided test)	.004

**Nonparametric Tests**

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. <sup>a,b</sup>
1	The distribution of Difference in Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.007

**Commercial/Industrial Subclass 2235: Mann-Whitney U-Test (Rank-sum)**

Hypothesis Test Summary

Decision	
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.

**Independent-Samples Mann-Whitney U Test**

**Difference in Price Per Foot across CommSOLDFLG**

Independent-Samples Mann-Whitney U Test Summary

Total N	1337
Mann-Whitney U	22745.000
Wilcoxon W	856731.000
Test Statistic	22745.000
Standard Error	2573.213
Standardized Test Statistic	-2.700
Asymptotic Sig.(2-sided test)	.007

### Commercial/Industrial Subclass 2235: Unit Comparison Method

#### Summarize

Sold vs Unsold Percent Change for Subclass 2235

Difference in Price Per Foot

CommSOLDFLG	N	Median	Mean
SOLD	48	1.36	1.43
UNSOLD	1388	1.15	1.33
Total	1436	1.16	1.33

**Commercial/Industrial Subclass 2235: Economic Area Analysis**

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Median	Coefficient of Dispersion
	4	1.026	.033
2	4	1.002	.094
3	3	1.667	.667
4	8	.987	.010
5	57	.958	.211
6	11	1.007	.123
Overall	87	.971	.212

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Price Related Bias	Price Related Differential
	4	.011	1.000
2	4	-.043	1.098
3	3	-.847	1.742
4	8	-.003	1.002
5	57	-.034	1.320
6	11	.050	.982
Overall	87	-.046	1.213

**Summarize**

**Commercial/Industrial Subclass 2235: Economic Area Analysis**

Sold vs Unsold Percent Change for Subclass 2235 by Economic Area

Difference in Price Per Foot

Economic Area	CommSOLDFLG	N	Median	Mean
	SOLD	3	1.38	1.59
	UNSOLD	142	2.52	2.21
	Total	145	2.52	2.20
1	UNSOLD	12	1.10	1.45
	Total	12	1.10	1.45
2	SOLD	2	1.54	1.54
	UNSOLD	101	1.10	1.18
	Total	103	1.10	1.19
3	SOLD	2	1.89	1.89
	UNSOLD	54	1.08	1.16
	Total	56	1.08	1.19
4	SOLD	8	1.27	1.28
	UNSOLD	94	1.09	1.12
	Total	102	1.10	1.13
5	SOLD	28	1.31	1.39
	UNSOLD	736	1.12	1.24
	Total	764	1.13	1.24
6	SOLD	5	1.45	1.51
	UNSOLD	249	1.17	1.24
	Total	254	1.17	1.25
Total	SOLD	48	1.36	1.43
	UNSOLD	1388	1.15	1.33
	Total	1436	1.16	1.33

**Final Analysis: OVERALL Statistical Abstract.**

**Ratio Statistics**

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Mean	95% Confidence Interval for Mean		Median
			Lower Bound	Upper Bound	
Vacant Land	50	.962	.924	1.000	.988
Residential	15577	.988	.987	.990	.984
Commercial/Industrial	199	.987	.968	1.005	.993
Overall	15826	.988	.987	.990	.984

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	95% Confidence Interval for Median			Weighted Mean	95% Confidence Interval for ...
	Lower Bound	Upper Bound	Actual Coverage		Lower Bound
Vacant Land	.980	1.000	96.7%	.992	.971
Residential	.983	.985	95.1%	.975	.969
Commercial/Industrial	.987	.999	95.3%	.966	.944
Overall	.983	.986	95.0%	.975	.968

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	95% Confidence Interval for ...	Price Related Differential	Coefficient of Dispersion
	Upper Bound		
Vacant Land	1.012	.970	.051
Residential	.981	1.014	.060
Commercial/Industrial	.988	1.021	.070
Overall	.981	1.014	.061

The confidence interval for the median is constructed without any distribution assumptions. The actual coverage level may be greater than the specified level. Other confidence intervals are constructed by assuming a Normal distribution for the ratios.