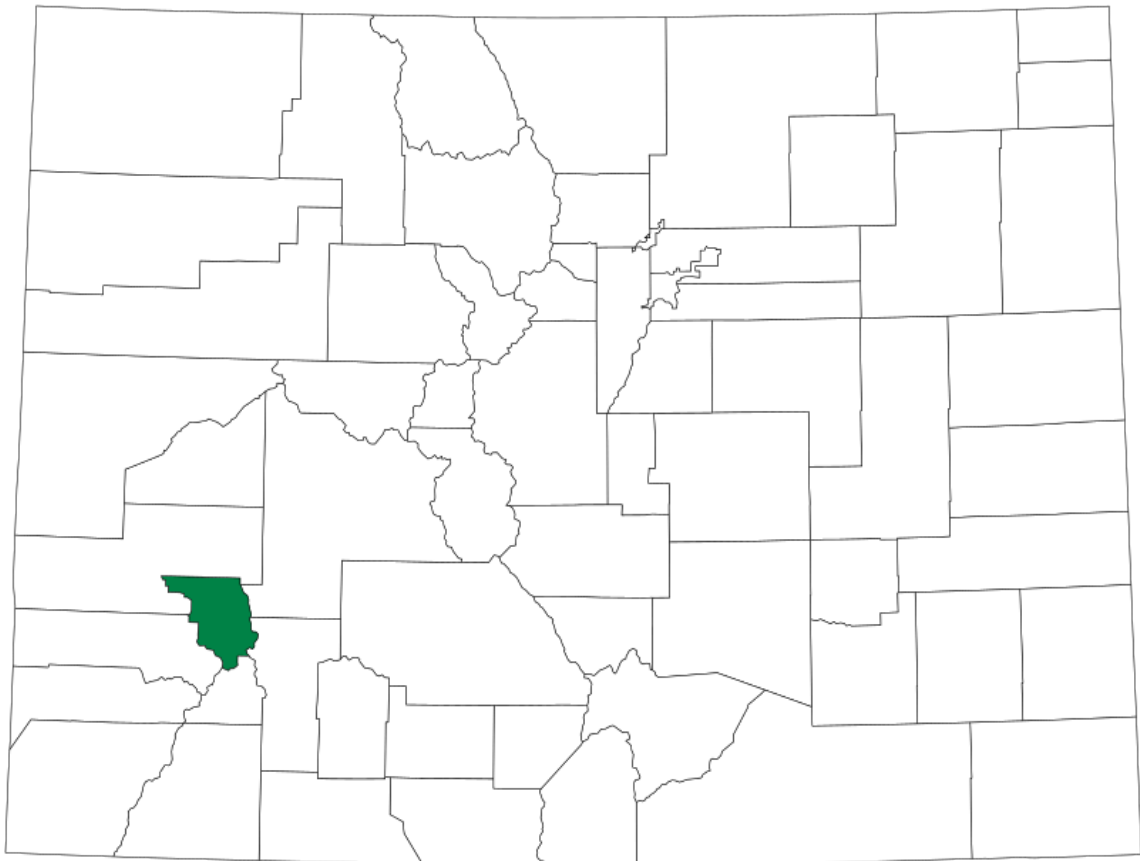


San Matteo

D A T A A N A L Y T I C S

2025 Property Assessment Study

Ouray 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 Ouray 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.



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1. Statistical Overview

Compliance and Evaluations

Ouray County was found to be in compliance.

	Result	Value
Residential		
Median Sales Ratio	Pass	0.97
Coefficient of Dispersion	Pass	12.67%
Time Adjustments	Pass	0.446
Price Related Differential	Sufficient	1.02
Price Related Bias	Sufficient	-0.02
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	Yes	

	Result	Value
Commercial/Industrial		
Median Sales Ratio	Pass	0.98
Coefficient of Dispersion	Pass	13.10%
Time Adjustments	Pass	0.117
Price Related Differential	Sufficient	1.06
Price Related Bias	Sufficient	-0.02
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	Yes	

Property Types

Below is a breakdown of the property types of the 6,632 parcels in Ouray County.



2. Vacant Land

Overview

The vacant land portion of the analysis was not included in this report because the county did not meet the minimum requirement of 1,200 vacant land parcels. The 2025 Colorado Property Assessment Study specifies that any county with fewer than 1,200 vacant land parcels is exempt from statistical review. Accordingly, vacant land was excluded from analysis for Ouray County. This exclusion is consistent with the scope of work established in the Request for Proposals and ensures that only those counties meeting the threshold requirement are subject to detailed ratio studies and compliance testing.

3. Residential

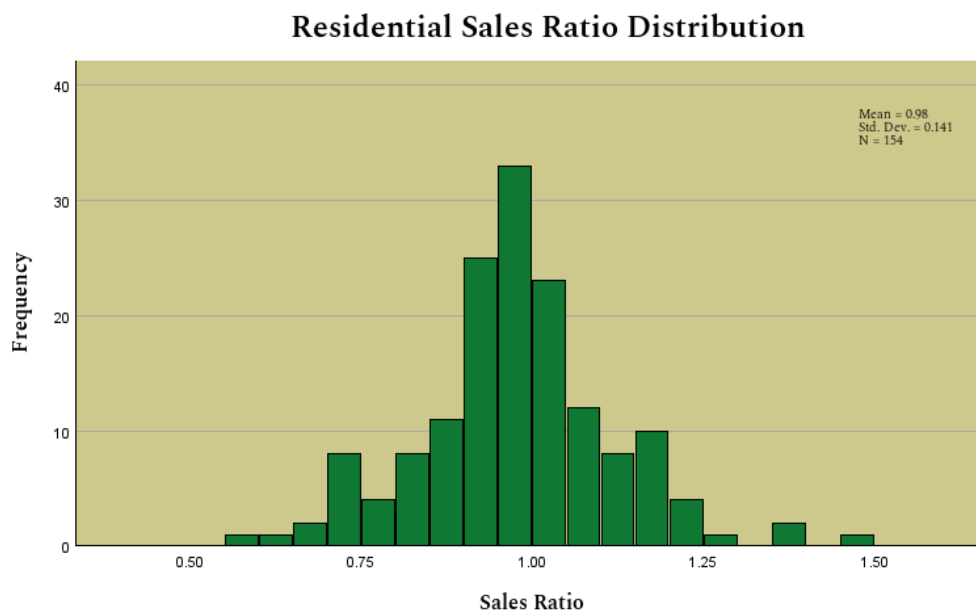
Overview

Ouray County was found to be compliant for Residential properties.

	Result	Value
Residential		
Median Sales Ratio	Pass	0.97
Coefficient of Dispersion	Pass	12.67%
Time Adjustments	Pass	0.446
Price Related Differential	Sufficient	1.02
Price Related Bias	Sufficient	-0.02
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 Ouray County was calculated to be 0.97, 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 Ouray County was calculated at 12.67% 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 Ouray 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 Ouray 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.



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 Ouray 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.

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 156 Residential sales. We have confirmed that more than 50% of all sales were qualified.

4. Commercial and Industrial

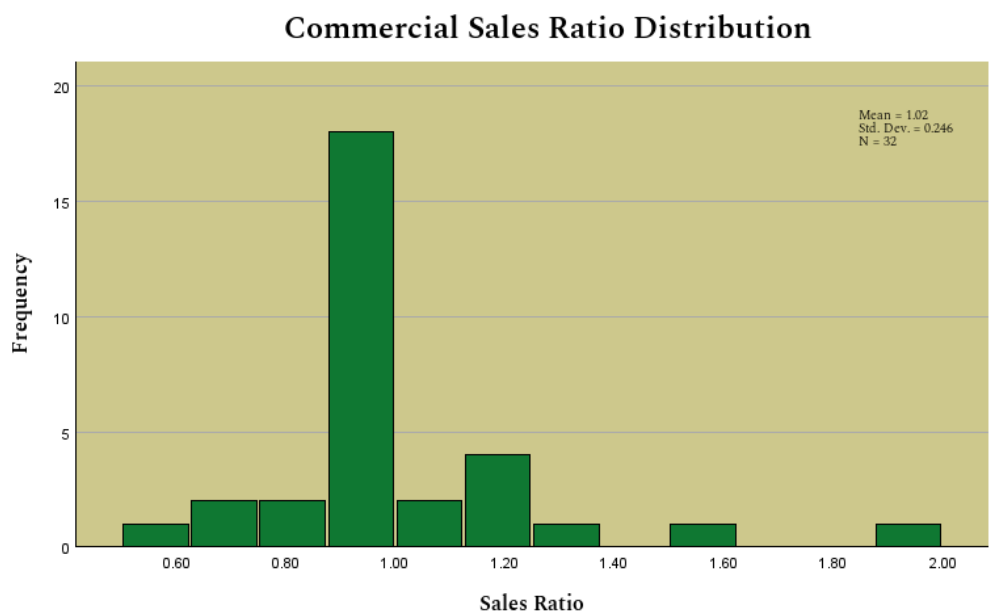
Overview

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

	Result	Value
Commercial and Industrial		
Median Sales Ratio	Pass	0.98
Coefficient of Dispersion	Pass	13.10%
Time Adjustments	Pass	0.117
Price Related Differential	Sufficient	1.06
Price Related Bias	Sufficient	-0.02
Sold/Unsold Similarity	Sufficient	
Qualified Sales > 50%	Yes	

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 Ouray 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 2 Commercial 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.

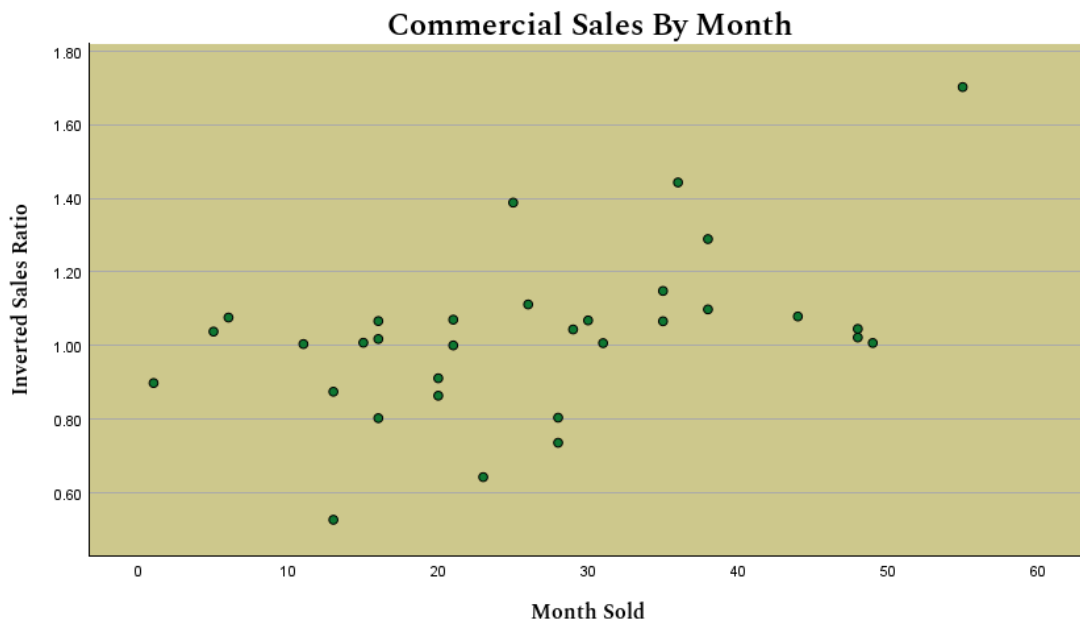


Commercial Coefficient of Dispersion

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 Ouray County was calculated at 13.10% 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 60 - month period of sales. There does not appear to be a significant effect of time on Ouray 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 Ouray County was calculated at 1.06, 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.



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 Ouray 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.

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 commercial sold and unsold properties are treated similarly. 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 33 commercial sales. We have confirmed that more 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).

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

- Aerial photos are available and used for land classification
- 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
- Forest land is classified properly and valued like surrounding parcels
- 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 Ouray 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.

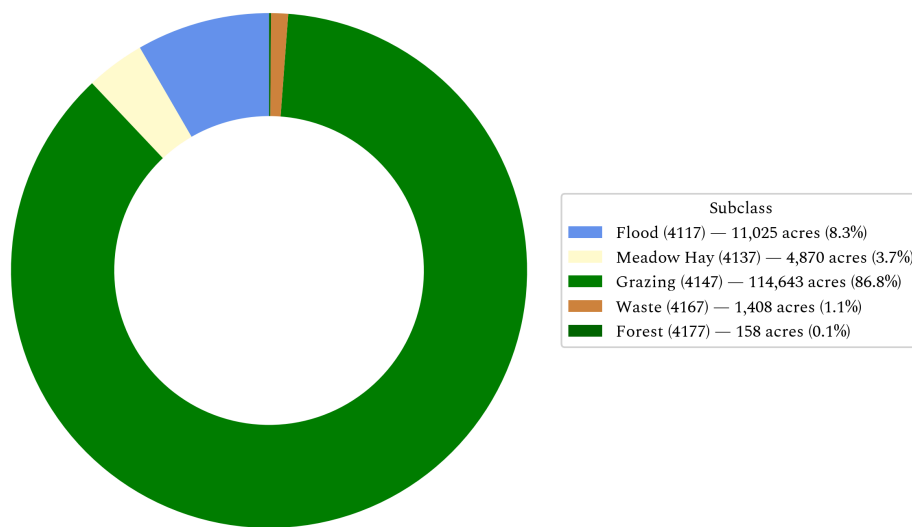
Recommendations

None

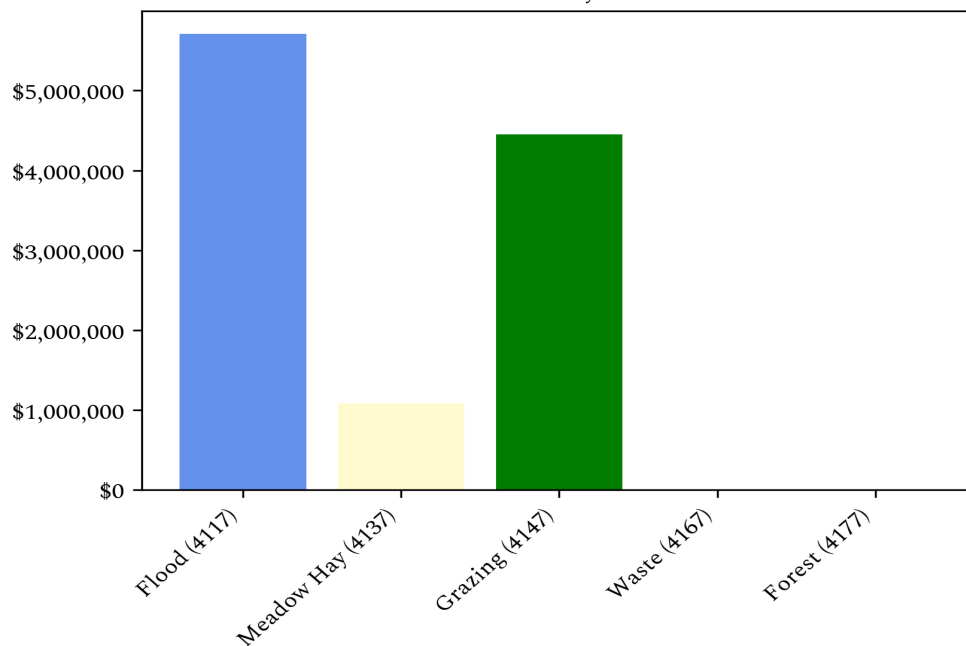
Agricultural Land Breakdown

Abstract	Class	Acres	Actual Value	Actual Value/Acre	Assessed Value
4117	Flood	11,025.43	\$5,708,732	\$517.78	\$1,541,360
4137	Meadow Hay	4,870.27	\$1,087,652	\$223.32	\$293,670
4147	Grazing	114,643.25	\$4,450,994	\$38.82	\$1,201,770
4167	Waste	1,408.50	\$9,324	\$6.62	\$2,520
4177	Forest	157.97	\$1,550	\$9.81	\$420.00

Acres by Subclass



Actual Value by Subclass



6. Agriculture Non-Integral

Methodology

SMDA reviewed Ouray 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 Ouray 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, Ouray County applied the following discovery methods:

- Field Inspections
- In Person Interviews
- Written Correspondence
- Personal Knowledge of Occupants

For Residential Improvements Not Integral to Agriculture

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

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

Conclusions

Ouray 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

Ouray 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

9. Personal Property

Methodology

SMDA reviewed Ouray 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.

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

- MLS listing or sold books
- Chamber of Commerce/Economic Development contacts
- Local publications
- Personal observation

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.

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

- Accounts protested with substantial disagreement
- Non-filing taxpayers
- Accounts with omitted property
- Incomplete or inconsistent declarations
- New businesses filing for the first time
- Accounts with obvious discrepancies

Conclusions

Ouray 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 Ouray 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 Ouray County's assessment procedures for compliance with these guidelines for **agricultural** 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

Ouray 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	\$12,720

11. Sales Verification

Methodology

As part of the Property Assessment Study, SMDA conducted an evaluation of Ouray 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 Ouray County's sales verification practices for the 2025 valuation period by reviewing a selection of sales from Ouray County's master sales list. A total of 39 unqualified sales were analyzed. Of these, 38 sales provided clear and supportable reasons for disqualification, while one sale lacked sufficient justification.

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.

Because Ouray County maintained a sufficient percentage of qualified sales, an in-depth subclass analysis was not required.

Ouray County

Conclusions

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

Recommendations

None

12. Subdivision Discounting

Methodology

SMDA reviewed Ouray 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

Ouray 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.

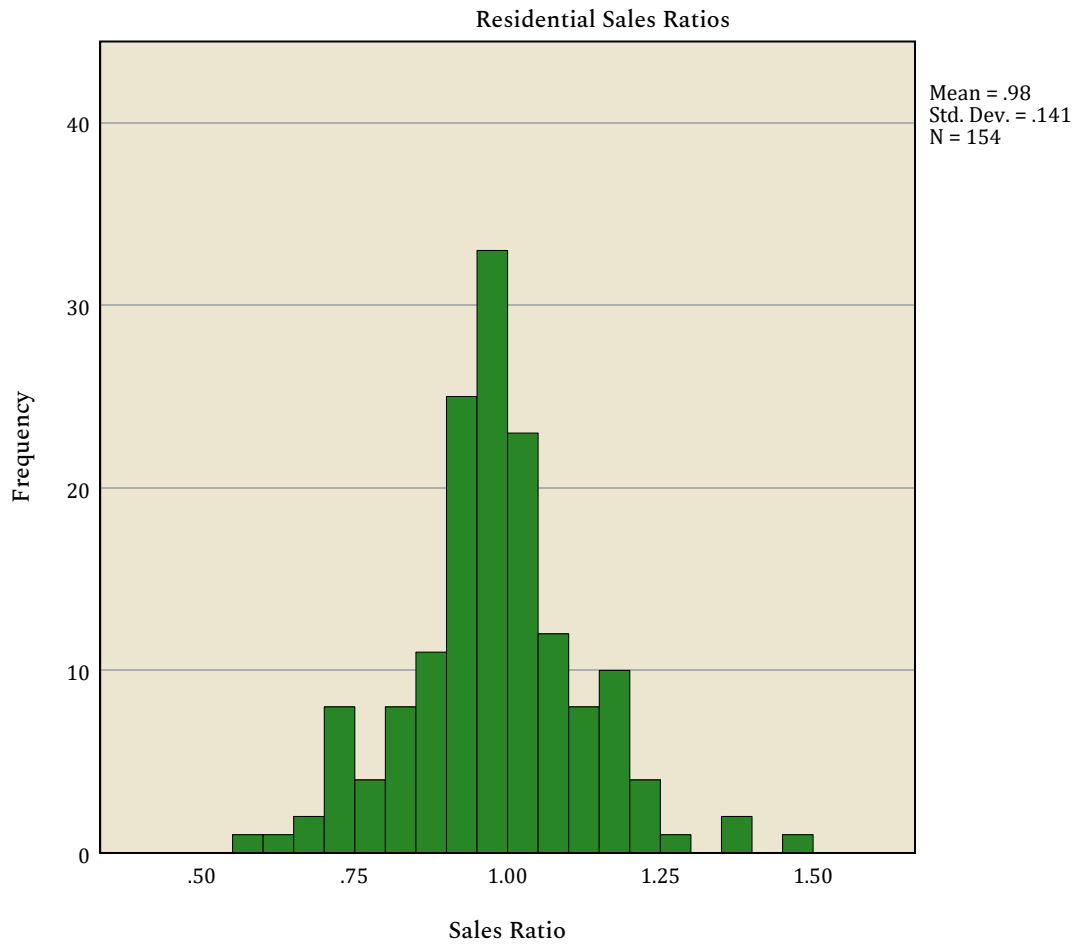
Recommendations

None

13. Appendix

OVERALL 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
156	.970	.127

Ratio Statistics

Ratio Statistics for Current Total
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.020	1.022

OVERALL Residential: Sales Price by Sales Ratio

Regression

		Coefficients ^a				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.087	.042		26.010	<.001
	Adjusted Sale Price	-9.251E-8	.000	-.185	-2.340	.021

a. Dependent Variable: Sales Ratio

Graph



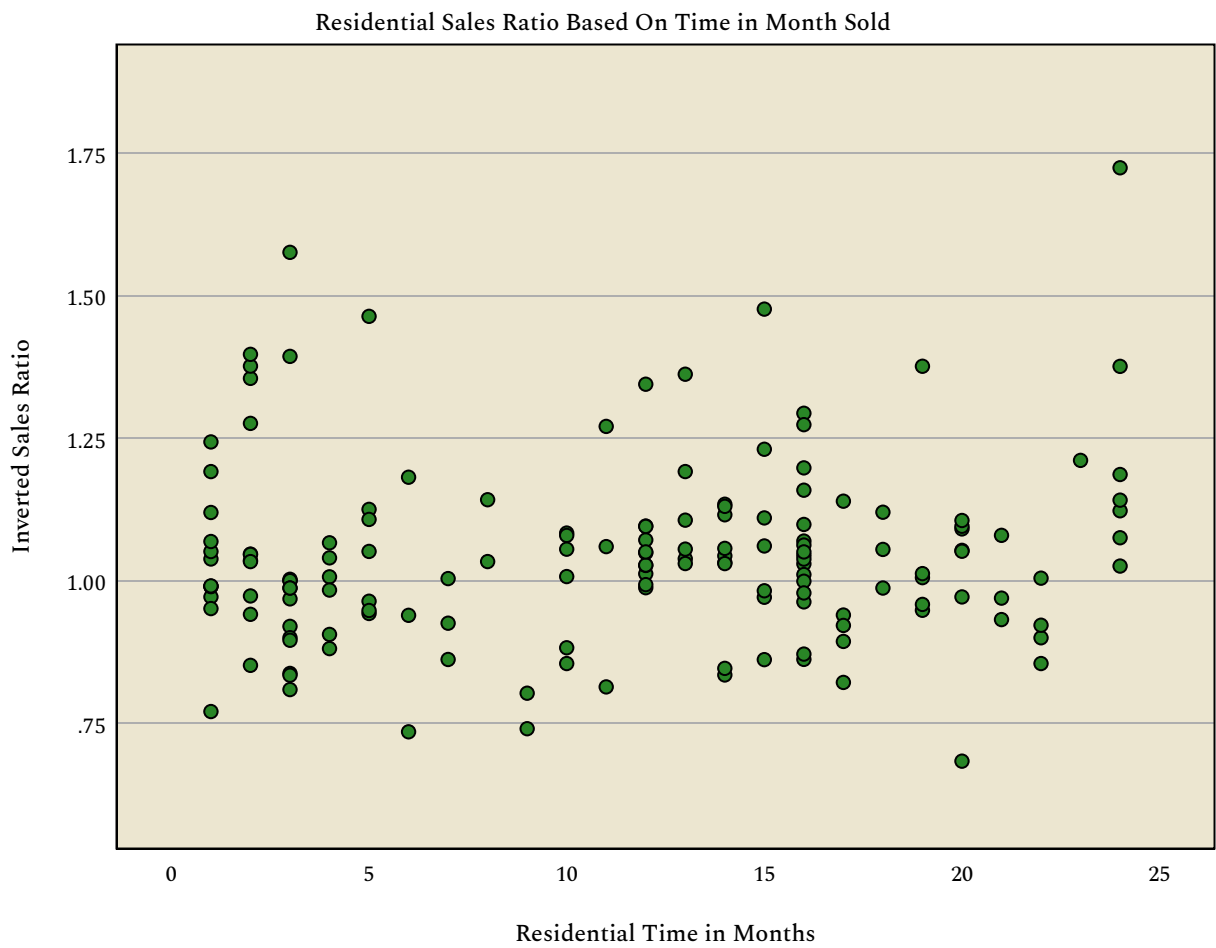
OVERALL Residential: Months by Inverted Sales Ratio

Regression

		Coefficients ^a				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.019	.027		38.442	<.001
	Residential Time in Months	.002	.002	.061	.764	.446

a. Dependent Variable: Inverted Sales Ratio

Graph



OVERALL Residential: Descriptive Statistics

Frequencies

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	156	156	156
	Missing	0	0	0
Mean		\$360.01	\$404.93	1.18
Median		\$356.05	\$395.85	1.10
Percentiles	2.5	\$183.67	\$190.34	.78
	25	\$286.01	\$338.80	.98
	50	\$356.05	\$395.85	1.10
	75	\$419.13	\$463.53	1.28
	97.5	\$597.39	\$627.21	2.19

Frequencies

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	156	156	156
	Missing	0	0	0
Mean		\$838,910.32	\$923,748.59	\$84,838.27
Median		\$711,910.00	\$825,250.00	\$61,525.00
Percentiles	2.5	\$204,741.00	\$292,369.75	-\$252,454.00
	25	\$526,652.50	\$633,010.00	-\$17,300.00
	50	\$711,910.00	\$825,250.00	\$61,525.00
	75	\$1,019,855.00	\$1,071,557.50	\$170,687.50
	97.5	\$1,986,937.50	\$2,346,750.00	\$589,153.25

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

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Difference in Total Value is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	.513

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

Difference in Total Value across Residential Sold vs Unsold

Independent-Samples Mann-Whitney U Test Summary

Total N	2564
Mann-Whitney U	158476.500
Wilcoxon W	3109711.500
Test Statistic	158476.500
Standard Error	8372.086
Standardized Test Statistic	-.655
Asymptotic Sig.(2-sided test)	.513

Nonparametric Tests

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

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Price Per Foot is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	.940

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 Residential Sold vs Unsold

Independent-Samples Mann-Whitney U Test Summary

Total N	2566
Mann-Whitney U	172752.000
Wilcoxon W	3111852.000
Test Statistic	172752.000
Standard Error	8580.898
Standardized Test Statistic	.076
Asymptotic Sig.(2-sided test)	.940

Nonparametric Tests

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

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
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	.618

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

Difference in Price Per Foot across Residential Sold vs Unsold

Independent-Samples Mann-Whitney U Test Summary

Total N	2566
Mann-Whitney U	157644.500
Wilcoxon W	3118605.500
Test Statistic	157644.500
Standard Error	8319.920
Standardized Test Statistic	-.499
Asymptotic Sig.(2-sided test)	.618

OVERALL Residential: Unit Value Comparison

Summarize

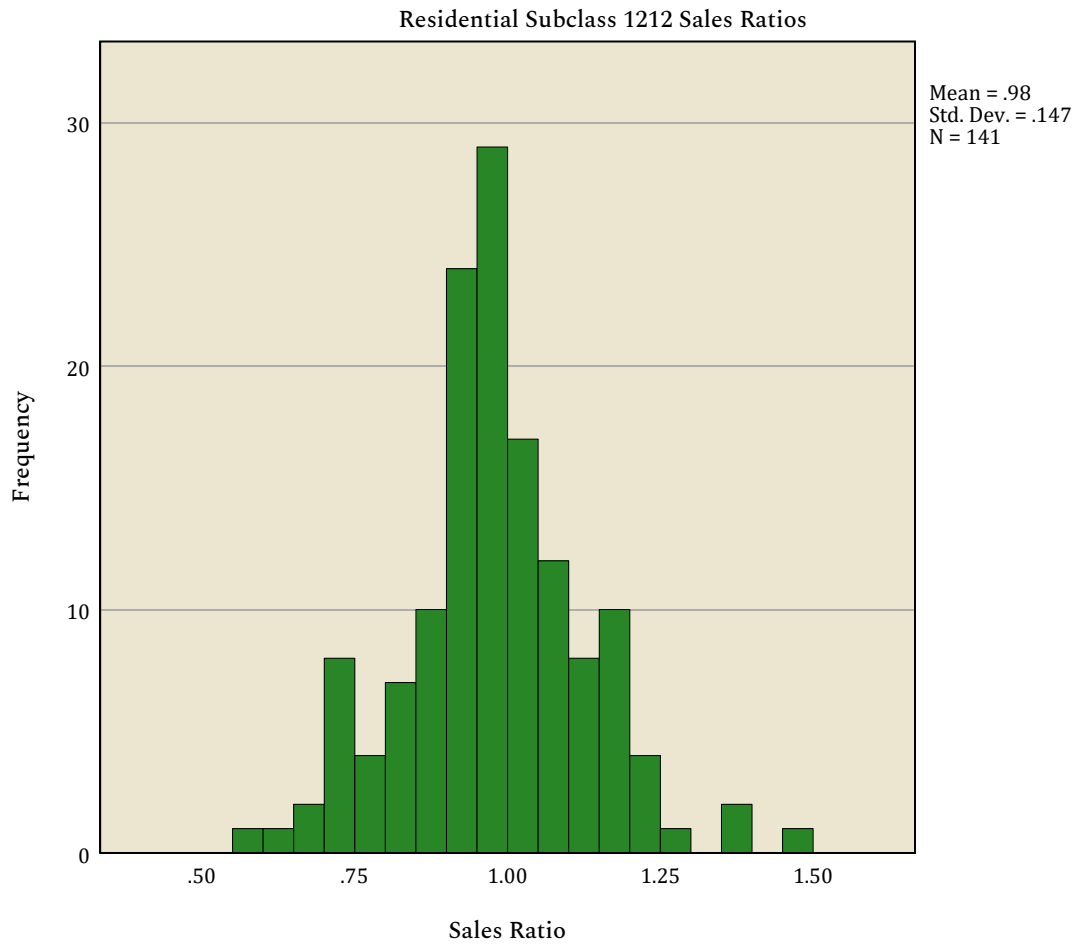
Sold vs Unsold

Difference in Price Per Foot

Residential Sold vs Unsold	N	Median	Mean
SOLD	144	1.10	1.14
UNSOLD	2558	1.09	1.14
Total	2702	1.09	1.14

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
143	.971	.134

Ratio Statistics

Ratio Statistics for Current Total
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.032	1.025

Residential Subclass 1212: Sales Price by Sales Ratio

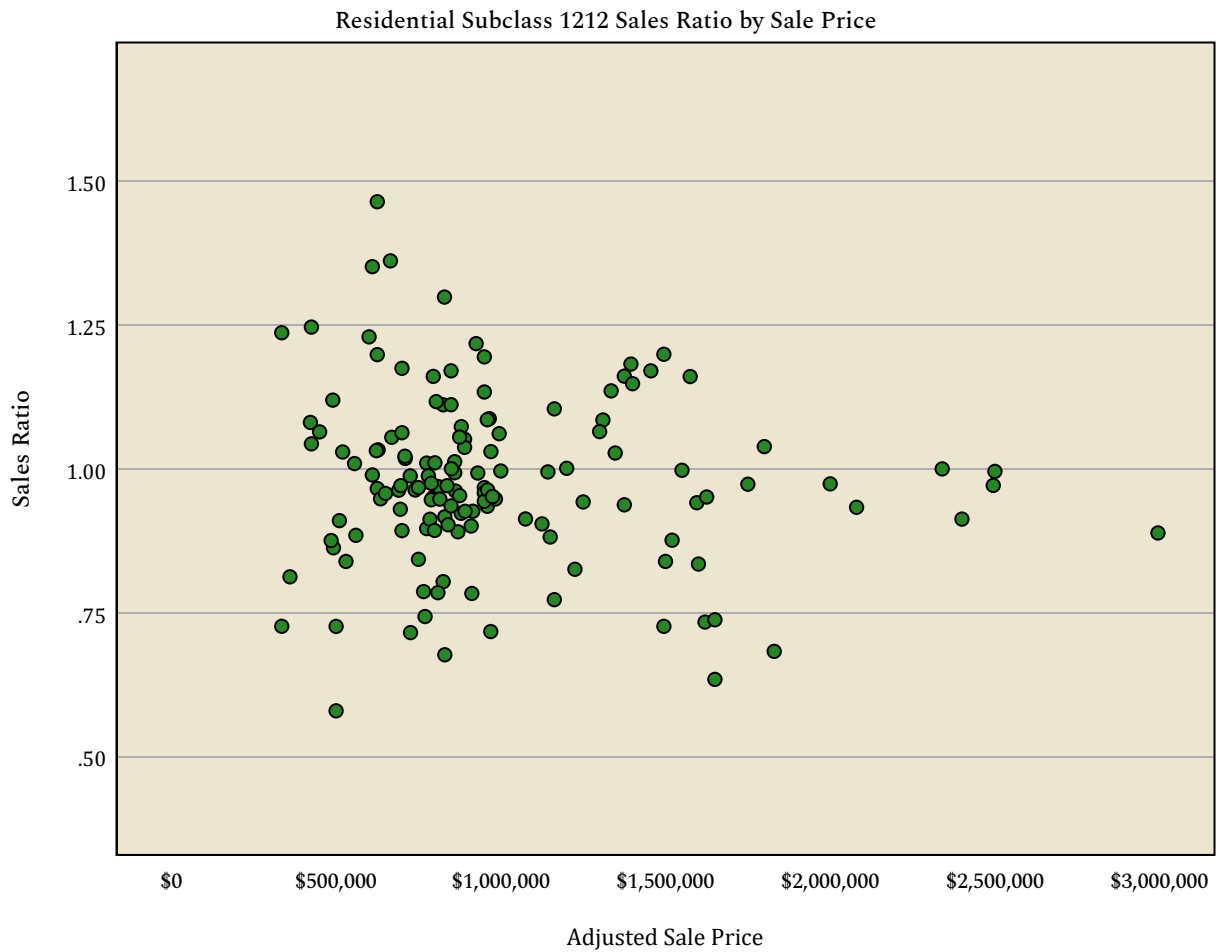
Regression

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.109	.047		23.592	<.001
	Adjusted Sale Price	-1.079E-7	.000	-.206	-2.505	.013

a. Dependent Variable: Sales Ratio

Graph



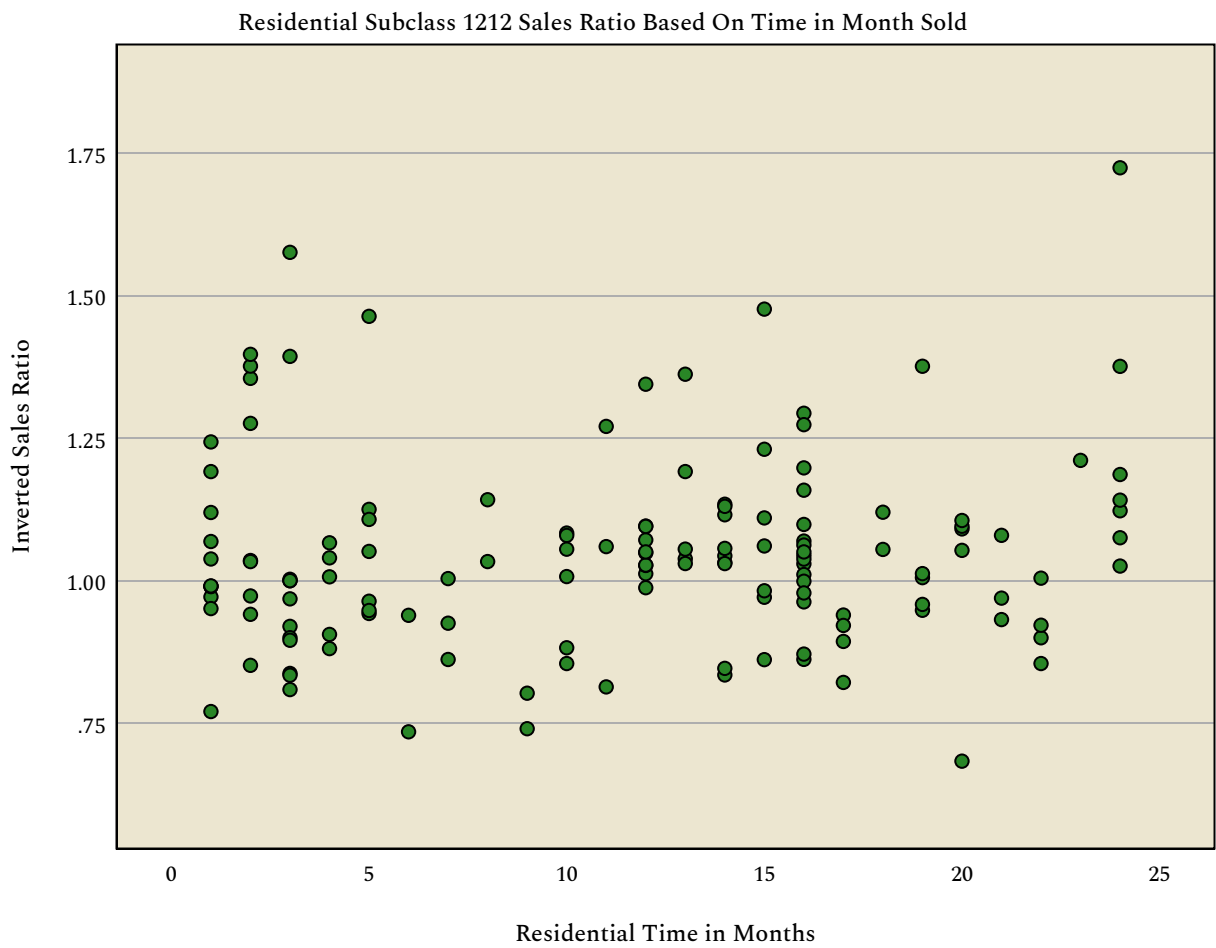
Residential Subclass 1212: Months by Inverted Sales Ratio

Regression

		Coefficients ^a				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.017	.029		34.813	<.001
	Residential Time in Months	.002	.002	.065	.771	.442

a. Dependent Variable: Inverted Sales Ratio

Graph



Residential Subclass 1212: Descriptive Statistics

Frequencies

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	143	143	143
	Missing	0	0	0
Mean		\$356.59	\$400.55	1.19
Median		\$353.70	\$389.20	1.10
Percentiles	2.5	\$166.97	\$188.40	.78
	25	\$274.02	\$331.73	.96
	50	\$353.70	\$389.20	1.10
	75	\$419.54	\$464.77	1.29
	97.5	\$597.45	\$605.12	2.26

Frequencies

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	143	143	143
	Missing	0	0	0
Mean		\$875,095.38	\$962,955.38	\$87,860.00
Median		\$755,020.00	\$854,460.00	\$68,190.00
Percentiles	2.5	\$222,820.00	\$334,972.00	-\$253,468.00
	25	\$554,260.00	\$694,790.00	-\$24,270.00
	50	\$755,020.00	\$854,460.00	\$68,190.00
	75	\$1,052,370.00	\$1,086,310.00	\$198,320.00
	97.5	\$1,988,530.00	\$2,373,920.00	\$621,494.00

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

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Difference in Total Value is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	.457

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

Difference in Total Value across Residential Sold vs Unsold

Independent-Samples Mann-Whitney U Test Summary

Total N	2361
Mann-Whitney U	131127.500
Wilcoxon W	2638807.500
Test Statistic	131127.500
Standard Error	7332.571
Standardized Test Statistic	-.743
Asymptotic Sig.(2-sided test)	.457

Nonparametric Tests

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

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Price Per Foot is the same across categories of Residential Sold vs Unsold.	Independent-Samples Mann-Whitney U Test	.770

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 Residential Sold vs Unsold

Independent-Samples Mann-Whitney U Test Summary

Total N	2363
Mann-Whitney U	146294.000
Wilcoxon W	2642789.000
Test Statistic	146294.000
Standard Error	7534.762
Standardized Test Statistic	.292
Asymptotic Sig.(2-sided test)	.770

Nonparametric Tests

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

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
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	.686

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

Difference in Price Per Foot across Residential Sold vs Unsold

Independent-Samples Mann-Whitney U Test Summary

Total N	2363
Mann-Whitney U	131635.000
Wilcoxon W	2648281.000
Test Statistic	131635.000
Standard Error	7281.794
Standardized Test Statistic	-.404
Asymptotic Sig.(2-sided test)	.686

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	131	1.10	1.14
UNSOLD	2358	1.09	1.14
Total	2489	1.09	1.14

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	25	1.07	1.29
	Total	25	1.07	1.29
1	SOLD	38	1.15	1.21
	UNSOLD	613	1.15	1.17
	Total	651	1.15	1.17
2	SOLD	42	1.03	1.08
	UNSOLD	914	1.07	1.11
	Total	956	1.07	1.11
3	SOLD	2	1.65	1.65
	UNSOLD	38	1.25	1.50
	Total	40	1.27	1.51
4	SOLD	4	1.00	1.07
	UNSOLD	100	1.21	1.41
	Total	104	1.20	1.40
5	SOLD	1	.98	.98
	UNSOLD	13	1.06	1.06
	Total	14	1.06	1.05
6	SOLD	32	1.00	1.03
	UNSOLD	550	1.03	1.04
	Total	582	1.03	1.04

Residential Subclass 1212: Unit Comparison Method

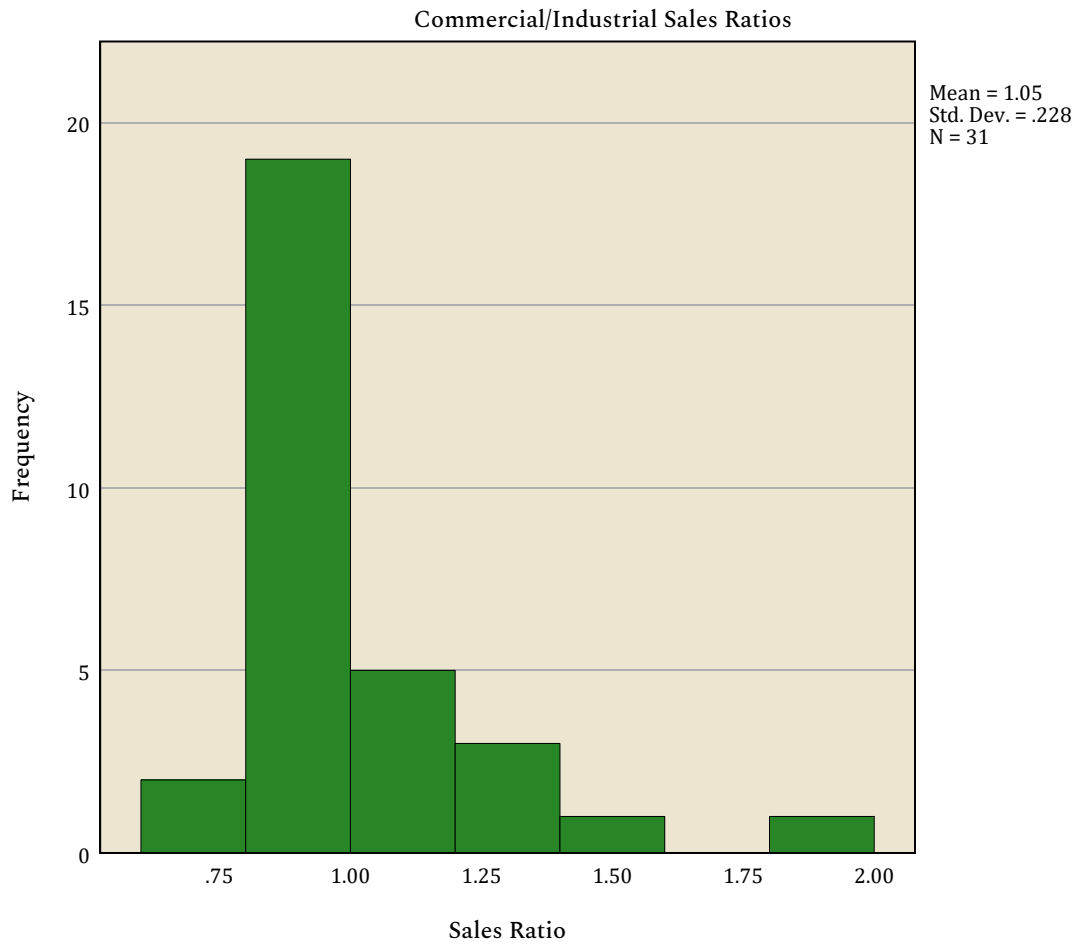
Sold vs Unsold Percent Change for Subclass 1212 by Economic Area

Difference in Price Per Foot

Economic Area	Residential Sold vs Unsold	N	Median	Mean
7	SOLD	12	1.40	1.41
	UNSOLD	105	1.40	1.39
	Total	117	1.40	1.39
Total	SOLD	131	1.10	1.14
	UNSOLD	2358	1.09	1.14
	Total	2489	1.09	1.14

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
33	.982	.131

Ratio Statistics

Ratio Statistics for Current Total
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.027	1.060

OVERALL Commercial/Industrial: Sales Price by Sales Ratio

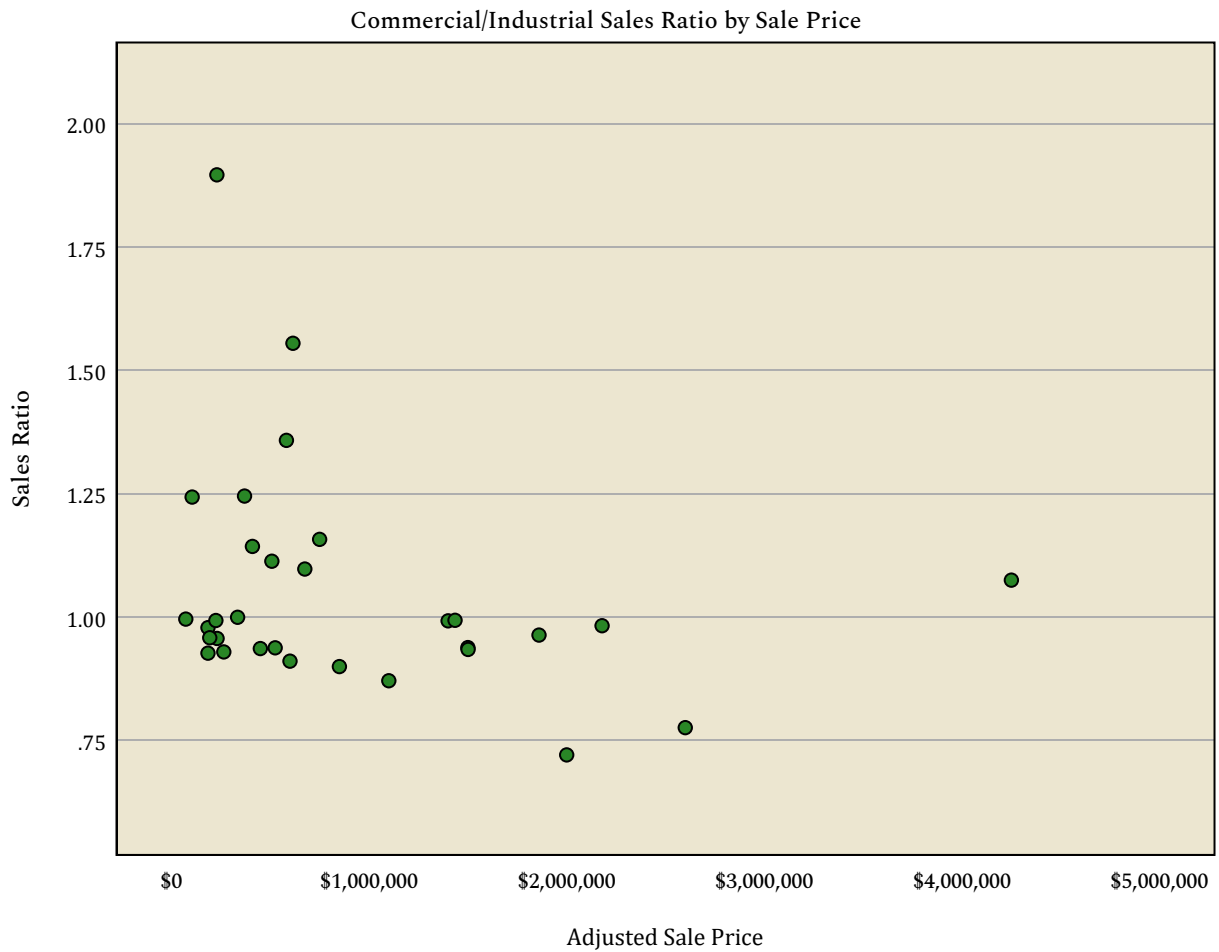
Regression

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.080	.049		22.136	<.001
	Adjusted Sale Price	-3.023E-8	.000	-.215	-1.226	.229

a. Dependent Variable: Sales Ratio

Graph



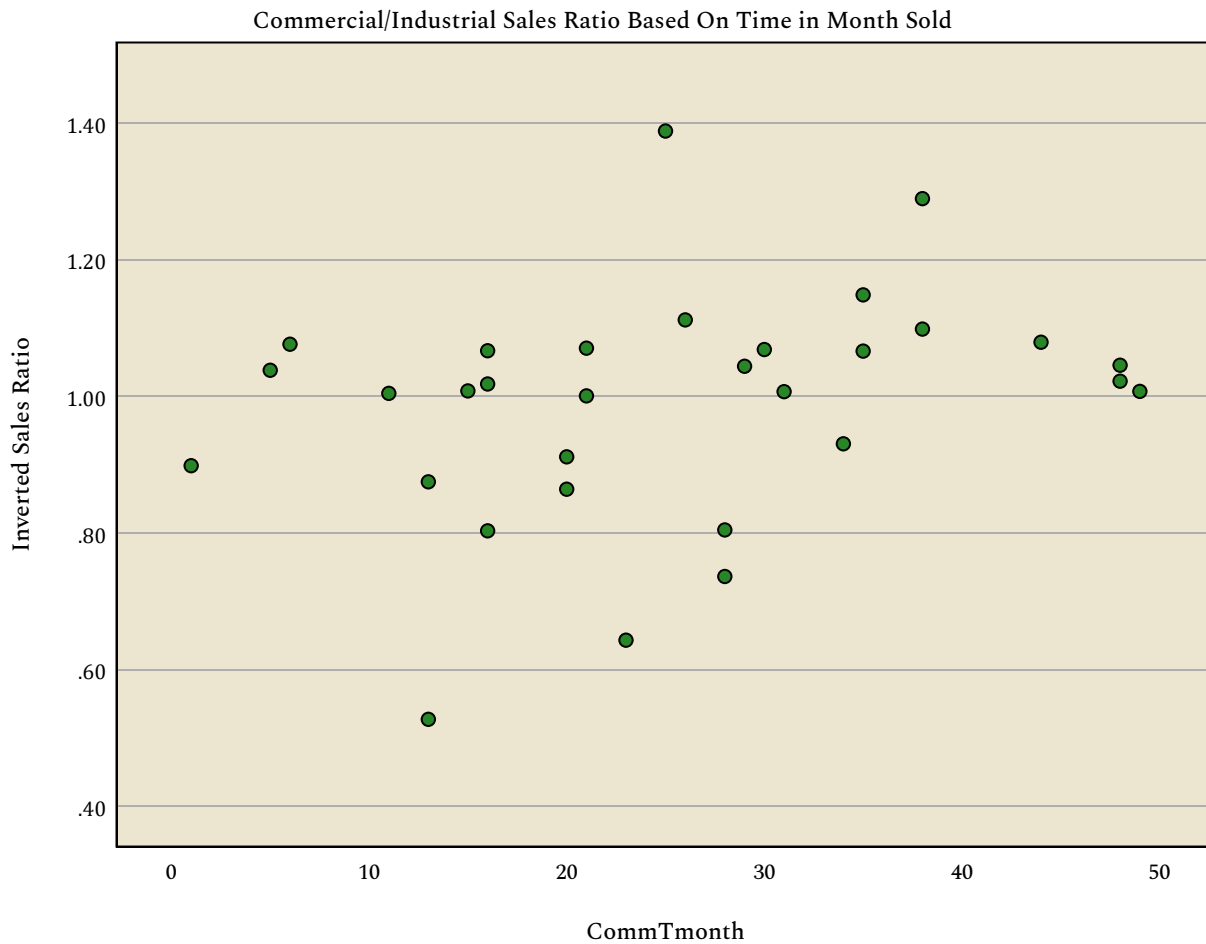
OVERALL Commercial/Industrial: Months by Inverted Sales Ratio

Regression

		Coefficients ^a				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	.901	.062		14.429	<.001
	CommTmonth	.004	.002	.278	1.611	.117

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	33	33	33
	Missing	0	0	0
Mean		\$316.54	\$387.56	1.24
Median		\$296.29	\$335.87	1.14
Percentiles	2.5	\$91.07	\$87.41	.75
	25	\$196.40	\$258.65	1.01
	50	\$296.29	\$335.87	1.14
	75	\$358.17	\$366.04	1.34
	97.5	.	.	.

Frequencies

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	33	33	33
	Missing	0	0	0
Mean		\$1,134,700.30	\$1,211,361.82	\$76,661.52
Median		\$707,540.00	\$740,630.00	\$78,570.00
Percentiles	2.5	\$43,610.00	\$72,490.00	-\$162,010.00
	25	\$208,770.00	\$290,525.00	-\$2,705.00
	50	\$707,540.00	\$740,630.00	\$78,570.00
	75	\$1,320,675.00	\$1,416,180.00	\$131,635.00
	97.5	.	.	.

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

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Difference in Total Value is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.243

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

Difference in Total Value across CommSOLDFLG

Independent-Samples Mann-Whitney U Test Summary

Total N	203
Mann-Whitney U	2380.000
Wilcoxon W	17086.000
Test Statistic	2380.000
Standard Error	304.998
Standardized Test Statistic	-1.167
Asymptotic Sig.(2-sided test)	.243

Nonparametric Tests

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

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.007

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	205
Mann-Whitney U	1870.000
Wilcoxon W	17095.000
Test Statistic	1870.000
Standard Error	304.297
Standardized Test Statistic	-2.718
Asymptotic Sig.(2-sided test)	.007

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Difference in Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.713

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

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

Difference in Price Per Foot across CommSOLDFLG

Independent-Samples Mann-Whitney U Test Summary

Total N	205
Mann-Whitney U	2723.000
Wilcoxon W	17601.000
Test Statistic	2723.000
Standard Error	312.150
Standardized Test Statistic	-.368
Asymptotic Sig.(2-sided test)	.713

OVERALL Commercial/Industrial: Unit Value Comparison

Summarize

Sold vs Unsold

Difference in Price Per Foot

CommSOLDFLG	N	Median	Mean
SOLD	33	1.14	1.24
UNSOLD	184	1.11	1.30
Total	217	1.11	1.29

Summarize

Sold vs Unsold

Difference in Price Per Foot

Improvement Abstract Codes	CommSOLDFLG	N	Median	Mean
2212	SOLD	6	1.27	1.33
	UNSOLD	39	1.12	1.25
	Total	45	1.14	1.26
2215	SOLD	6	1.05	1.05
	UNSOLD	26	1.10	1.12
	Total	32	1.08	1.11
2220	SOLD	5	1.08	1.04
	UNSOLD	10	.95	.95
	Total	15	.96	.98
2225	UNSOLD	3	1.23	1.15
	Total	3	1.23	1.15
2230	SOLD	8	1.02	1.14
	UNSOLD	34	1.07	1.09
	Total	42	1.07	1.10
2235	UNSOLD	9	1.35	1.39
	Total	9	1.35	1.39
2245	SOLD	8	1.45	1.55
	UNSOLD	49	1.58	1.79
	Total	57	1.58	1.75

OVERALL Commercial/Industrial: Unit Value Comparison

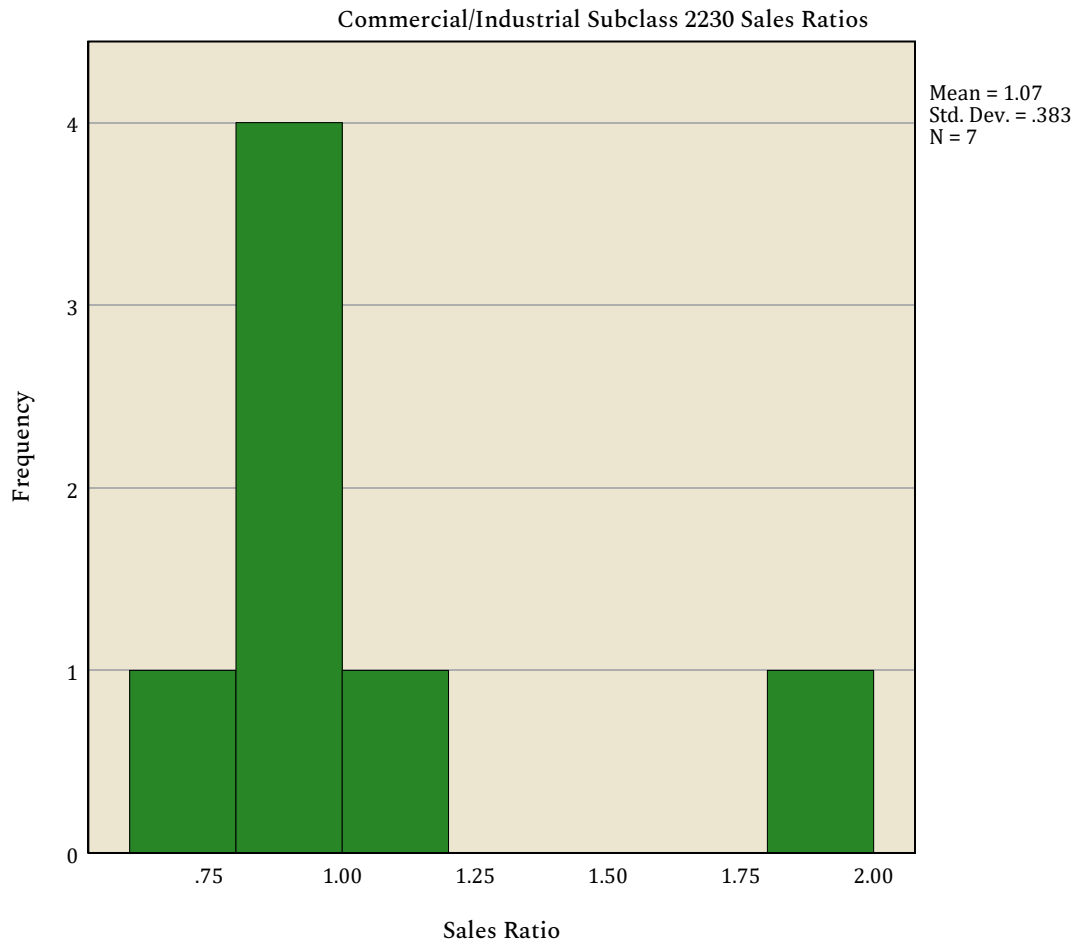
Sold vs Unsold

Difference in Price Per Foot

Improvement Abstract Codes	CommSOLDFLG	N	Median	Mean
2270	UNSOLD	2	.00	.00
	Total	2	.00	.00
3212	UNSOLD	1	.79	.79
	Total	1	.79	.79
3215	UNSOLD	8	.94	.91
	Total	8	.94	.91
3230	UNSOLD	3	1.04	1.09
	Total	3	1.04	1.09
Total	SOLD	33	1.14	1.24
	UNSOLD	184	1.11	1.30
	Total	217	1.11	1.29

Commercial/Industrial Subclass 2230: Sales Ratio Distribution

Graph



Commercial/Industrial Subclass 2230: Central Tendencies

Ratio Statistics

Ratio Statistics for Current Total Value /
Adjusted Sale Price

N	Median	Coefficient of Dispersion
8	.977	.190

Ratio Statistics

Ratio Statistics for Current Total
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.146	1.104

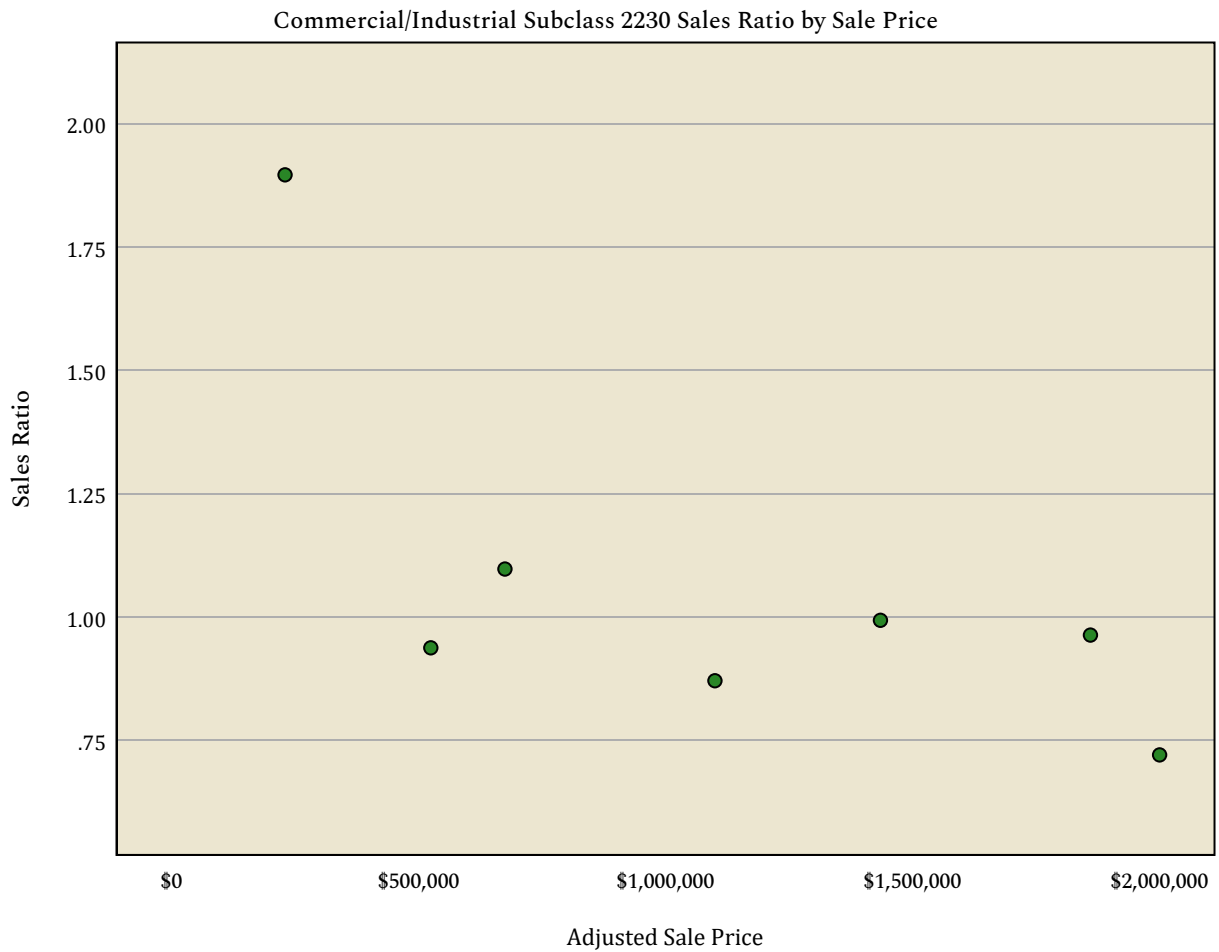
Commercial/Industrial Subclass 2230: Sales Price by Sales Ratio

Regression

		Coefficients ^a				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.143	.177		6.446	<.001
	Adjusted Sale Price	-4.545E-8	.000	-.275	-.699	.510

a. Dependent Variable: Sales Ratio

Graph



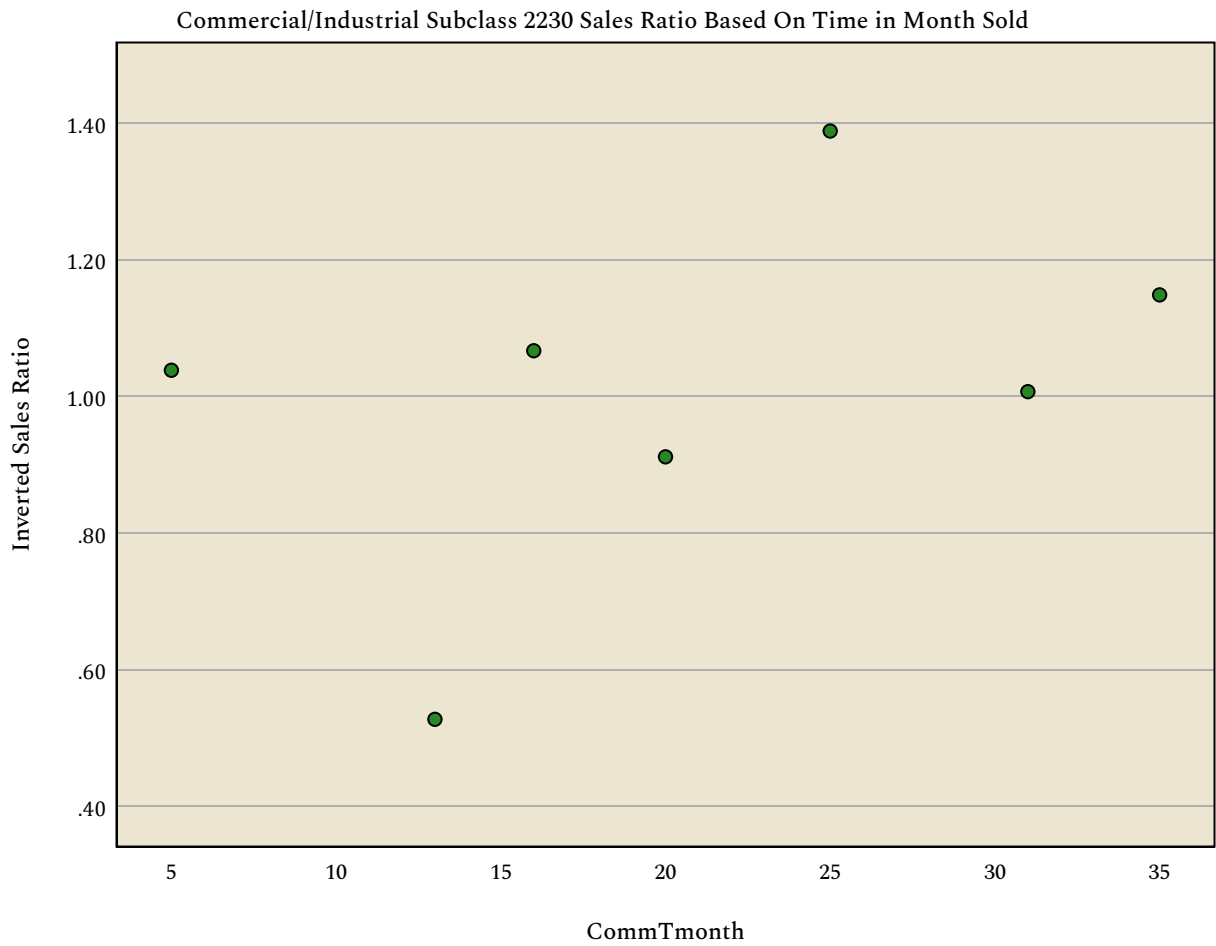
Commercial/Industrial Subclass 2230: Months by Inverted Sales Ratio

Regression

		Coefficients ^a				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	.814	.203		4.001	.007
	CommTmonth	.010	.009	.401	1.071	.325

a. Dependent Variable: Inverted Sales Ratio

Graph



Commercial/Industrial Subclass 2230: Descriptive Statistics

Frequencies

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	8	8	8
	Missing	0	0	0
Mean		\$469.94	\$594.21	1.14
Median		\$366.15	\$347.71	1.02
Percentiles	2.5	\$91.07	\$87.41	.75
	25	\$277.12	\$245.45	.91
	50	\$366.15	\$347.71	1.02
	75	\$777.48	\$974.48	1.28
	97.5	.	.	.

Frequencies

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	8	8	8
	Missing	0	0	0
Mean		\$1,723,060.00	\$1,769,091.25	\$46,031.25
Median		\$1,072,090.00	\$1,191,620.00	\$25,115.00
Percentiles	2.5	\$220,160.00	\$436,180.00	-\$162,010.00
	25	\$643,972.50	\$554,307.50	-\$102,022.50
	50	\$1,072,090.00	\$1,191,620.00	\$25,115.00
	75	\$1,743,227.50	\$1,704,060.00	\$187,032.50
	97.5	.	.	.

Commercial/Industrial Subclass 2230: Mann-Whitney U-Test (Rank-sum)

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Difference in Total Value is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.883 ^c

Hypothesis Test Summary

	Decision
1	Retain the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.
- c. Exact significance is displayed for this test.

Independent-Samples Mann-Whitney U Test

Difference in Total Value across CommSOLDFLG

Independent-Samples Mann-Whitney U Test Summary

Total N	38
Mann-Whitney U	104.000
Wilcoxon W	600.000
Test Statistic	104.000
Standard Error	26.557
Standardized Test Statistic	-.169
Asymptotic Sig.(2-sided test)	.865
Exact Sig.(2-sided test)	.883

Nonparametric Tests

Commercial/Industrial Subclass 2230: Mann-Whitney U-Test (Rank-sum)

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.449 ^c

Hypothesis Test Summary

	Decision
1	Retain the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.
- c. Exact significance is displayed for this test.

Independent-Samples Mann-Whitney U Test

Price Per Foot across CommSOLDFLG

Independent-Samples Mann-Whitney U Test Summary

Total N	38
Mann-Whitney U	64.000
Wilcoxon W	625.000
Test Statistic	64.000
Standard Error	23.157
Standardized Test Statistic	-.799
Asymptotic Sig.(2-sided test)	.424
Exact Sig.(2-sided test)	.449

Nonparametric Tests

Commercial/Industrial Subclass 2230: Mann-Whitney U-Test (Rank-sum)

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Difference in Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.469 ^c

Hypothesis Test Summary

	Decision
1	Retain the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.
- c. Exact significance is displayed for this test.

Independent-Samples Mann-Whitney U Test

Difference in Price Per Foot across CommSOLDFLG

Independent-Samples Mann-Whitney U Test Summary

Total N	38
Mann-Whitney U	115.000
Wilcoxon W	643.000
Test Statistic	115.000
Standard Error	24.980
Standardized Test Statistic	.761
Asymptotic Sig.(2-sided test)	.447
Exact Sig.(2-sided test)	.469

Commercial/Industrial Subclass 2230: Unit Comparison Method

Summarize

Sold vs Unsold Percent Change for Subclass 2230

Difference in Price Per Foot

CommSOLDFLG	N	Median	Mean
SOLD	8	1.02	1.14
UNSOLD	34	1.07	1.09
Total	42	1.07	1.10

Commercial/Industrial Subclass 2230: Economic Area Analysis

Ratio Statistics

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Median	Coefficient of Dispersion
1	7	1.024	.322
2	8	.965	.364
4	1	.991	.000
Overall	16	.992	.325

Ratio Statistics

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Price Related Bias	Price Related Differential
1	7	-.102	1.103
2	8	-.003	1.121
4	1	.	1.000
Overall	16	-.055	1.125

Summarize

Commercial/Industrial Subclass 2230: Economic Area Analysis

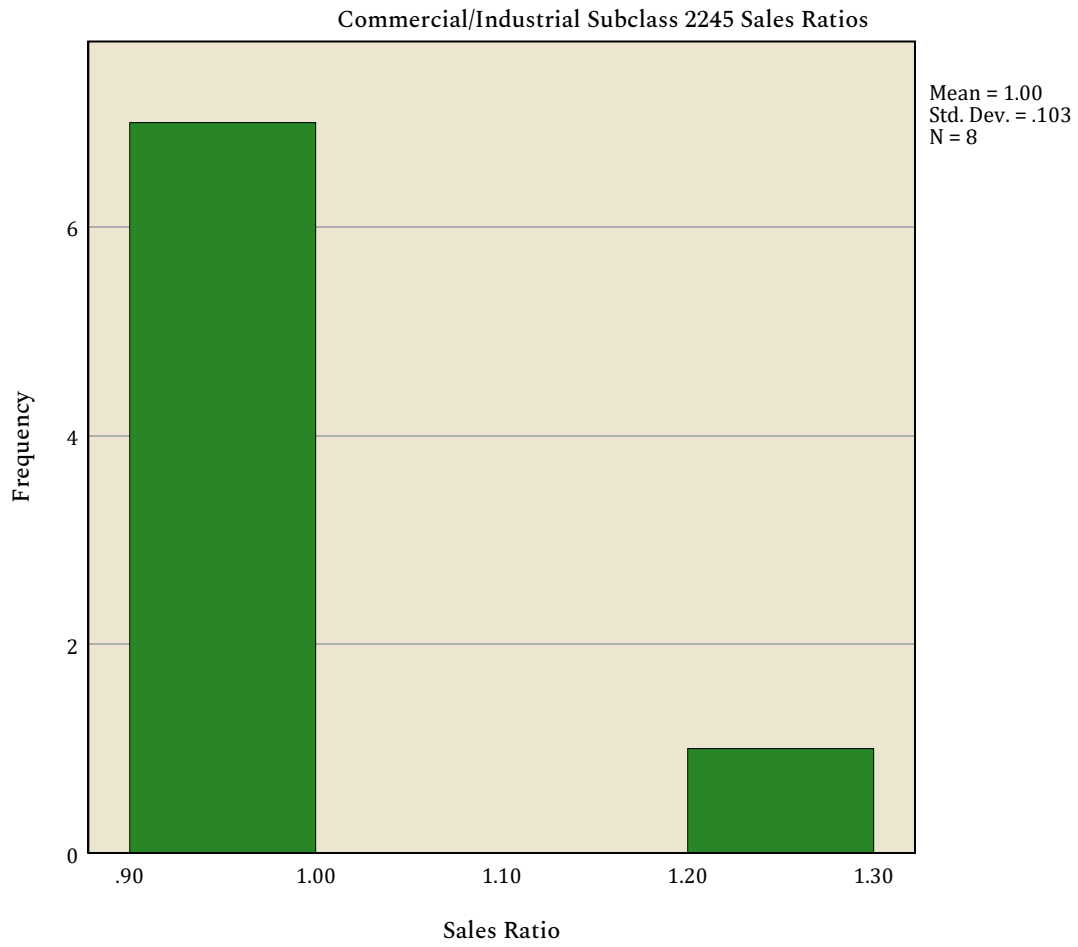
Sold vs Unsold Percent Change for Subclass 2230 by Economic Area

Difference in Price Per Foot

Economic Area	CommSOLDFLG	N	Median	Mean
1	SOLD	3	1.16	1.37
	UNSOLD	14	1.08	1.06
	Total	17	1.09	1.11
2	SOLD	4	.97	1.01
	UNSOLD	17	1.07	1.13
	Total	21	1.06	1.11
3	UNSOLD	1	.97	.97
	Total	1	.97	.97
4	SOLD	1	1.00	1.00
	UNSOLD	1	1.03	1.03
	Total	2	1.01	1.01
5	UNSOLD	1	1.12	1.12
	Total	1	1.12	1.12
Total	SOLD	8	1.02	1.14
	UNSOLD	34	1.07	1.09
	Total	42	1.07	1.10

Commercial/Industrial Subclass 2245: Sales Ratio Distribution

Graph



Commercial/Industrial Subclass 2245: Central Tendencies

Ratio Statistics

Ratio Statistics for Current Total Value /
Adjusted Sale Price

N	Median	Coefficient of Dispersion
8	.968	.057

Ratio Statistics

Ratio Statistics for Current Total
Value / Adjusted Sale Price

Price Related Bias	Price Related Differential
-.082	1.019

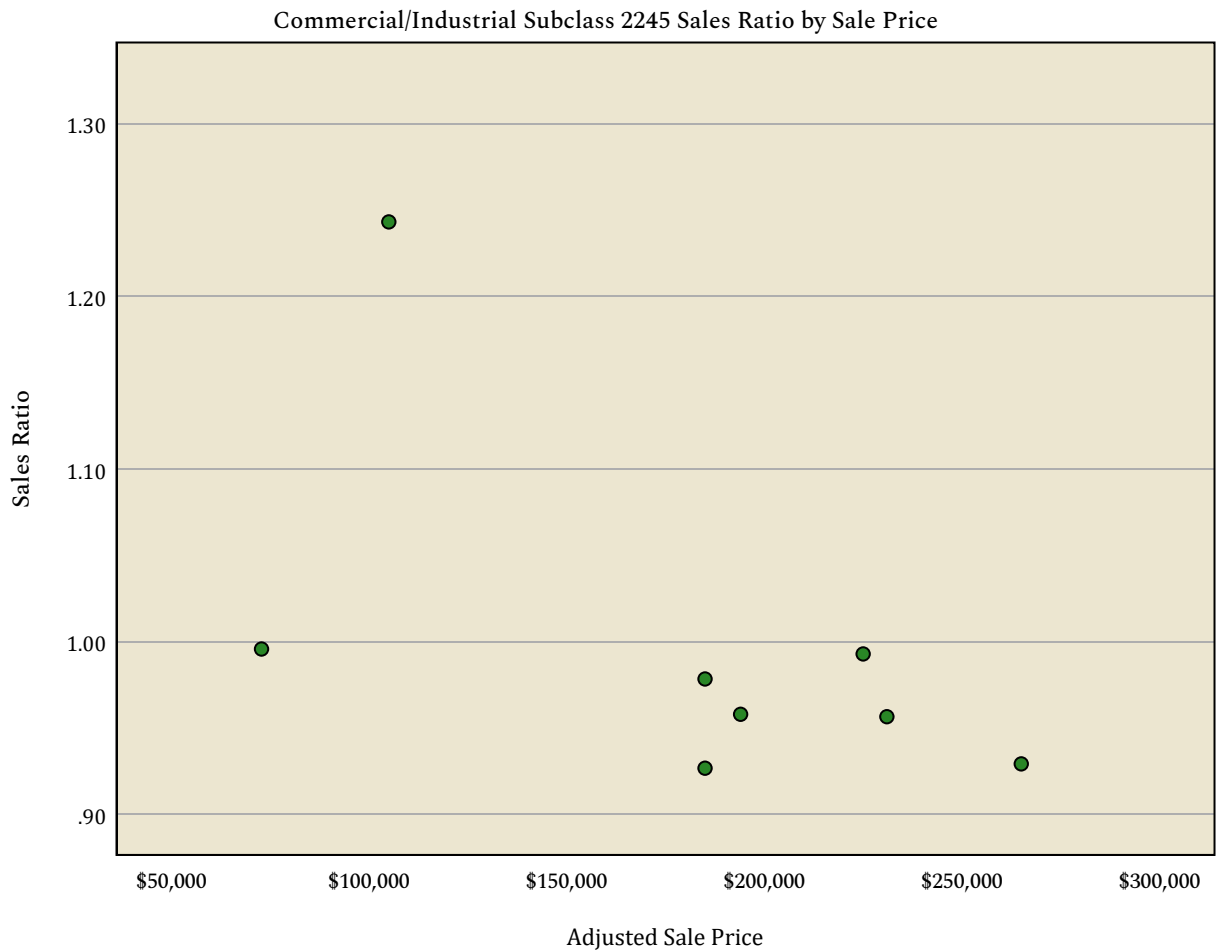
Commercial/Industrial Subclass 2245: Sales Price by Sales Ratio

Regression

		Coefficients ^a				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.169	.101		11.589	<.001
	Adjusted Sale Price	-9.380E-7	.000	-.590	-1.790	.124

a. Dependent Variable: Sales Ratio

Graph



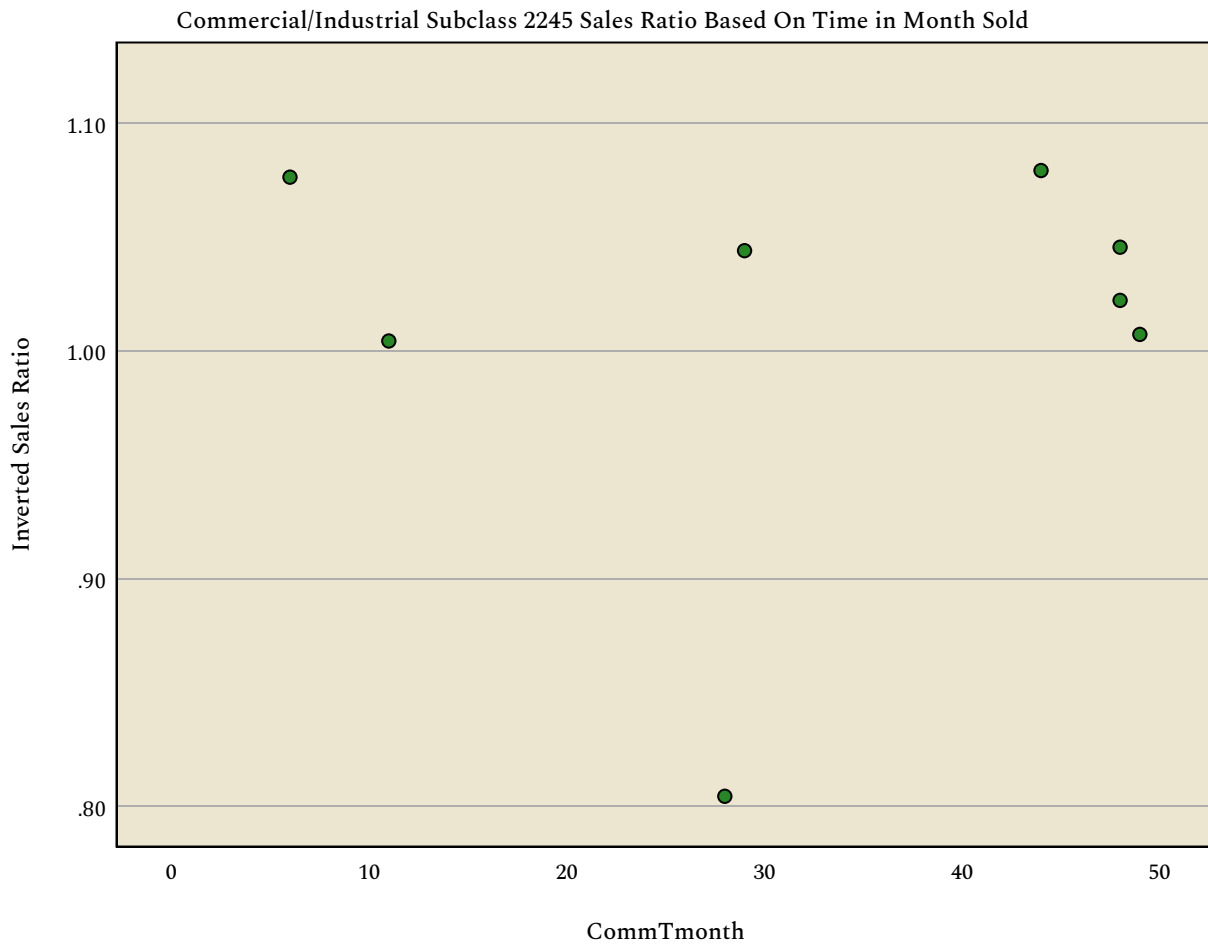
Commercial/Industrial Subclass 2245: Months by Inverted Sales Ratio

Regression

		Coefficients ^a				
		Unstandardized Coefficients		Standardized Coefficients		
Model		B	Std. Error	Beta	t	Sig.
1	(Constant)	1.000	.076		13.154	<.001
	CommTmonth	.000	.002	.062	.153	.884

a. Dependent Variable: Inverted Sales Ratio

Graph



Commercial/Industrial Subclass 2245: Descriptive Statistics

Frequencies

		Statistics		
		Previous Price Per Foot	Price Per Foot	Difference in Price Per Foot
N	Valid	8	8	8
	Missing	0	0	0
Mean		\$194.08	\$293.34	1.55
Median		\$184.45	\$294.03	1.45
Percentiles	2.5	\$142.52	\$209.03	1.14
	25	\$169.00	\$236.93	1.18
	50	\$184.45	\$294.03	1.45
	75	\$230.56	\$358.54	1.95
	97.5	.	.	.

Frequencies

		Statistics		
		Previous Total Value	Current Total Value	Difference in Total Value
N	Valid	8	8	8
	Missing	0	0	0
Mean		\$121,765.00	\$178,987.50	\$57,222.50
Median		\$114,265.00	\$183,420.00	\$38,870.00
Percentiles	2.5	\$43,610.00	\$72,490.00	\$22,680.00
	25	\$92,070.00	\$140,757.50	\$23,625.00
	50	\$114,265.00	\$183,420.00	\$38,870.00
	75	\$159,425.00	\$222,790.00	\$103,985.00
	97.5	.	.	.

Commercial/Industrial Subclass 2245: Mann-Whitney U-Test (Rank-sum)

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Difference in Total Value is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.517 ^c

Hypothesis Test Summary

	Decision
1	Retain the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.
- c. Exact significance is displayed for this test.

Independent-Samples Mann-Whitney U Test

Difference in Total Value across CommSOLDFLG

Independent-Samples Mann-Whitney U Test Summary

Total N	53
Mann-Whitney U	153.000
Wilcoxon W	1188.000
Test Statistic	153.000
Standard Error	40.248
Standardized Test Statistic	-.671
Asymptotic Sig.(2-sided test)	.502
Exact Sig.(2-sided test)	.517

Nonparametric Tests

Commercial/Industrial Subclass 2245: Mann-Whitney U-Test (Rank-sum)

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.007 ^c

Hypothesis Test Summary

	Decision
1	Reject the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.
- c. Exact significance is displayed for this test.

Independent-Samples Mann-Whitney U Test

Price Per Foot across CommSOLDFLG

Independent-Samples Mann-Whitney U Test Summary

Total N	53
Mann-Whitney U	74.000
Wilcoxon W	1109.000
Test Statistic	74.000
Standard Error	40.248
Standardized Test Statistic	-2.634
Asymptotic Sig.(2-sided test)	.008
Exact Sig.(2-sided test)	.007

Nonparametric Tests

Commercial/Industrial Subclass 2245: Mann-Whitney U-Test (Rank-sum)

Hypothesis Test Summary

	Null Hypothesis	Test	Sig. ^{a,b}
1	The distribution of Difference in Price Per Foot is the same across categories of CommSOLDFLG.	Independent-Samples Mann-Whitney U Test	.990 ^c

Hypothesis Test Summary

	Decision
1	Retain the null hypothesis.

- a. The significance level is .050.
- b. Asymptotic significance is displayed.
- c. Exact significance is displayed for this test.

Independent-Samples Mann-Whitney U Test

Difference in Price Per Foot across CommSOLDFLG

Independent-Samples Mann-Whitney U Test Summary

Total N	53
Mann-Whitney U	179.000
Wilcoxon W	1214.000
Test Statistic	179.000
Standard Error	40.248
Standardized Test Statistic	-.025
Asymptotic Sig.(2-sided test)	.980
Exact Sig.(2-sided test)	.990

Commercial/Industrial Subclass 2245: Unit Comparison Method

Summarize

Sold vs Unsold Percent Change for Subclass 2245

Difference in Price Per Foot

CommSOLDFLG	N	Median	Mean
SOLD	8	1.45	1.55
UNSOLD	49	1.58	1.79
Total	57	1.58	1.75

Commercial/Industrial Subclass 2245: Economic Area Analysis

Ratio Statistics

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Median	Coefficient of Dispersion
	22	.303	1.417
Overall	22	.303	1.417

Ratio Statistics

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	N	Price Related Bias	Price Related Differential
	22	-.704	8.330
Overall	22	-.704	8.330

Summarize

Sold vs Unsold Percent Change for Subclass 2245 by Economic Area

Difference in Price Per Foot

Economic Area	CommSOLDFLG	N	Median	Mean
	SOLD	8	1.45	1.55
	UNSOLD	49	1.58	1.79
	Total	57	1.58	1.75
Total	SOLD	8	1.45	1.55
	UNSOLD	49	1.58	1.79
	Total	57	1.58	1.75

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	113	1.005	.971	1.040	1.000
Residential	156	.999	.962	1.037	.970
Commercial/Industrial	33	1.043	.965	1.122	.982
Overall	302	1.006	.982	1.031	.992

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	.989	1.000	96.2%	.976	.944
Residential	.954	.996	95.5%	.977	.952
Commercial/Industrial	.938	.999	96.5%	.984	.932
Overall	.970	1.000	95.6%	.978	.959

Ratio Statistics for Current Total Value / Adjusted Sale Price

Group	95% Confidence Interval for ...	Price Related Differential	Coefficient of Dispersion
	Upper Bound		
Vacant Land	1.008	1.030	.127
Residential	1.003	1.022	.127
Commercial/Industrial	1.036	1.060	.131
Overall	.998	1.028	.127

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.