```
* Encoding: UTF-8.
* Variable establishment is from analysis of Inventory and Descriptive Syntax results.
*Setup Variable Labels and Values.
variable labels parcel_id 'Parcel Number'.
variable labels zone 'Zoning'.
variable labels nbhd 'Neighborhood'.
variable labels parcel_size 'Parcel Size'.
variable labels num_stories 'Residential Stories'.
variable labels quality 'Quality Code'.
variable labels Quality_Grade 'Quality Grade'.
variable labels condition 'Condition Code'.
variable labels Condition_Grade 'Condition Grade'.
variable labels Age 'Age of Residence'.
variable labels Eff_Age 'Effective Age of Residence'.
variable labels living_area 'Total Living Area'.
variable labels MainFloor 'Main Floor Area'.
variable labels UpperFloor 'Upper Floor Area'.
variable labels FinBSMT 'Finished Basement Area'.
variable labels UnFinBSMT 'Unfinished Basement Area'.
variable labels blt_gar 'Built In Garage Area'.
variable labels att_gar 'Attached Garage Area'.
variable labels PlumbingFixtures 'Plumbing Fixtures'.
variable labels stove 'Wood Stoves'.
variable labels fireplace 'Masonry Fireplaces'.
variable labels Prefab_FP 'Prefabricated Fireplaces'.
variable labels roofing 'Roofing Material'.
variable labels ext_wall_typ 'Exterior Wall Type'.
variable labels masonry_trim 'Trim Material'.
variable labels ac 'Air Conditioning'.
variable labels num_bedrooms 'Number of Bedrooms'.
variable labels full_bath 'Full Baths'.
variable labels half_bath 'Half Baths'.
variable labels detatched_value 'Detached Value'.
variable labels land_view 'Land View'.
variable labels flood_plain 'Flood Plain'.
variable labels lot_shape 'Lot Shape'.
variable labels topography 'Topography'.
variable labels gas 'Natural Gas Hookup'.
variable labels street_finsh 'Street Finish'.
variable labels traffic 'Traffic Density'.
variable labels curbs 'Curbing'.
variable labels side_walk 'Sidewalk'.
variable labels assessed_land 'Previous Land Value'.
variable labels assessed_imp 'Previous Imp. Value'.
variable labels assessed_total 'Previous Assessed Total'.
variable labels sale_date 'Sale Date'.
variable labels sale_price 'Sale Price'.

add value labels Quality_Grade 1 'Low-Cost' 2 'Fair -' 3 'Fair' 4 'Fair +' 5 'Average' 6 'Average +' 7 'Good' 8 'Good
Plus' 9 'Very Good' 10 'Very Good +' 11 'Excellent' 12 ' Excellent +' 13 'Exceptional'.
add value labels Condition_Grade 1 'Very Poor' 2 'Poor' 3 'Fair' 4 'Average' 5 'Good' 6 'Very Good' 7 'Excellent'.
add value labels zone 'R1' 'Single-Family Residential' 'R2' 'Single-Family and 2 Family Residential' 'R3' 'Multifamily
Residential'.
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add value labels roofing 'AC' 'Arch. Comp' 'CL' 'Clay Tile' 'CP' 'Comp' 'MT' 'Metal' 'OT' 'Mobile Metal' 'RR' 'Roll Roof'
'SH' 'Shake' 'SL' 'Slate' 'TG' 'Tar-Gravel' 'WS' 'Wood Shingle'.
add value labels ext_wall_typ 'AL' 'ALUMINUM' 'BV' 'BRICK-VENEER' 'CB' 'CONCRT-BLOCK' 'DR' 'DRYVIT' 'HB'
'HARDBOARD' 'LG' 'LOG' 'SH' 'SHINGLES' 'SN' 'STONE' 'SS' 'TEX1-11/PWD' 'ST' 'STUCCO' 'VN' 'VINYL' 'WD'
'WOOD-SIDING'.
add value labels masonry_trim 'B' 'Brick' 'N' 'None' 'S' 'Stone'.
add value labels ac 0 'No' 1 'Yes'.
add value labels land_view 'NV' 'No View'.
add value labels flood_plain 'N' 'None'.
add value labels lot_shape 'IR' 'Irregular' 'RC' 'Rectangular' 'SQ' 'Square' 'TF' 'Triangle Front' 'TR' Triangle Rear'.
add value labels topography 'L' 'Level'.
add value labels gas '0' 'No' '1' 'Yes'.
add value labels street_finsh 'P' 'Paved'.
add value labels traffic 'L' 'Light'.
add value labels curbs '1' 'Yes' '0' 'No'.
add value labels side_walk '1' 'Yes' '0' 'No'.

COMPUTE SPPSF=sale_price/living_area.
variable labels SPPSF 'Sale Price Per Square Foot'.
GRAPH/HISTOGRAM=sale_price.
GRAPH/HISTOGRAM=living_area.
GRAPH/HISTOGRAM=SPPSF.
GRAPH/HISTOGRAM=parcel_size.

GRAPH  /SCATTERPLOT(BIVAR)=living_area WITH sppsf  /MISSING=LISTWISE.
GRAPH  /SCATTERPLOT(BIVAR)=living_area WITH sale_price  /MISSING=LISTWISE.

COMPUTE total_area1 = living_area.
COMPUTE total_area2 = 0.
if (living_area >= 1000) total_area1 = 1000.
if (living_area >= 1000) total_area2 = living_area - 1000.

GRAPH  /SCATTERPLOT(BIVAR)=living_area WITH sppsf by condition_grade /MISSING=LISTWISE.
GRAPH  /SCATTERPLOT(BIVAR)=living_area WITH sale_price by condition_grade /MISSING=LISTWISE.

GRAPH  /SCATTERPLOT(BIVAR)=living_area WITH sppsf by quality_grade /MISSING=LISTWISE.
GRAPH  /SCATTERPLOT(BIVAR)=living_area WITH sale_price by quality_grade /MISSING=LISTWISE.

compute sqft_range = 0.
if (living_area >1000 and living_area <=1500) sqft_range = 1.
if (living_area >1500 and living_area <=2000) sqft_range = 2.
if (living_area >2000 and living_area <=2500) sqft_range = 3.
if (living_area >2500 and living_area <=3000) sqft_range = 4.
if (living_area >3000 and living_area <=3500) sqft_range = 5.
if (living_area >3500 and living_area <=4000) sqft_range = 6.
if (living_area >4000) sqft_range = 7.

variable labels sqft_range 'SQFT Range'.
add value labels sqft_range 0 '0 thru 1,000' 1 '1,000 thru 1,500' 2 '1,500 thru 2,000' 3 '2,000 thru 2,500' 4 '2,500 thru
 3,000' 5 '3,000 thru 3,500' 6 '3,500 thru 4,000' 7 '4,000 and up'.

compute age_range = 0.
if (age >10 and age <= 20) age_range = 1.
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if (age >20 and age <= 30) age_range = 2.
if (age >30 and age <= 40) age_range = 3.
if (age >40 and age <= 50) age_range = 4.
if (age >50 and age <= 60) age_range = 5.
if (age >60 and age <= 70) age_range = 6.
if (age >70 and age <= 80) age_range = 7.
if (age >80 and age <= 90) age_range = 8.
if (age >90 and age <= 100) age_range = 9.
if (age >100 and age <=110) age_range = 10.
if (age >110) age_range = 11.

variable labels age_range 'Age Range'.
add value labels age_range 0 'Less than 10' 1 '10 thru 19' 2 '20 thru 29' 3 '30 thru 39' 4 '40 thru 49'  5 '50 thru 59' 6
'60 thru 69' 7 '70 thru 79' 8 '80 thru 89' 9 '90 thru 99' 10 '100 thru 109' 11 '110 and up'.

compute ln_living_area = ln(living_area).

COMPUTE SAR=assessed_total/sale_price.
variable labels SAR 'Sales Assessment Ratio'.

EXAMINE sale_price by condo_group/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
MEANS TABLES=sale_price BY condo_group  /CELLS=MEAN MEDIAN COUNT STDDEV.
EXAMINE SPPSF by condo_group/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
MEANS TABLES=SPPSF BY condo_group  /CELLS=MEAN MEDIAN COUNT STDDEV.
Compute nbhd_group = 0.

if (condo_group = "YE1") nbhd_group = 1.
if (condo_group = "LINCOLN ESTATES") nbhd_group = 1.
if (condo_group = "EL SOMMERSET CONDO") nbhd_group = 1.
if (condo_group = "Glen Heather West Townhouses") nbhd_group = 2.
if (condo_group = "Glen Heather Townhouses") nbhd_group = 2.
if (condo_group = "Fontanelle Townhouses Condos") nbhd_group = 2.
if (condo_group = "Tieton Square Condos") nbhd_group = 3.
if (condo_group = "Richards Circle/Rd/5th St") nbhd_group = 3.
if (condo_group = "Central And North Yakima") nbhd_group = 3.
if (condo_group = "Burning Tree Estates") nbhd_group = 3.
if (condo_group = "ESTEE COURT") nbhd_group = 4.
if (condo_group = "COUNTRY CLUB") nbhd_group = 4.
if (condo_group = "CHESTNUT GROVE") nbhd_group = 4.
if (condo_group = "MCCARGER") nbhd_group = 4.
if (condo_group = "Lincoln Village Condo") nbhd_group = 4.
if (condo_group = "CASTLEVALE MANORS") nbhd_group = 4.
if (condo_group = "MODESTO HTS") nbhd_group = 4.
if (condo_group = "RICHLAND ADDITION") nbhd_group = 4.
if (condo_group = "Englewood Crest Condos") nbhd_group = 4.
if (condo_group = "Granwood Estates") nbhd_group = 4.
if (condo_group = "YSE") nbhd_group = 4.
if (condo_group = "SUMMERHILL") nbhd_group = 5.
if (condo_group = "Cornell Palms") nbhd_group = 5.
if (condo_group = "SCENIC DR") nbhd_group = 5.
if (condo_group = "GLENWOOD COURT") nbhd_group = 5.
if (condo_group = "High View Drive") nbhd_group = 5.
if (condo_group = "Summitview Country") nbhd_group = 5.
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if (condo_group = "YSW") nbhd_group = 5.
if (condo_group = "SHAW CREEK VISTA CONDOS") nbhd_group = 6.
if (condo_group = "Garden Park") nbhd_group = 6.
if (condo_group = "Carriage Park Condo") nbhd_group = 6.
if (condo_group = "SIERRA ESTATES") nbhd_group = 6.
if (condo_group = "ENGLEWOOD SQUARE #1") nbhd_group = 6.
if (condo_group = "63RD/SUMMITVIEW") nbhd_group = 6.
if (condo_group = "TH") nbhd_group = 6.
if (condo_group = "RANDALL PARK") nbhd_group = 6.
if (condo_group = "MEADOWVIEW") nbhd_group = 6.
if (condo_group = "Webster Townhouse") nbhd_group = 6.
if (condo_group = "The Summit") nbhd_group = 6.
if (condo_group = "Casa Royal Condos") nbhd_group = 6.
if (condo_group = "View Crest manor") nbhd_group = 6.
if (condo_group = "Fairway Estates Condos") nbhd_group = 7.
if (condo_group = "GOODLANDER SQUARE") nbhd_group = 7.
if (condo_group = "RACKET LANE") nbhd_group = 7.
if (condo_group = "Quail Run Condos") nbhd_group = 7.
if (condo_group = "WV COUNTRY CLUB") nbhd_group = 7.
if (condo_group = "Selah") nbhd_group = 7.
if (condo_group = "MIDVALE COURT") nbhd_group = 8.
if (condo_group = "SUNRISE VILLAS") nbhd_group = 8.
if (condo_group = "The Cascadian Condos") nbhd_group = 8.
if (condo_group = "44TH/ARLINGTON") nbhd_group = 8.
if (condo_group = "The Heatherton Townhouses") nbhd_group = 8.
if (condo_group = "CLEAR WATER VILLAGE CONDOS") nbhd_group = 8.
if (condo_group = "Windcrest Villa Townhouses") nbhd_group = 8.
if (condo_group = "ZILLAH LAKES") nbhd_group = 8.
if (condo_group = "Meadowbrook Condos") nbhd_group = 9.
if (condo_group = "Keystone Condos") nbhd_group = 9.
if (condo_group = "POTTENGERS PLACE") nbhd_group = 9.
if (condo_group = "DRUSE- S 88TH") nbhd_group = 9.
if (condo_group = "Chalet Village Townhouses") nbhd_group = 9.
if (condo_group = "WIDE HOLLW ESTATES") nbhd_group = 9.
if (condo_group = "THE CROSSINGS") nbhd_group = 10.
if (condo_group = "Georgian Estates Condos") nbhd_group = 10.
if (condo_group = "COTTONWOOD GROVE") nbhd_group = 10.
if (condo_group = "APPLE TREE CONDOS") nbhd_group = 10.
if (condo_group = "West Crest") nbhd_group = 10.
if (condo_group = "Willow Lake Condos") nbhd_group = 10.
if (condo_group = "VILLA MESSINA") nbhd_group = 11.
if (condo_group = "105 PEACH TREE CONDOS") nbhd_group = 11.
if (condo_group = "SUMMIT CREST") nbhd_group = 11.
if (condo_group = "Summitview Square Condo") nbhd_group = 11.
if (condo_group = "THE LOFTS") nbhd_group = 11.
if (condo_group = "CATALYSS") nbhd_group = 12.
if (condo_group = "ROSE DOOR HOMES CONDOS") nbhd_group = 13.
if (condo_group = "WHITE PASS CONDOS") nbhd_group = 14.

* Ratio Statistics prior to time adjustment.
RATIO STATISTICS assessed_total WITH sale_price/PRINT=COD MEAN MEDIAN PRB PRD WGTMEAN N.

RATIO STATISTICS assessed_total WITH sale_price BY nbhd_group (ASCENDING)/PRINT=COD MEAN MEDIAN
```

```
PRB PRD WGTMEAN N.
RATIO STATISTICS assessed_total WITH sale_price BY quality_grade (ASCENDING)/PRINT=COD MEAN MEDIAN
 PRB PRD WGTMEAN N.
RATIO STATISTICS assessed_total WITH sale_price BY condition_grade (ASCENDING)/PRINT=COD MEAN
MEDIAN PRB PRD WGTMEAN N.
RATIO STATISTICS assessed_total WITH sale_price BY sqft_range (ASCENDING)/PRINT=COD MEAN MEDIAN
PRB PRD WGTMEAN N.
RATIO STATISTICS assessed_total WITH sale_price BY age_range (ASCENDING)/PRINT=COD MEAN MEDIAN
PRB PRD WGTMEAN N.

compute smonth = xdate.month(sale_date).
compute syear = 2025 - xdate.year(sale_date).

COMPUTE MONTHS=SMONTH.
variable labels Months 'Months Prior to Apppraisal Date'.
if (SYEAR=2) MONTHS=SMONTH+12.
If (SYEAR=3) MONTHS=SMONTH+24.
FORMATS MONTHS(F4.0).
MEANS MONTHS BY SYEAR BY SMONTH.

GRAPH/SCATTER=months WITH SAR/Title="Sales Assessment Ratio Change Over Time".
GRAPH/SCATTER=sale_date WITH SAR/Title="Sales Assessment Ratio Change Over Time".
GRAPH/HISTOGRAM=SAR.

COMPUTE LN_SAR=LN(SAR).
variable labels LN_SAR 'Natural Log of SAR'.
GRAPH/SCATTER=MONTHS WITH LN_SAR/Title="Natural Log of Sales Assessment Ratio Change Over Time".
GRAPH/SCATTER=sale_date WITH LN_SAR/Title="Natural Log of Sales Assessment Ratio Change Over Time".

REGRESSION
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001)
  /DEPENDENT LN_SAR
  /METHOD=STEPWISE MONTHS.

COMPUTE END1=14.
COMPUTE END2=26.
COMPUTE END3=36.
COMPUTE MONTHS1=MONTHS.
IF (MONTHS>END1) MONTHS1=END1.
COMPUTE MONTHS2=0.
IF (MONTHS>END1) MONTHS2=MONTHS-END1.
IF (MONTHS>END2) MONTHS2=END2-END1.
COMPUTE MONTHS3=0.
IF (MONTHS>END2) MONTHS3=MONTHS-END2.
/*IF (MONTHS>END3) MONTHS3=END3-END2.
/*COMPUTE MONTHS4=0.
/*IF (MONTHS>END3) MONTHS4=MONTHS-END3.
MEANS MONTHS1 MONTHS2 MONTHS3 BY MONTHS/CELLS=MEAN.

REGRESSION
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001)
```

```
  /DEPENDENT LN_SAR
  /METHOD=STEPWISE MONTHS1 MONTHS2 MONTHS3.

COMPUTE r1 = 0.000.
COMPUTE r2 = 0.00389126.
COMPUTE r3 = 0.000.
COMPUTE r4 = 0.000.
formats r1(f6.3).
formats r2(f6.3).
formats r3(f6.3).
formats r4(f6.3).
COMPUTE PRICE_INDEX=(1+r1)**MONTHS1 * (1+r2)**MONTHS2* (1+r3)**MONTHS3.
GRAPH/SCATTER=MONTHS WITH PRICE_INDEX.

MEANS PRICE_INDEX BY MONTHS.
COMPUTE END_INDEX=1.000.
COMPUTE TAF=PRICE_INDEX/END_INDEX.
variable labels TAF 'Time Adjustment Factor'.
GRAPH/SCATTER=MONTHS WITH TAF.
MEANS TAF BY MONTHS.

*TIME-ADJUSTED PRICES.
COMPUTE TASP=sale_price*TAF.
variable labels TASP 'Time Adjusted Sales Price'.
DES sale_price TASP TAF.
COMPUTE TASAR=assessed_total/TASP.
variable labels TASAR 'Time Adjusted Sales Assessment Ratio'.

GRAPH/SCATTER=MONTHS WITH TASAR.

GRAPH/HISTOGRAM=sale_price.
GRAPH/HISTOGRAM=TASP.
GRAPH/HISTOGRAM=SAR.
GRAPH/HISTOGRAM=TASAR.

* Ratio Outputs after time Adjustment..
RATIO STATISTICS assessed_total WITH TASP/PRINT=COD MEAN MEDIAN PRB PRD WGTMEAN N.

RATIO STATISTICS assessed_total WITH TASP BY nbhd_group (ASCENDING)/PRINT=COD MEAN MEDIAN PRB
PRD WGTMEAN N.
RATIO STATISTICS assessed_total WITH TASP BY quality_grade (ASCENDING)/PRINT=COD MEAN MEDIAN PRE
 PRD WGTMEAN N.
RATIO STATISTICS assessed_total WITH TASP BY condition_grade (ASCENDING)/PRINT=COD MEAN MEDIAN
PRB PRD WGTMEAN N.
RATIO STATISTICS assessed_total WITH TASP BY sqft_range (ASCENDING)/PRINT=COD MEAN MEDIAN PRB
PRD WGTMEAN N.
RATIO STATISTICS assessed_total WITH TASP BY age_range (ASCENDING)/PRINT=COD MEAN MEDIAN PRB
PRD WGTMEAN N.

COMPUTE TASPPSF= (TASP - market_land - detatched_value)/living_area.
variable labels TASPPSF 'Time Adjusted Sales Price Per Sqft'.
GRAPH/HIST=TASPPSF.
GRAPH/SCATTER=living_area WITH TASPPSF.
```

```
*LIVING AREA AND quality_grade.
GRAPH/SCATTER=living_area WITH TASPPSF by quality_grade.
EXAMINE TASPPSF BY quality_grade/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
MEANS TABLES=living_area BY quality_grade  /CELLS=MEAN MEDIAN COUNT STDDEV.
MEANS TABLES=TASP BY quality_grade  /CELLS=MEAN MEDIAN COUNT STDDEV.
MEANS TABLES=TASPPSF BY quality_grade  /CELLS=MEAN MEDIAN COUNT STDDEV.
*Grade 6 appears to be median grade and should not be included in analysis.
COMPUTE GRADE1_SF=0.
IF (quality_grade=1) GRADE1_SF = living_area.
COMPUTE GRADE2_SF=0.
IF (quality_grade=2) GRADE2_SF = living_area.
COMPUTE GRADE3_SF=0.
IF (quality_grade=3) GRADE3_SF = living_area.
COMPUTE GRADE4_SF=0.
IF (quality_grade=4) GRADE4_SF = living_area.
COMPUTE GRADE5_SF=0.
IF (quality_grade=5) GRADE5_SF = living_area.
COMPUTE GRADE6_SF=0.
IF (quality_grade=6) GRADE6_SF = living_area./**BASE QUALITY.
COMPUTE GRADE7_SF=0.
IF (quality_grade=7) GRADE7_SF = living_area.
COMPUTE GRADE8_SF=0.
IF (quality_grade=8) GRADE8_SF = living_area.
COMPUTE GRADE9_SF=0.
IF (quality_grade=9) GRADE9_SF = living_area.
COMPUTE GRADE10_SF=0.
IF (quality_grade=10) GRADE10_SF = living_area.
COMPUTE GRADE11_SF=0.
IF (quality_grade=11) GRADE11_SF = living_area.
COMPUTE GRADE12_SF=0.
IF (quality_grade=12) GRADE12_SF = living_area.
COMPUTE GRADE13_SF=0.
IF (quality_grade=13) GRADE13_SF = living_area.

MEANS GRADE4_SF GRADE5_SF GRADE6_SF GRADE7_SF GRADE8_SF GRADE9_SF GRADE10_SF
GRADE11_SF GRADE12_SF GRADE13_SF BY quality_grade/CELLS=MEAN.

*LIVING AREA AND condition_grade.
GRAPH/SCATTER=living_area WITH TASPPSF by condition_grade.
EXAMINE TASPPSF BY condition_grade/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
MEANS TABLES=living_area BY condition_grade  /CELLS=MEAN MEDIAN COUNT STDDEV.
MEANS TABLES=TASP BY condition_grade  /CELLS=MEAN MEDIAN COUNT STDDEV.
MEANS TABLES=TASPPSF BY condition_grade  /CELLS=MEAN MEDIAN COUNT STDDEV.
* Choosing Average (CONDITION GRADE 4) as default condition_grade by living area and TASP.
COMPUTE COND1_SF=0.
IF (condition_grade=1) COND1_SF = living_area.
COMPUTE COND2_SF=0.
IF (condition_grade=2) COND2_SF = living_area.
COMPUTE COND3_SF=0.
IF (condition_grade=3) COND3_SF = living_area.
COMPUTE COND4_SF=0.
IF (condition_grade=4) COND4_SF = living_area./** BASE CONDITION.
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```
COMPUTE COND5_SF=0.
IF (condition_grade=5) COND5_SF = living_area.
COMPUTE COND6_SF=0.
IF (condition_grade=6) COND6_SF = living_area.
COMPUTE COND7_SF=0.
IF (condition_grade=7) COND7_SF = living_area.
MEANS COND1_SF COND2_SF COND3_SF COND4_SF COND5_SF COND6_SF COND7_SF by
condition_grade/CELLS=MEAN.

*Create binaries for exterior wall type.
EXAMINE tasp BY ext_wall_typ/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
MEANS TABLES=TASPPSF By ext_wall_typ /CELLS=MEAN MEDIAN COUNT STDDEV.
compute ext_wall_BV = 0.
compute ext_wall_DR = 0.
compute ext_wall_HB = 0.
compute ext_wall_SS = 0.
compute ext_wall_ST = 0.
compute ext_wall_VN = 0.
compute ext_wall_WD = 0.

if (ext_wall_typ = 'BV') ext_wall_BV = 1.
if (ext_wall_typ = 'DR') ext_wall_DR = 1.
if (ext_wall_typ = 'HB') ext_wall_HB = 1.
if (ext_wall_typ = 'SS') ext_wall_SS = 1.
if (ext_wall_typ = 'ST') ext_wall_ST = 1.
if (ext_wall_typ = 'VN') ext_wall_VN = 1.
if (ext_wall_typ = 'WD') ext_wall_WD = 1.

*Create binaries for roofing.
EXAMINE tasppsf BY roofing/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
compute roofing_AC = 0.
compute roofing_CL = 0.
compute roofing_CP = 0.
compute roofing_MT = 0.
compute roofing_SH = 0.
compute roofing_TG = 0.

if(roofing='AC') roofing_AC = living_area + att_gar.
if(roofing='CL') roofing_CL = living_area + att_gar.
if(roofing='CP') roofing_CP = living_area + att_gar.
if(roofing='MT') roofing_MT = living_area + att_gar.
if(roofing='SH') roofing_SH = living_area + att_gar.
if(roofing='TG') roofing_TG = living_area + att_gar.

*Create binaries for masonry_trim.
EXAMINE tasp BY masonry_trim/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
COMPUTE masonry_brick=0.
IF (masonry_trim="B") masonry_brick=1.
COMPUTE masonry_stone=0.
IF (masonry_trim="S") masonry_stone=1.
COMPUTE masonry_none=0.
IF (masonry_trim="N") masonry_none=1.
IF (masonry_trim = "") masonry_none = 1.
```

```
EXAMINE tasp BY num_stories/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
EXAMINE TASPPSF BY num_stories/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.

GRAPH/SCATTER=PlumbingFixtures with TASP.
EXAMINE tasp BY full_bath/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
EXAMINE tasp BY num_bedrooms/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.

*/ Create nbhd_group variables with binary to get a flat $ adjustment from regression.
EXAMINE tasp by condo_group/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
MEANS TABLES=TASP BY condo_group  /CELLS=MEAN MEDIAN COUNT STDDEV.
EXAMINE TASPPSF by condo_group/PLOT=BOXPLOT/STAT=NONE/NOTOTAL.
MEANS TABLES=TASPPSF BY condo_group  /CELLS=MEAN MEDIAN COUNT STDDEV.
Compute nbhd_group = 0.

if (condo_group = "YE1") nbhd_group = 1.
if (condo_group = "LINCOLN ESTATES") nbhd_group = 1.
if (condo_group = "EL SOMMERSET CONDO") nbhd_group = 1.
if (condo_group = "Glen Heather West Townhouses") nbhd_group = 2.
if (condo_group = "Glen Heather Townhouses") nbhd_group = 2.
if (condo_group = "Fontanelle Townhouses Condos") nbhd_group = 2.
if (condo_group = "Tieton Square Condos") nbhd_group = 3.
if (condo_group = "Richards Circle/Rd/5th St") nbhd_group = 3.
if (condo_group = "Central And North Yakima") nbhd_group = 3.
if (condo_group = "Burning Tree Estates") nbhd_group = 3.
if (condo_group = "ESTEE COURT") nbhd_group = 4.
if (condo_group = "COUNTRY CLUB") nbhd_group = 4.
if (condo_group = "CHESTNUT GROVE") nbhd_group = 4.
if (condo_group = "MCCARGER") nbhd_group = 4.
if (condo_group = "Lincoln Village Condo") nbhd_group = 4.
if (condo_group = "CASTLEVALE MANORS") nbhd_group = 4.
if (condo_group = "MODESTO HTS") nbhd_group = 4.
if (condo_group = "RICHLAND ADDITION") nbhd_group = 4.
if (condo_group = "Englewood Crest Condos") nbhd_group = 4.
if (condo_group = "Granwood Estates") nbhd_group = 4.
if (condo_group = "YSE") nbhd_group = 4.
if (condo_group = "SUMMERHILL") nbhd_group = 5.
if (condo_group = "Cornell Palms") nbhd_group = 5.
if (condo_group = "SCENIC DR") nbhd_group = 5.
if (condo_group = "GLENWOOD COURT") nbhd_group = 5.
if (condo_group = "High View Drive") nbhd_group = 5.
if (condo_group = "Summitview Country") nbhd_group = 5.
if (condo_group = "YSW") nbhd_group = 5.
if (condo_group = "SHAW CREEK VISTA CONDOS") nbhd_group = 6.
if (condo_group = "Garden Park") nbhd_group = 6.
if (condo_group = "Carriage Park Condo") nbhd_group = 6.
if (condo_group = "SIERRA ESTATES") nbhd_group = 6.
if (condo_group = "ENGLEWOOD SQUARE #1") nbhd_group = 6.
if (condo_group = "63RD/SUMMITVIEW") nbhd_group = 6.
if (condo_group = "TH") nbhd_group = 6.
if (condo_group = "RANDALL PARK") nbhd_group = 6.
if (condo_group = "MEADOWVIEW") nbhd_group = 6.
if (condo_group = "Webster Townhouse") nbhd_group = 6.
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if (condo_group = "The Summit") nbhd_group = 6.
if (condo_group = "Casa Royal Condos") nbhd_group = 6.
if (condo_group = "View Crest manor") nbhd_group = 6.
if (condo_group = "Fairway Estates Condos") nbhd_group = 7.
if (condo_group = "GOODLANDER SQUARE") nbhd_group = 7.
if (condo_group = "RACKET LANE") nbhd_group = 7.
if (condo_group = "Quail Run Condos") nbhd_group = 7.
if (condo_group = "WV COUNTRY CLUB") nbhd_group = 7.
if (condo_group = "Selah") nbhd_group = 7.
if (condo_group = "MIDVALE COURT") nbhd_group = 8.
if (condo_group = "SUNRISE VILLAS") nbhd_group = 8.
if (condo_group = "The Cascadian Condos") nbhd_group = 8.
if (condo_group = "44TH/ARLINGTON") nbhd_group = 8.
if (condo_group = "The Heatherton Townhouses") nbhd_group = 8.
if (condo_group = "CLEAR WATER VILLAGE CONDOS") nbhd_group = 8.
if (condo_group = "Windcrest Villa Townhouses") nbhd_group = 8.
if (condo_group = "ZILLAH LAKES") nbhd_group = 8.
if (condo_group = "Meadowbrook Condos") nbhd_group = 9.
if (condo_group = "Keystone Condos") nbhd_group = 9.
if (condo_group = "POTTENGERS PLACE") nbhd_group = 9.
if (condo_group = "DRUSE- S 88TH") nbhd_group = 9.
if (condo_group = "Chalet Village Townhouses") nbhd_group = 9.
if (condo_group = "WIDE HOLLW ESTATES") nbhd_group = 9.
if (condo_group = "THE CROSSINGS") nbhd_group = 10.
if (condo_group = "Georgian Estates Condos") nbhd_group = 10.
if (condo_group = "COTTONWOOD GROVE") nbhd_group = 10.
if (condo_group = "APPLE TREE CONDOS") nbhd_group = 10.
if (condo_group = "West Crest") nbhd_group = 10.
if (condo_group = "Willow Lake Condos") nbhd_group = 10.
if (condo_group = "VILLA MESSINA") nbhd_group = 11.
if (condo_group = "105 PEACH TREE CONDOS") nbhd_group = 11.
if (condo_group = "SUMMIT CREST") nbhd_group = 11.
if (condo_group = "Summitview Square Condo") nbhd_group = 11.
if (condo_group = "THE LOFTS") nbhd_group = 11.
if (condo_group = "CATALYSS") nbhd_group = 12.
if (condo_group = "ROSE DOOR HOMES CONDOS") nbhd_group = 13.
if (condo_group = "WHITE PASS CONDOS") nbhd_group = 14.

*/ Create nbhd variables with living area to get a $ per sqft adjustment from regression.
compute nbhd_group_1_SF = 0.
compute nbhd_group_2_SF = 0.
compute nbhd_group_3_SF = 0.
compute nbhd_group_4_SF = 0.
compute nbhd_group_5_SF = 0.
compute nbhd_group_6_SF = 0.
*compute nbhd_group_7_SF = 0./** Most Common Grouping.
compute nbhd_group_8_SF = 0.
compute nbhd_group_9_SF = 0.
compute nbhd_group_10_SF = 0.
compute nbhd_group_11_SF = 0.
compute nbhd_group_12_SF = 0.
compute nbhd_group_13_SF = 0.
compute nbhd_group_14_SF = 0.
```

```
if (condo_group = "YE1") nbhd_group_1_SF = living_area.
if (condo_group = "LINCOLN ESTATES") nbhd_group_1_SF = living_area.
if (condo_group = "EL SOMMERSET CONDO") nbhd_group_1_SF = living_area.
if (condo_group = "Glen Heather West Townhouses") nbhd_group_2_SF = living_area.
if (condo_group = "Glen Heather Townhouses") nbhd_group_2_SF = living_area.
if (condo_group = "Fontanelle Townhouses Condos") nbhd_group_2_SF = living_area.
if (condo_group = "Tieton Square Condos") nbhd_group_3_SF = living_area.
if (condo_group = "Richards Circle/Rd/5th St") nbhd_group_3_SF = living_area.
if (condo_group = "Central And North Yakima") nbhd_group_3_SF = living_area.
if (condo_group = "Burning Tree Estates") nbhd_group_3_SF = living_area.
if (condo_group = "ESTEE COURT") nbhd_group_4_SF = living_area.
if (condo_group = "COUNTRY CLUB") nbhd_group_4_SF = living_area.
if (condo_group = "CHESTNUT GROVE") nbhd_group_4_SF = living_area.
if (condo_group = "MCCARGER") nbhd_group_4_SF = living_area.
if (condo_group = "Lincoln Village Condo") nbhd_group_4_SF = living_area.
if (condo_group = "CASTLEVALE MANORS") nbhd_group_4_SF = living_area.
if (condo_group = "MODESTO HTS") nbhd_group_4_SF = living_area.
if (condo_group = "RICHLAND ADDITION") nbhd_group_4_SF = living_area.
if (condo_group = "Englewood Crest Condos") nbhd_group_4_SF = living_area.
if (condo_group = "Granwood Estates") nbhd_group_4_SF = living_area.
if (condo_group = "YSE") nbhd_group_4_SF = living_area.
if (condo_group = "SUMMERHILL") nbhd_group_5_SF = living_area.
if (condo_group = "Cornell Palms") nbhd_group_5_SF = living_area.
if (condo_group = "SCENIC DR") nbhd_group_5_SF = living_area.
if (condo_group = "GLENWOOD COURT") nbhd_group_5_SF = living_area.
if (condo_group = "High View Drive") nbhd_group_5_SF = living_area.
if (condo_group = "Summitview Country") nbhd_group_5_SF = living_area.
if (condo_group = "YSW") nbhd_group_5_SF = living_area.
if (condo_group = "SHAW CREEK VISTA CONDOS") nbhd_group_6_SF = living_area.
if (condo_group = "Garden Park") nbhd_group_6_SF = living_area.
if (condo_group = "Carriage Park Condo") nbhd_group_6_SF = living_area.
if (condo_group = "SIERRA ESTATES") nbhd_group_6_SF = living_area.
if (condo_group = "ENGLEWOOD SQUARE #1") nbhd_group_6_SF = living_area.
if (condo_group = "63RD/SUMMITVIEW") nbhd_group_6_SF = living_area.
if (condo_group = "TH") nbhd_group_6_SF = living_area.
if (condo_group = "RANDALL PARK") nbhd_group_6_SF = living_area.
if (condo_group = "MEADOWVIEW") nbhd_group_6_SF = living_area.
if (condo_group = "Webster Townhouse") nbhd_group_6_SF = living_area.
if (condo_group = "The Summit") nbhd_group_6_SF = living_area.
if (condo_group = "Casa Royal Condos") nbhd_group_6_SF = living_area.
if (condo_group = "View Crest manor") nbhd_group_6_SF = living_area.
*if (condo_group = "Fairway Estates Condos") nbhd_group_7_SF = living_area.
*if (condo_group = "GOODLANDER SQUARE") nbhd_group_7_SF = living_area.
*if (condo_group = "RACKET LANE") nbhd_group_7_SF = living_area.
*if (condo_group = "Quail Run Condos") nbhd_group_7_SF = living_area.
*if (condo_group = "WV COUNTRY CLUB") nbhd_group_7_SF = living_area.
*if (condo_group = "Selah") nbhd_group_7_SF = living_area.
if (condo_group = "MIDVALE COURT") nbhd_group_8_SF = living_area.
if (condo_group = "SUNRISE VILLAS") nbhd_group_8_SF = living_area.
if (condo_group = "The Cascadian Condos") nbhd_group_8_SF = living_area.
if (condo_group = "44TH/ARLINGTON") nbhd_group_8_SF = living_area.
if (condo_group = "The Heatherton Townhouses") nbhd_group_8_SF = living_area.
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if (condo_group = "CLEAR WATER VILLAGE CONDOS") nbhd_group_8_SF = living_area.
if (condo_group = "Windcrest Villa Townhouses") nbhd_group_8_SF = living_area.
if (condo_group = "ZILLAH LAKES") nbhd_group_8_SF = living_area.
if (condo_group = "Meadowbrook Condos") nbhd_group_9_SF = living_area.
if (condo_group = "Keystone Condos") nbhd_group_9_SF = living_area.
if (condo_group = "POTTENGERS PLACE") nbhd_group_9_SF = living_area.
if (condo_group = "DRUSE- S 88TH") nbhd_group_9_SF = living_area.
if (condo_group = "Chalet Village Townhouses") nbhd_group_9_SF = living_area.
if (condo_group = "WIDE HOLLW ESTATES") nbhd_group_9_SF = living_area.
if (condo_group = "THE CROSSINGS") nbhd_group_10_SF = living_area.
if (condo_group = "Georgian Estates Condos") nbhd_group_10_SF = living_area.
if (condo_group = "COTTONWOOD GROVE") nbhd_group_10_SF = living_area.
if (condo_group = "APPLE TREE CONDOS") nbhd_group_10_SF = living_area.
if (condo_group = "West Crest") nbhd_group_10_SF = living_area.
if (condo_group = "Willow Lake Condos") nbhd_group_10_SF = living_area.
if (condo_group = "VILLA MESSINA") nbhd_group_11_SF = living_area.
if (condo_group = "105 PEACH TREE CONDOS") nbhd_group_11_SF = living_area.
if (condo_group = "SUMMIT CREST") nbhd_group_11_SF = living_area.
if (condo_group = "Summitview Square Condo") nbhd_group_11_SF = living_area.
if (condo_group = "THE LOFTS") nbhd_group_11_SF = living_area.
if (condo_group = "CATALYSS") nbhd_group_12_SF = living_area.
if (condo_group = "ROSE DOOR HOMES CONDOS") nbhd_group_13_SF = living_area.
if (condo_group = "WHITE PASS CONDOS") nbhd_group_14_SF = living_area.

*AGE AND EFFECTIVE AGE.
GRAPH/SCATTER=Age WITH TASP.
GRAPH/SCATTER=Eff_Age WITH TASP.

compute ac_sf = ac * living_area.

*Choosing Eff_Age instead of Age.
COMPUTE AgeEND1=40.
COMPUTE AgeEND2=100.
*COMPUTE AgeEND3=120.
Compute EffAge1 = Eff_Age.
IF (Eff_Age>AgeEND1) EffAge1=AgeEND1.
COMPUTE EffAge2=0.
IF (Eff_Age>AgeEND1) EffAge2=Eff_Age-AgeEND1.
*IF (Age>AgeEND2) Age2=AgeEND2-AgeEND1.
COMPUTE EffAge3=0.
*IF (Age>AgeEND2) Age3=Age-AgeEND2.
MEANS EffAge1 EffAge2 EffAge3 BY Eff_AGE/CELLS=MEAN.

**REMOVE Detatched_Value from TASP.
COMPUTE TASP_Minus_Det = TASP - detatched_value.
COMPUTE TASP_Minus_Det_Land = TASP - detatched_value - market_land.

*Normal Regression.
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001)
  /NOORIGIN
```

```
  /DEPENDENT  TASP_Minus_Det_Land
  /METHOD=BACKWARD GRADE4_SF GRADE5_SF GRADE7_SF GRADE8_SF GRADE9_SF
     COND3_SF COND5_SF COND6_SF COND7_SF
     nbhd_group_1_sf nbhd_group_2_sf nbhd_group_3_sf nbhd_group_4_sf nbhd_group_5_sf nbhd_group_6_sf
 nbhd_group_8_sf
     nbhd_group_9_sf nbhd_group_10_sf nbhd_group_11_sf nbhd_group_12_sf nbhd_group_13_sf nbhd_group_
14_sf
     ext_wall_BV ext_wall_DR ext_wall_HB ext_wall_SS ext_wall_ST ext_wall_VN ext_wall_WD
     roofing_AC roofing_CL roofing_CP roofing_MT roofing_SH roofing_TG
     living_area total_area1 total_area2 MainFloor UpperFloor UnfinBsmt FinBSMT att_gar blt_gar ac_sf Age Eff_Age
 EffAge1 EffAge2
     full_bath half_bath PlumbingFixtures fireplace
     masonry_brick masonry_none masonry_stone.

*Normal Regression Stepwise.
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001)
  /NOORIGIN
  /DEPENDENT  TASP_Minus_Det_Land
  /METHOD=STEPWISE GRADE4_SF GRADE5_SF GRADE7_SF GRADE8_SF GRADE9_SF
     COND3_SF COND5_SF COND6_SF COND7_SF
     nbhd_group_1_sf nbhd_group_2_sf nbhd_group_3_sf nbhd_group_4_sf nbhd_group_5_sf nbhd_group_6_sf
 nbhd_group_8_sf
     nbhd_group_9_sf nbhd_group_10_sf nbhd_group_11_sf nbhd_group_12_sf nbhd_group_13_sf nbhd_group_
14_sf
     ext_wall_BV ext_wall_DR ext_wall_HB ext_wall_SS ext_wall_ST ext_wall_VN ext_wall_WD
     roofing_AC roofing_CL roofing_CP roofing_MT roofing_SH roofing_TG
     living_area total_area1 total_area2 MainFloor UpperFloor UnfinBsmt FinBSMT att_gar blt_gar ac_sf Age Eff_Age
 EffAge1 EffAge2
     full_bath half_bath PlumbingFixtures fireplace
     masonry_brick masonry_none masonry_stone.

*FInal Model.
REGRESSION
  /MISSING LISTWISE
  /STATISTICS COEFF OUTS R ANOVA
  /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001)
  /NOORIGIN
  /DEPENDENT  TASP_Minus_Det_Land
  /METHOD=ENTER GRADE7_SF COND5_SF COND6_SF COND7_SF
  nbhd_group_1_SF nbhd_group_2_SF nbhd_group_3_SF nbhd_group_4_SF nbhd_group_5_SF nbhd_group_9_S
F nbhd_group_10_SF
  nbhd_group_11_SF nbhd_group_12_SF nbhd_group_13_SF nbhd_group_14_SF
  ext_wall_HB roofing_AC roofing_MT total_area2 finBSMT att_gar ac_sf EffAge2 full_bath
  /SAVE PRED (market_pred).

MEANS TABLES=market_pred /CELLS=MIN MAX MEDIAN MEAN COUNT STDDEV.

compute market_value_total = market_pred + market_land + detatched_value.
compute Pred_Market_Ratio = market_value_total/TASP.
```

RATIO STATISTICS market_value_total WITH TASP /PRINT=COD MEAN MEDIAN PRB PRD WGTMEAN N.

RATIO STATISTICS market_value_total WITH TASP BY nbhd_group (ASCENDING)/PRINT=COD MEAN MEDIAN PRD WGTMEAN N.
if (nbhd_group = 1) market_value_total = market_value_total *0.995.
if (nbhd_group = 2) market_value_total = market_value_total *1.0101.
if (nbhd_group = 3) market_value_total = market_value_total *0.9804.
if (nbhd_group = 4) market_value_total = market_value_total *0.998.
if (nbhd_group = 5) market_value_total = market_value_total *1.007.
if (nbhd_group = 6) market_value_total = market_value_total *0.9766.
if (nbhd_group = 7) market_value_total = market_value_total *0.996.
if (nbhd_group = 8) market_value_total = market_value_total *1.0163.
if (nbhd_group = 9) market_value_total = market_value_total *1.0132.
if (nbhd_group = 10) market_value_total = market_value_total *1.0111.
if (nbhd_group = 11) market_value_total = market_value_total *1.0121.
if (nbhd_group = 12) market_value_total = market_value_total *0.995.
if (nbhd_group = 13) market_value_total = market_value_total *1.
if (nbhd_group = 14) market_value_total = market_value_total *1.0267.
RATIO STATISTICS market_value_total WITH TASP BY nbhd_group (ASCENDING)/PRINT=COD MEAN MEDIAN PRD WGTMEAN N.

RATIO STATISTICS market_value_total WITH TASP BY quality_grade (ASCENDING)/PRINT=COD MEAN MEDIAN PRD WGTMEAN N.
if (quality_grade = 4) market_value_total = market_value_total *1.0582.
if (quality_grade = 5) market_value_total = market_value_total *0.998.
if (quality_grade = 6) market_value_total = market_value_total *0.999.
if (quality_grade = 7) market_value_total = market_value_total *1.006.
if (quality_grade = 8) market_value_total = market_value_total *1.0081.
if (quality_grade = 9) market_value_total = market_value_total *0.9643.
RATIO STATISTICS market_value_total WITH TASP BY quality_grade (ASCENDING)/PRINT=COD MEAN MEDIAN PRD WGTMEAN N.

RATIO STATISTICS market_value_total WITH TASP BY condition_grade (ASCENDING)/PRINT=COD MEAN MEDIAN PRD WGTMEAN N.
if (condition_grade = 3) market_value_total = market_value_total *0.9901.
if (condition_grade = 4) market_value_total = market_value_total *1.001.
if (condition_grade = 5) market_value_total = market_value_total *0.9921.
if (condition_grade = 6) market_value_total = market_value_total *0.9921.
if (condition_grade = 7) market_value_total = market_value_total *0.9901.
RATIO STATISTICS market_value_total WITH TASP BY condition_grade (ASCENDING)/PRINT=COD MEAN MEDIAN PRD WGTMEAN N.

RATIO STATISTICS market_value_total WITH TASP BY sqft_range (ASCENDING)/PRINT=COD MEAN MEDIAN PRD WGTMEAN N.
if (sqft_range = 0) market_value_total = market_value_total *0.9425.
if (sqft_range = 1) market_value_total = market_value_total *1.
if (sqft_range = 2) market_value_total = market_value_total *1.007.
if (sqft_range = 3) market_value_total = market_value_total *1.0235.
if (sqft_range = 4) market_value_total = market_value_total *0.9671.
RATIO STATISTICS market_value_total WITH TASP BY sqft_range (ASCENDING)/PRINT=COD MEAN MEDIAN PRD WGTMEAN N.

RATIO STATISTICS market_value_total WITH TASP BY age_range (ASCENDING)/PRINT=COD MEAN MEDIAN

```
PRD WGTMEAN N.
if (age_range = 0) market_value_total = market_value_total *1.003.
if (age_range = 1) market_value_total = market_value_total *1.
if (age_range = 2) market_value_total = market_value_total *0.9901.
if (age_range = 3) market_value_total = market_value_total *1.0142.
if (age_range = 4) market_value_total = market_value_total *1.006.
if (age_range = 5) market_value_total = market_value_total *1.002.
if (age_range = 6) market_value_total = market_value_total *1.0741.
if (age_range = 7) market_value_total = market_value_total *0.9794.
if (age_range = 8) market_value_total = market_value_total *0.994.
RATIO STATISTICS market_value_total WITH TASP BY age_range (ASCENDING)/PRINT=COD MEAN MEDIAN
PRD WGTMEAN N.

compute Pred_Market_Ratio = market_value_total/TASP.
GRAPH/HISTOGRAM=Pred_Market_Ratio.

EXAMINE VARIABLES=Pred_Market_Ratio /PLOT BOXPLOT STEMLEAF /COMPARE GROUPS
/PERCENTILES(25,50,75) HAVERAGE /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE
/NOTOTAL.

* GIven a median of 1.0002 and an interquartile range of 0.0826 the Extreme Outlier Threshold is 0.2478 (3.0 X
IQR).
*This gives us a lower bound of .7524 (say .76) and an upper bound of 1.248 (say 1.3 - except DOR says 1.75).

compute extremeOutlier = 0.
if (Pred_Market_Ratio > 1.5) extremeOutlier = 1.
if (Pred_Market_Ratio < .76) extremeOutlier = 1.
compute ratioFilter = 1.
if (extremeOutlier = 1) ratioFilter = 0.

filter by ratioFilter.

*After Market Adjustments.
RATIO STATISTICS market_value_total WITH TASP/PRINT=COD MEAN MEDIAN PRB PRD WGTMEAN COV N.
```