# Predictive Modeling of Airbnb Stock Prices Using Multiple Regression Analysis

**Mannan Anand**

**ABSTRACT**

In the aftermath of the COVID-19 pandemic, the travel industry has seen unprecedented volatility, making it a focal point for investors seeking to capitalize on market recoveries. Airbnb, a leading player in this sector, represents a unique investment opportunity due to its innovative business model and significant market share in alternative lodging. This study endeavors to develop a predictive model for Airbnb's daily stock prices, utilizing data from other Consumer Discretionary stocks listed on the S&P 500 index. The volatility experienced by the travel industry, particularly during the market fluctuations post-COVID-19, provides a compelling backdrop for this analysis. Airbnb's resilience and adaptability during the pandemic, coupled with its ability to bounce back as travel restrictions eased, highlight its potential for growth. By leveraging historical stock price data and employing multiple regression techniques, this analysis aims to identify key predictors among S&P 500 constituents that influence Airbnb's stock performance.

This analysis identifies key significant predictors such as eBay, Caesar's Entertainment, Darden Restaurants, and Starbucks, evidenced by 65.33% explanation of the dataset’s variability without any multicollinearity issues to equip investors with a strategic tool for predicting Airbnb's stock movements, enhancing decision-making for both short-term trading and long-term investments.

## DATA

The predictive analysis of Airbnb's stock prices is underpinned by a robust dataset extracted from the Consumer Discretionary sector of the S&P 500 index. The dataset encompasses daily stock prices over the period from April 1, 2023, to March 31, 2024, providing a comprehensive view of market dynamics during this timeframe. This period is particularly significant as it captures the ongoing market adjustments post-COVID-19, a critical factor for companies in the travel industry, including Airbnb.

The dataset includes a total of 249 observations, each representing a trading day's closing stock prices for Airbnb and selected companies that potentially influence or share market behaviors with Airbnb. These companies include Home Depot (HD), Tesla (TSLA), eBay (EBAY), Deckers Outdoor Corporation (DECK), and several others, reflecting a mix of direct and indirect market influences.

**Rationale for Variable Selection:**

- **Dependent Variable**: Airbnb (ABNB) was selected as the dependent variable to focus the predictive analysis on its stock price movements, which are of primary interest to stakeholders and investors.
- **Independent Variables**: Variables like HD, TSLA, and EBAY were chosen based on their potential influence on Airbnb's stock price through consumer spending patterns, technological advancements, and e-commerce trends, respectively. These factors are presumed to have significant impacts on Airbnb’s performance, especially in the rapidly changing landscape of the travel and accommodation industry.

## METHODOLOGY

The analysis followed several structured steps to ensure rigor and accuracy:

1. **Exploratory Data Analysis (EDA)**:
    - **Distribution and Relationship Visualization**: Using PROC SGPLOT and PROC UNIVARIATE, the distribution of stock prices and the relationships between the variables were visualized. This helped identify the central tendencies, variability, and potential outliers in the data.
    - **Summary Statistics**: PROC MEANS provided detailed descriptive statistics for each variable, offering insights into the data's structure and underlying trends.
2. **Correlation Analysis**:
    - **Determining Relationships**: PROC CORR was employed to assess the strength and direction of linear relationships between Airbnb's stock prices and the independent variables. This step was crucial to narrowing down the list of potential predictors based on their correlation coefficients.
3. **Regression Analysis**:
    - Using PROC REG, a **stepwise regression** approach was adopted to iteratively select the most statistically significant predictors for the model. This method facilitated the inclusion and exclusion of variables based on their p-values and overall contribution to the model's explanatory power.

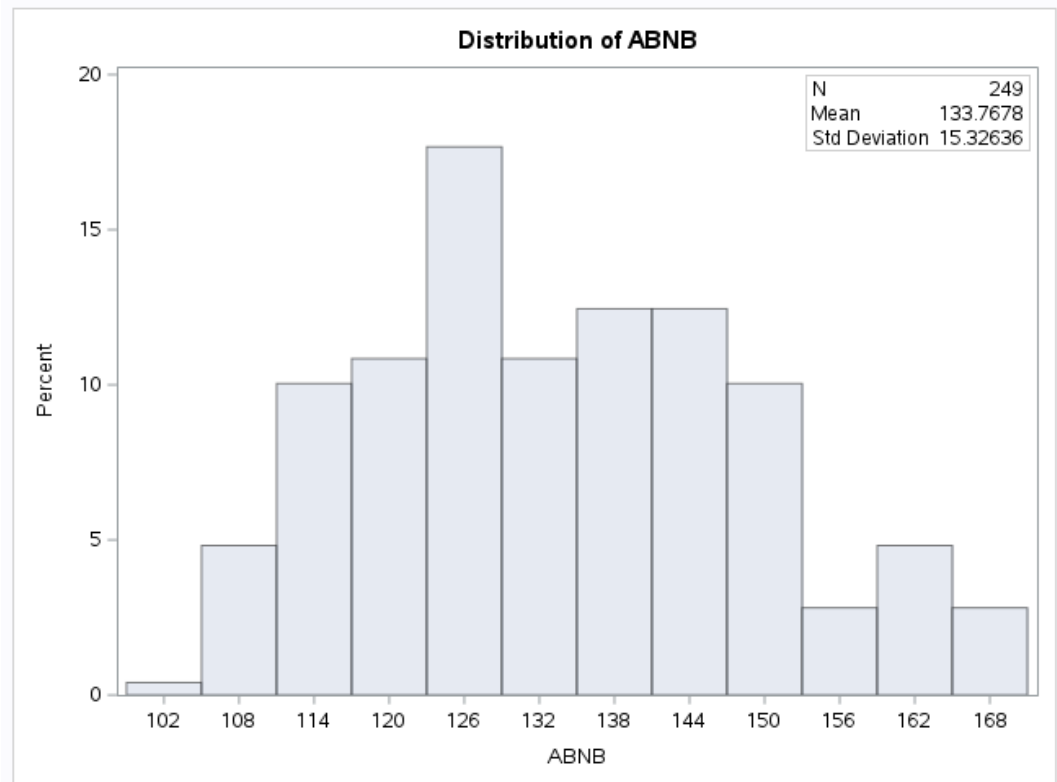
- **Model Refinement**: Interaction terms and quadratic terms were tested within the regression framework to explore complex relationships and nonlinear effects that could enhance the model's predictive accuracy.

4. **Model Evaluation and Selection**:
    - **Criteria for Model Comparison**: Different models were compared using Adjusted $R^2$, Cp, and PRESS statistics to determine the best fit. Each statistic provided a different lens through which the model's effectiveness could be assessed, ensuring a comprehensive evaluation.
    - **Diagnostic Checking**: The analysis of residuals and fit plots via PROC REG verified the assumptions of normality, homoscedasticity, and the absence of multicollinearity among the predictors.

## RESULTS

**Exploratory Data Analysis (EDA):** The initial phase involved a detailed examination of the stock prices of Airbnb and selected S&P 500 companies within the Consumer Discretionary sector. The primary outcomes from the EDA include:

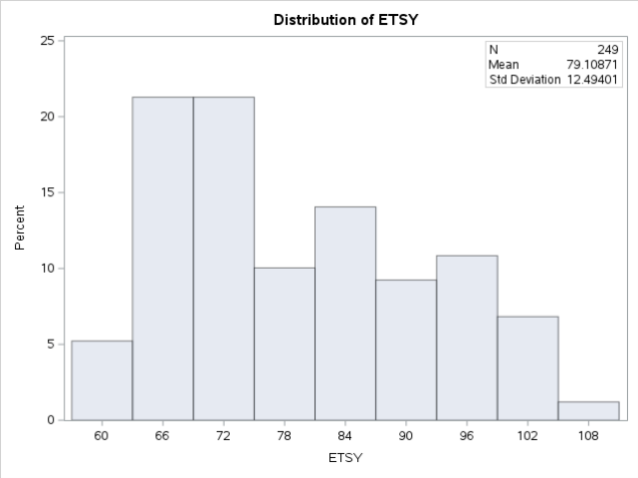
- **Mean:** The average price of ABNB is 133.77, indicating the central tendency over the observed period.
- **Volatility:** A standard deviation of 15.33 suggests moderate fluctuations.
- **Range and IQR:** The range (104.42 to 168.18) and IQR (22.55) show substantial variability, indicating periods of significant price change, which are important for modeling volatility.

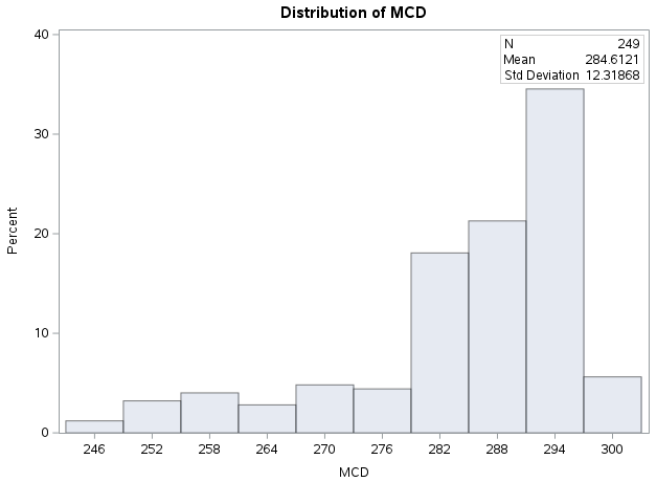


**Comparative Analysis of Other Stocks**

**Potential Good Predictors**

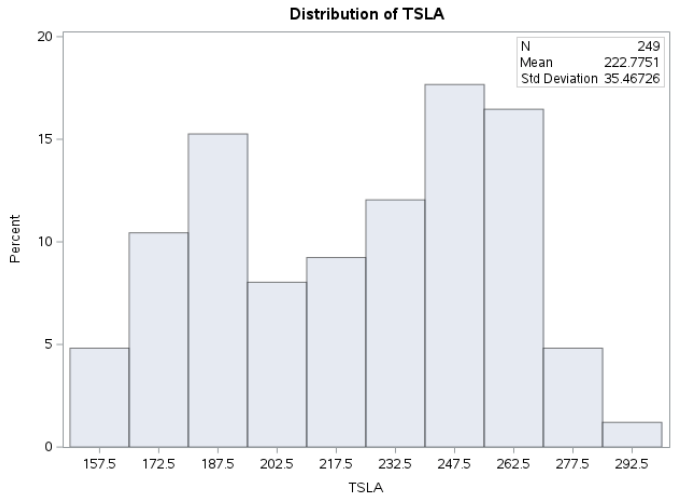
- **ETSY** shows a standard deviation of 12.494, skewness of 0.460, and kurtosis of -0.930, indicating moderate volatility and a distribution shape not too dissimilar from ABNB. Stocks like **MCD** with lower volatility (std dev of 12.318) but not too far off from ABNB could provide a stable yet related dynamic to ABNB's price movements.

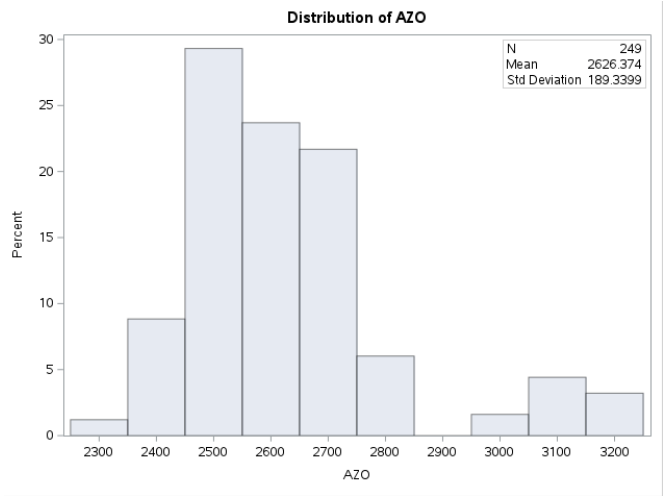



**Poor Predictors**

- **Highly Volatile Stocks:** Extremely volatile stocks might distort the prediction model for a relatively less volatile stock like ABNB. For example, **AZO** with a high standard deviation of 189.339 and extreme values in price could introduce noise rather than predictive power. Stocks like **TSLA** or **AZO** are likely to behave differently under market conditions compared to ABNB.

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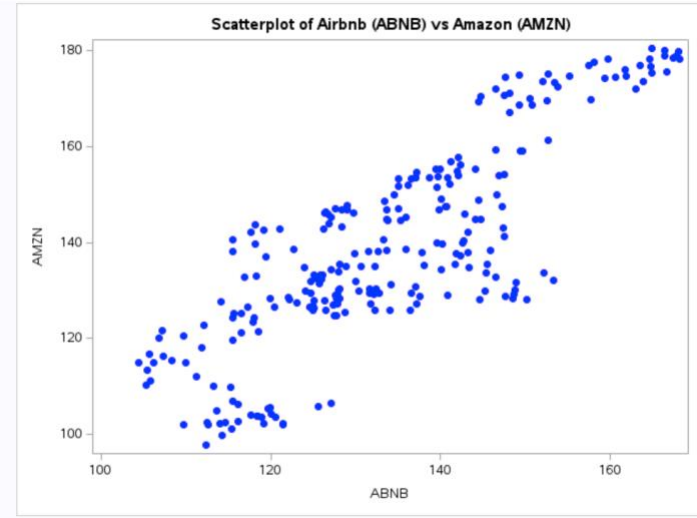
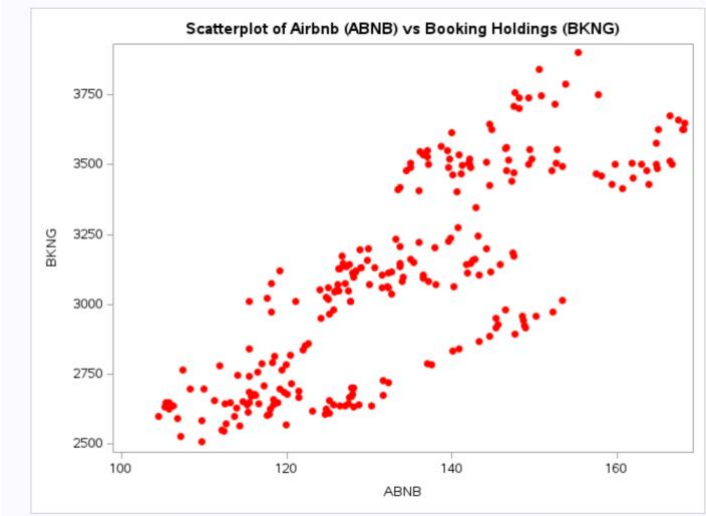
## CORRELATION ANALYSIS

The correlation analysis helped narrow down the list of potential predictors by highlighting stocks that showed significant linear relationships with Airbnb's stock prices. Stocks like Amazon (AMZN) and surprisingly Tesla (TSLA) demonstrated strong positive correlations, making them prime candidates for the regression model.

- **High Correlation:**

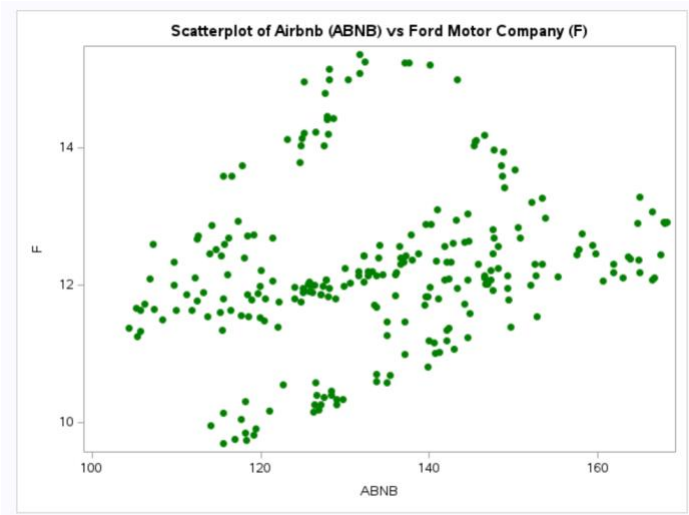
  Stocks like Amazon (AMZN), Booking Holdings (BKNG), and Chipotle Mexican Grill (CMG) show high correlations with ABNB (e.g., AMZN at 0.83045, BKNG at 0.79076, CMG at 0.72334). These stocks, due to their strong correlations, are likely good predictors and should be retained for further analysis.

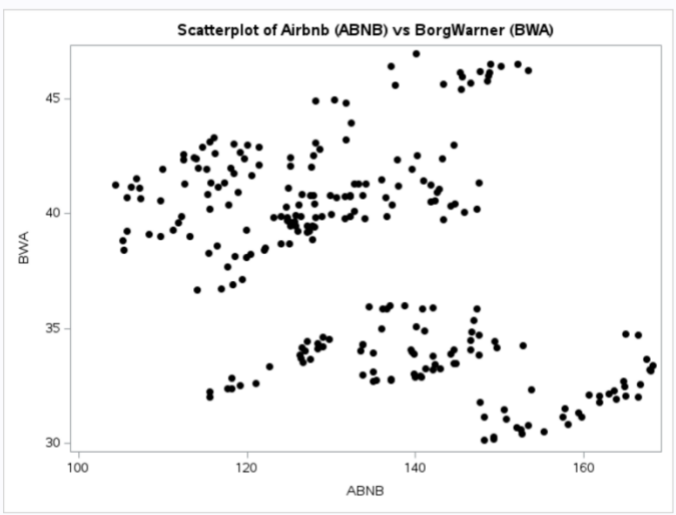



- **Low or Negative Correlation:**

  Some stocks exhibit very low or even negative correlations with ABNB, which might make them less useful for predicting ABNB's prices. For instance, Ford Motor Company (F) shows a correlation of 0.22206, which is relatively low, suggesting it has little predictive power regarding ABNB's price movements. BorgWarner (BWA) has a negative correlation (-0.40140) with ABNB, indicating a divergent movement pattern which might not be useful for the prediction model.



**StepWise Regression:**

In our analysis, we employed stepwise regression to determine the optimal combination of independent variables for predicting Airbnb stock prices. Variables were iteratively added and removed based on their p-values and the overall fit of the model. This approach refined the model by retaining only those variables that significantly contributed to predicting Airbnb's stock price. This method allows us to systematically explore the potential predictors among a larger set of variables, ultimately leading to a parsimonious model with strong predictive performance.

**Stepwise Regression Analysis Summary Table**

| Step | Variable Entered | Variable Removed | Model R-Square | C(p) | F Value | Pr > F |
|---|---|---|---|---|---|---|
| 1 | HD | | 0.7933 | 524.682 | 947.69 | <.0001 |
| 2 | TSLA | | 0.8335 | 376.834 | 59.47 | <.0001 |
| 3 | EBAY | | 0.8631 | 268.835 | 52.86 | <.0001 |
| 4 | DECK | | 0.8848 | 189.958 | 46.00 | <.0001 |
| 5 | CMG | | 0.8969 | 146.892 | 28.53 | <.0001 |
| 6 | HAS | | 0.9044 | 120.888 | 19.04 | <.0001 |
| 7 | CZR | | 0.9085 | 107.768 | 10.69 | 0.0012 |
| 8 | DRI | | 0.9167 | 79.2161 | 23.64 | <.0001 |
| 9 | | CMG | 0.9160 | 79.5811 | 1.83 | 0.1774 |
| 10 | | HAS | 0.9148 | 82.0840 | 3.47 | 0.0636 |
| 11 | RL | | 0.9198 | 65.7273 | 14.81 | <.0001 |
| 12 | SBUX | | 0.9213 | 61.9128 | 4.76 | 0.0300 |
| 13 | | HD | 0.9204 | 63.2440 | 2.73 | 0.0998 |
| 14 | LOW | | 0.9221 | 58.8790 | 5.27 | 0.0226 |
| 15 | AMZN | | 0.9243 | 52.6691 | 6.97 | 0.0089 |

**Model Selection Criteria ($R^2$, Adjusted $R^2$, Cp, PRESS):**

- **Adjusted R-Square and Cp Analysis:** These methods were employed to evaluate the goodness-of-fit of the models. Models with the highest adjusted $R^2$ values and lowest Cp values were considered better. This analysis led to further refinement by focusing on a subset of variables that maximized explanatory power while minimizing redundancy and multicollinearity.
- **PRESS Statistic:** This criterion was used to assess the predictive power of the model. The PRESS results influenced the final selection of variables, prioritizing those that enhance predictive accuracy on unseen data.

Based on that, for further testing using $R^2$, Adjusted $R^2$, Cp, and PRESS criteria, the best model to choose would be **Model 15** because:

| Step | Model Variables | Model R-Square | C(p) | F Value | Pr > F |
|---|---|---|---|---|---|
| 15 | AMZN, EBAY, CZR, DECK, DRI, LOW, RL, SBUX, TSLA | 0.9243 | 52.6691 | 324.43 | <.0001 |

- **R-Square**: This model has the highest R-Square value of 0.9243, indicating that it explains about 92.43% of the variability in Airbnb's stock prices, which is the highest among all steps.
- **C(p) Value**: The C(p) value for this model is the lowest among all models at 52.6691, suggesting a good balance of model complexity and predictive power.
- **Significance**: All variables in this model are significant at the 0.0500 level as indicated by their Pr > F values, making it a robust choice for detailed evaluation.

Based on these criteria, the best models seems to be the model with 9 variables:

- **Adjusted R-Square**: 0.9215
- **R-Square**: 0.9243
- **C(p)**: 10.000
- **Variables in the Model**: AMZN, EBAY, CZR, DECK, DRI, LOW, RL, SBUX, TSLA

However, per PRESS statistic, the best model is the one that includes the variables: EBAY, CZR, DECK, DRI, LOW, RL, SBUX, TSLA. At step 10, the PRESS value is 4862.3340, which is the lowest PRESS value in the stepwise selection process, indicating this model has the best predictive performance out of all the models considered. Let's evaluate it further to test its utility:

**Model Statistics**:

- **R-Square**: 0.9221 indicates that approximately 92.21% of the variance in ABNB is explained by the model.
- **Adjusted R-Square**: 0.9195 adjusts the R-Square for the number of predictors, still suggesting a strong model fit.
- **F Test**:

  $H_0$ : All coefficients = 0

  $H_a$ : Atleast one coefficient is not equal to zero

With an F Value of 355.28 and P value < 0.001 we reject the null hypothesis that this model is not statistically significant. Therefore, this model is of utility.

Now, to further refine this model and check for multicollinearity, we can calculate the Variance Inflation Factor (VIF) for each predictor variable. VIF quantifies how much the variance is inflated due to multicollinearity in the model. Generally, a VIF above 10 indicates high correlation and a problematic amount of collinearity.

After running a **PROC REG,** we obtain more details for our model:

| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | 12.30406 | 10.13480 | 1.21 | 0.2259 | 0 |
| EBAY | EBAY | 1 | 0.90468 | 0.18109 | 5.00 | <.0001 | 3.60286 |
| CZR | CZR | 1 | 1.15882 | 0.13782 | 8.41 | <.0001 | 5.60622 |
| DECK | DECK | 1 | 0.07103 | 0.00654 | 10.86 | <.0001 | 11.83621 |
| DRI | DRI | 1 | -0.38767 | 0.04990 | -7.77 | <.0001 | 2.81470 |
| LOW | LOW | 1 | 0.13141 | 0.05724 | 2.30 | 0.0226 | 10.20232 |
| RL | RL | 1 | 0.18435 | 0.04528 | 4.07 | <.0001 | 14.59776 |
| SBUX | SBUX | 1 | -0.20324 | 0.08062 | -2.52 | 0.0124 | 2.44964 |
| TSLA | TSLA | 1 | 0.05729 | 0.01345 | 4.26 | <.0001 | 2.98406 |

**Hypothesis for t-tests:**

- **Null Hypothesis (H0)**: There is no relationship between the predictor variable and the dependent variable (the coefficient is zero).
- **Alternative Hypothesis (H1)**: There is a relationship between the predictor variable and the dependent variable (the coefficient is not zero).

Given that all variables except the Intercept have p-values significantly less than 0.05, we reject the null hypothesis for these predictors and conclude that they have a significant relationship with Airbnb's stock price.

However, DECK, LOW and RL have unreliably high VIFs (>10), so we will be removing them from our model, reducing multicollinearity significantly, but at the expense of reduced $R^2$ (0.6533) and Adj. $R^2$ (0.6462), but a very good coefficient of variation (6.81):

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 5 | 38059 | 7611.87418 | 91.59 | <.0001 |
| Error | 243 | 20195 | 83.10754 | | |
| Corrected Total | 248 | 58255 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 9.11633 | R-Square | 0.6533 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.6462 |
| Coeff Var | 6.81504 | | |

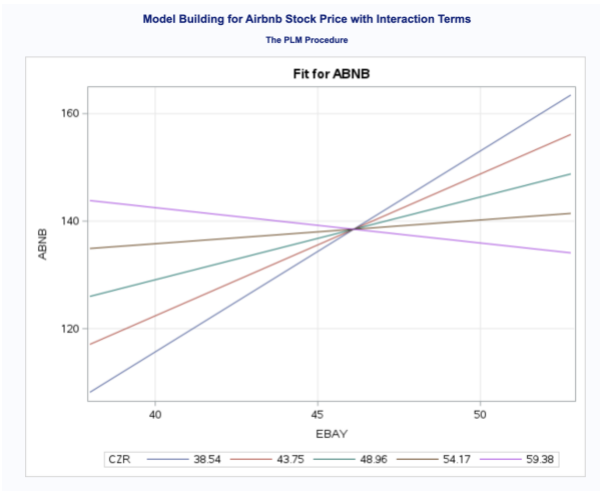
| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | 121.48383 | 18.67751 | 6.50 | <.0001 | 0 |
| EBAY | EBAY | 1 | 1.23638 | 0.25089 | 4.93 | <.0001 | 1.57275 |
| CZR | CZR | 1 | 0.71700 | 0.20349 | 3.52 | 0.0005 | 2.77953 |
| DRI | DRI | 1 | 0.58569 | 0.07487 | 7.82 | <.0001 | 1.44109 |
| SBUX | SBUX | 1 | -1.60867 | 0.12761 | -12.61 | <.0001 | 1.39577 |
| TSLA | TSLA | 1 | -0.04627 | 0.02691 | -1.72 | 0.0868 | 2.71728 |

Now, we will be testing potential interaction or second order models to see if they add any statistical significance to our model:

| Model Description | Variables Included | Rationale |
|---|---|---|
| Main Effects Model | EBAY, CZR, DRI, SBUX, TSLA | All variables are statistically significant predictors with low VIFs, indicating minimal multicollinearity. |
| Model with Interaction Terms | Main effects + All pairwise interactions | Interactions will help identify if the effect of one predictor on the dependent variable changes with the level of another predictor. |
| Model with Quadratic Terms | Main effects + Quadratic terms for each variable | Quadratic terms will allow us to capture non-linear relationships between the predictors and the dependent variable. |

Including these terms leads to excessively high Variance Inflation Factors (VIFs). VIF values well above the acceptable threshold indicate severe multicollinearity issues, which compromise the interpretability and predictive reliability of the model.

For our regression analysis, models containing both interaction and quadratic terms, are significant:




**Model with Interaction Terms**

The REG Procedure
Model: MODEL1

| Test 1 Results for Dependent Variable ABNB | | | | |
|---|---|---|---|---|
| Source | DF | Mean Square | F Value | Pr > F |
| Numerator | 9 | 845.01768 | 15.71 | <.0001 |
| Denominator | 234 | 53.80331 | | |

*There is a clear interaction in EBAY and CZY (slice-plot), and the whole interaction model is significant*

**Model with Quadratic Terms**

The REG Procedure
Model: MODEL1

| Test 1 Results for Dependent Variable ABNB | | | | |
|---|---|---|---|---|
| Source | DF | Mean Square | F Value | Pr > F |
| Numerator | 5 | 943.87745 | 14.52 | <.0001 |
| Denominator | 238 | 65.02414 | | |

*Quadratic Model is Also Significant*

**Null Hypothesis (H0):** All terms are jointly zero, implying no significant effects on Airbnb's stock price.

**Alternative Hypothesis (Ha):** At least one term is not zero, indicating a significant effect on Airbnb's stock price.

Given that the p-value is less than .0001, we reject the null hypothesis. This suggests that at least one of the interaction terms and quadratic terms significantly affects Airbnb's stock price, thus contributing to the predictive power of the model. However, every single variable (both interaction and quadratic) yielded VIFs ranging from a few 100s to 1000s. Such high VIFs signal that the predictor variables are explaining the same variance within the model, creating redundancy, and diminishing the model's performance. While these terms can sometimes capture complex relationships within the data, their inclusion has rendered our model unstable and unreliable for predictive purposes.

**Model with Interaction Terms**

The REG Procedure
Model: MODEL1
Dependent Variable: ABNB ABNB

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

Analysis of Variance

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| Model | 14 | 45665 | 3261.75215 | 60.62 | <.0001 |
| Error | 234 | 12590 | 53.80331 | | |
| Corrected Total | 248 | 58255 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 7.33507 | R-Square | 0.7839 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.7709 |
| Coeff Var | 5.48344 | | |

Parameter Estimates

| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
|---|---|---|---|---|---|---|---|
| Intercept | Intercept | 1 | -2420.50867 | 362.92633 | -6.67 | <.0001 | 0 |
| EBAY | EBAY | 1 | 34.37061 | 8.30403 | 4.14 | <.0001 | 2661.25756 |
| CZR | CZR | 1 | -49.60857 | 6.23496 | -7.96 | <.0001 | 4030.83296 |
| DRI | DRI | 1 | 22.01339 | 2.63764 | 8.35 | <.0001 | 2762.96605 |
| SBUX | SBUX | 1 | 16.83495 | 3.80333 | 4.43 | <.0001 | 1915.22365 |
| TSLA | TSLA | 1 | 3.71894 | 0.79964 | 4.65 | <.0001 | 3707.59148 |
| ebay_czr | | 1 | 0.36411 | 0.08674 | 4.20 | <.0001 | 2345.09027 |
| ebay_dri | | 1 | -0.14851 | 0.03024 | -4.91 | <.0001 | 2494.61791 |
| ebay_sbux | | 1 | -0.18866 | 0.07391 | -2.55 | 0.0113 | 3025.99527 |
| ebay_tsla | | 1 | -0.04170 | 0.01265 | -3.30 | 0.0011 | 1892.90778 |
| czr_sbux | | 1 | 0.28871 | 0.05386 | 5.36 | <.0001 | 4343.42759 |
| czr_tsla | | 1 | 0.02624 | 0.00554 | 4.73 | <.0001 | 902.80343 |
| dri_sbux | | 1 | -0.13014 | 0.02056 | -6.33 | <.0001 | 2614.31923 |
| dri_tsla | | 1 | -0.01069 | 0.00248 | -4.31 | <.0001 | 1007.85543 |
| sbux_tsla | | 1 | -0.01370 | 0.00590 | -2.32 | 0.0210 | 1985.41647 |

**Model with Quadratic Terms**

The REG Procedure
Model: MODEL1
Dependent Variable: ABNB ABNB

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

Analysis of Variance

| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| Model | 10 | 42779 | 4277.87582 | 65.79 | <.0001 |
| Error | 238 | 15476 | 65.02414 | | |
| Corrected Total | 248 | 58255 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 8.06375 | R-Square | 0.7343 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.7232 |
| Coeff Var | 6.02817 | | |

Parameter Estimates

| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
|---|---|---|---|---|---|---|---|
| Intercept | Intercept | 1 | 2025.06096 | 261.58764 | 7.74 | <.0001 | 0 |
| EBAY | EBAY | 1 | -24.63809 | 5.08050 | -4.85 | <.0001 | 824.24396 |
| CZR | CZR | 1 | 4.75735 | 2.87375 | 1.66 | 0.0992 | 708.53195 |
| DRI | DRI | 1 | -3.08803 | 2.52255 | -1.22 | 0.2221 | 2091.01990 |
| SBUX | SBUX | 1 | -23.04304 | 4.32332 | -5.33 | <.0001 | 2047.67180 |
| TSLA | TSLA | 1 | -0.74360 | 0.30940 | -2.40 | 0.0170 | 459.28796 |
| ebay2 | | 1 | 0.27163 | 0.05541 | 4.90 | <.0001 | 814.75088 |
| czr2 | | 1 | -0.03550 | 0.02854 | -1.24 | 0.2147 | 661.07810 |
| dri2 | | 1 | 0.01252 | 0.00813 | 1.54 | 0.1252 | 2119.15480 |
| sbux2 | | 1 | 0.10766 | 0.02169 | 4.96 | <.0001 | 2059.12477 |
| tsla2 | | 1 | 0.00161 | 0.00068238 | 2.36 | 0.0188 | 432.69134 |

Hence, we conclude that the interaction and quadratic models are unsuitable for our current analysis of Airbnb stock prices. Instead, we will proceed with the main effects model that maintains low VIFs and ensures a more parsimonious and interpretable model.

**Main Effects Model**

The REG Procedure
Model: MODEL1
Dependent Variable: ABNB ABNB

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 5 | 38059 | 7611.87418 | 91.59 | <.0001 |
| Error | 243 | 20195 | 83.10754 | | |
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| | | | |
|---|---|---|---|
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| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | 121.48383 | 18.67751 | 6.50 | <.0001 | 0 |
| EBAY | EBAY | 1 | 1.23638 | 0.25089 | 4.93 | <.0001 | 1.57275 |
| CZR | CZR | 1 | 0.71700 | 0.20349 | 3.52 | 0.0005 | 2.77953 |
| DRI | DRI | 1 | 0.58569 | 0.07487 | 7.82 | <.0001 | 1.44109 |
| SBUX | SBUX | 1 | -1.60867 | 0.12761 | -12.61 | <.0001 | 1.39577 |
| TSLA | TSLA | 1 | -0.04627 | 0.02691 | -1.72 | 0.0868 | 2.71728 |

**For 249 observations in the dataset, our main effects model possesses the following:**

- **R-Square ($R^2$)**: 0.6533, indicating that approximately 65.33% of the variability in Airbnb's stock price can be explained by the model's predictors.
- **Adjusted R-Square**: 0.6462, which adjusts the $R^2$ for the number of predictors in the model, suggesting a strong fit with consideration for the number of variables.
- **Root Mean Square Error (Root MSE)**: 9.11633, a measure of the average deviation of the predictions from the actual values.

- **F Value**: 91.59, which is highly significant (Pr > F < .0001) indicating the model is statistically significant and the predictors explain a significant amount of the variance in Airbnb's stock prices compared to the model with no predictors.

**Parameter Estimates:**

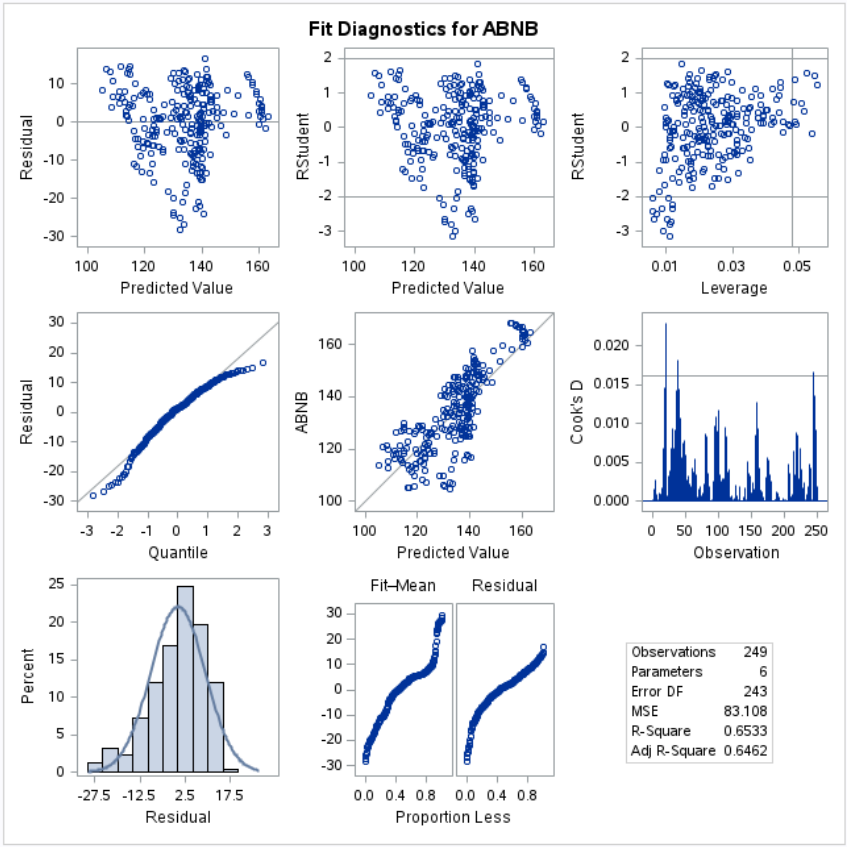
- **Intercept**: 121.48383, suggesting the baseline value of ABNB when all other variables are zero.
- **EBAY**: Coefficient = 1.23638, p-value < .0001. Each unit increase in EBAY is associated with a 1.23638 unit increase in ABNB, holding all else constant.
- **CZR**: Coefficient = 0.71700, p-value = 0.0005. Each unit increase in CZR is associated with a 0.71700 unit increase in ABNB, holding all else constant.
- **DRI**: Coefficient = 0.58569, p-value < .0001. Each unit increase in DRI is associated with a 0.58569 unit increase in ABNB, holding all else constant.
- **SBUX**: Coefficient = -1.60867, p-value < .0001. Each unit increase in SBUX is associated with a 1.60867 unit decrease in ABNB, holding all else constant.
- **TSLA**: Coefficient = -0.04627, p-value = 0.0868. TSLA is not statistically significant at the 0.05 level, but it is at the 0.1 level, indicating a weaker association with ABNB.

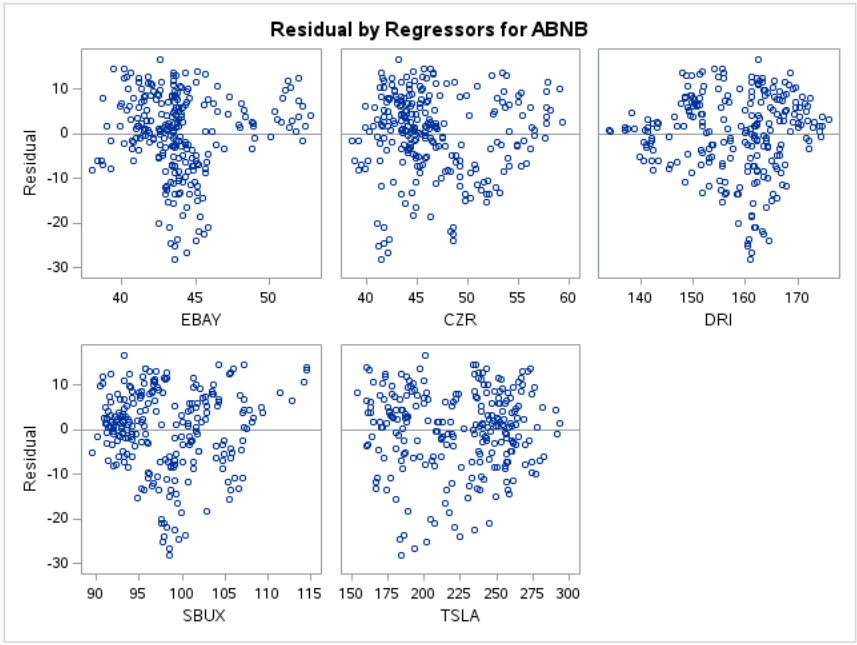
**Variance Inflation Factor (VIF):**

- All VIF values are below 5, which indicates that there is no concerning multicollinearity within the model. This ensures that our model's coefficients are reliable and not unduly influenced by redundant information across the predictors.

## Main Effects Model

The REG Procedure
Model: MODEL1
Dependent Variable: ABNB ABNB



**Predictive Equation:**

The final equation for predicting Airbnb's stock price (ABNB) based on this model is:

$$\mathbf{ABNB} = 121.484 + 1.236\times(EBAY) + 0.717\times(CZR) + 0.586\times(DRI)$$

$$-1.609\times(SBUX) - 0.046\times(TSLA)$$

This equation allows us to input values for the EBAY, CZR, DRI, SBUX, and TSLA variables to predict the ABNB stock price. Given the low VIFs, the significant overall model, and the strong R-squared value, this model is deemed free from multicollinearity issues and capable of providing reliable predictions.

## CONCLUSION

The analysis concluded with a regression model predicting Airbnb's stock price with variables EBAY, CZR, DRI, and SBUX, which demonstrated a good fit with an R-squared of 0.6533. The model avoided multicollinearity, confirmed by low VIF scores. However, the inclusion of the TSLA variable, despite its higher p-value, was a limitation due to its marginal significance.

For further research, adding a qualitative variable such as the GICS Sub-Industry could differentiate the impact of various sectors on Airbnb's stock price. Repeating this analysis with more data, like macroeconomic factors or at different time frequencies, could also yield more nuanced insights. The future incorporation of such variables could refine the model's predictive capability and enhance its usefulness for strategic decision-making.

**APPENDIX**

**Code:**

```
%web_drop_table(WORK.IMPORT);


FILENAME REFFILE '/home/u63739262/sasuser.v94/ABNB/Stock
Selection.xlsx';

PROC IMPORT DATAFILE=REFFILE
     DBMS=XLSX
     OUT=WORK.STOCKS;
     GETNAMES=YES;
RUN;

PROC CONTENTS DATA=WORK.STOCKS; RUN;


%web_open_table(WORK.IMPORT);

proc univariate data=stocks;
   *var ABNB;
   histogram ABNB AMZN APTV AZO BBWI BBY BKNG BWA CCL CMG CZR DECK DHI
DPZ DRI EBAY ETSY EXPE F GM GPC GRMN HAS HD HLT KMX LEN LKQ LOW LULU
LVS MAR MCD MGM MHK NCLH NKE NVR ORLY PHM POOL RCL RL ROST SBUX TJX
TPR TSCO TSLA ULTA WYNN YUM;
   inset N MEAN STD / position=ne;
run;


proc means data= stocks;
     var ABNB AMZN APTV AZO BBWI BBY BKNG BWA CCL CMG CZR DECK DHI DPZ
DRI EBAY ETSY EXPE F GM GPC GRMN HAS HD HLT KMX LEN LKQ LOW LULU LVS
MAR MCD MGM MHK NCLH NKE NVR ORLY PHM POOL RCL RL ROST SBUX TJX TPR
TSCO TSLA ULTA WYNN YUM;;
     run;

proc corr data=STOCKS;
   var ABNB AMZN APTV AZO BBWI BBY BKNG BWA CCL CMG CZR DECK DHI DPZ
DRI EBAY ETSY EXPE F GM GPC GRMN HAS HD HLT KMX LEN LKQ LOW LULU LVS
MAR MCD MGM MHK NCLH NKE NVR ORLY PHM POOL RCL RL ROST SBUX TJX TPR
TSCO TSLA ULTA WYNN YUM;
   with ABNB;
run;
```

```
/* Scatterplot for ABNB vs Amazon (AMZN) */
proc sgplot data=STOCKS;
    scatter x=ABNB y=AMZN / markerattrs=(symbol=circlefilled
color=blue);
    title "Scatterplot of Airbnb (ABNB) vs Amazon (AMZN)";
run;

/* Scatterplot for ABNB vs Booking Holdings (BKNG) */
proc sgplot data=STOCKS;
    scatter x=ABNB y=BKNG / markerattrs=(symbol=circlefilled
color=red);
    title "Scatterplot of Airbnb (ABNB) vs Booking Holdings (BKNG)";
run;

*Bad Ones:;
/* Scatterplot for ABNB vs Ford Motor Company (F) */
proc sgplot data=STOCKS;
    scatter x=ABNB y=F / markerattrs=(symbol=circlefilled
color=green);
    title "Scatterplot of Airbnb (ABNB) vs Ford Motor Company (F)";
run;

/* Scatterplot for ABNB vs BorgWarner (BWA) */
proc sgplot data=STOCKS;
    scatter x=ABNB y=BWA / markerattrs=(symbol=circlefilled
color=black);
    title "Scatterplot of Airbnb (ABNB) vs BorgWarner (BWA)";
run;

/* Stepwise Regression on Airbnb Stock Prices */
proc reg data=STOCKS;
    model ABNB=AMZN APTV AZO BBWI BBY BKNG BWA CCL CMG CZR DECK DHI
DPZ DRI EBAY ETSY EXPE F GM GPC GRMN HAS HD HLT KMX LEN LKQ LOW LULU
LVS MAR MCD MGM MHK NCLH NKE NVR ORLY PHM POOL RCL RL ROST SBUX TJX
TPR TSCO TSLA ULTA WYNN YUM/vif;
    title "Stepwise Regression Analysis for Predicting Airbnb Stock
Prices";
run;

/* Refined Stepwise Regression for Airbnb Stock Prices */
proc reg data=STOCKS;
    model ABNB=AMZN CMG EBAY CZR DECK DRI HAS HD LKQ LOW LULU LVS NKE
ORLY POOL RCL RL ROST SBUX TSLA WYNN / selection=stepwise slentry=0.05
slstay=0.05;
```

```
    title "Refined Stepwise Regression Analysis for Predicting Airbnb
Stock Prices";
run;

/* Evaluation with R^2 */
proc reg data=stocks;
    model ABNB=AMZN EBAY CZR DECK DRI LOW RL SBUX TSLA /
selection=rsquare;
    title "Model Evaluation with R-Square";
run;

/* Evaluation with Adjusted R-Square */
proc reg data=STOCKS;
    model ABNB=AMZN EBAY CZR DECK DRI LOW RL SBUX TSLA /
selection=adjrsq;
    title "Model Evaluation with Adjusted R-Square";
run;

/* Evaluation with Cp Statistic */
proc reg data=STOCKS;
    model ABNB=AMZN EBAY CZR DECK DRI LOW RL SBUX TSLA / selection=cp;
    title "Model Evaluation with Cp Statistic";
run;

/* Evaluation with PRESS Statistic */
proc glmselect data=STOCKS;
    model ABNB=AMZN EBAY CZR DECK DRI LOW RL SBUX TSLA /
selection=stepwise(choose=press);
    title "Evaluation of Model Predicting Airbnb Stock Prices Using
PRESS Statistic";
run;

/* Variance Inflation Factor (VIF) Calculation for the model based on
the lowest PRESS statistic */
proc reg data=STOCKS;
    model ABNB = EBAY CZR DECK DRI LOW RL SBUX TSLA / vif;
    title "VIF Calculation for Selected Model Based on PRESS";
run;

/* Variance Inflation Factor (VIF) Calculation for the model based on
the lowest PRESS statistic */
proc reg data=STOCKS;
    model ABNB = EBAY CZR DRI SBUX TSLA / vif;
    title "VIF Calculation for Selected Model Based on PRESS";
run;
```

```
/* Creating a new dataset with interaction and second-order terms */
data stocks_2;
    set STOCKS;

    /* Second-order (Quadratic) terms */
    ebay2 = EBAY * EBAY;
    czr2 = CZR * CZR;
    dri2 = DRI * DRI;
    sbux2 = SBUX * SBUX;
    tsla2 = TSLA * TSLA;

    /* Interaction terms */
    ebay_czr = EBAY * CZR;
    ebay_dri = EBAY * DRI;
    ebay_sbux = EBAY * SBUX;
    ebay_tsla = EBAY * TSLA;

    czr_dri = CZR * DRI;
    czr_sbux = CZR * SBUX;
    czr_tsla = CZR * TSLA;

    dri_sbux = DRI * SBUX;
    dri_tsla = DRI * TSLA;

    sbux_tsla = SBUX * TSLA;
run;

/* Main Effects Model */
proc reg data=stocks_2;
    model ABNB = EBAY CZR DRI SBUX TSLA/vif;
    title "Main Effects Model";
run;

proc glm data=stocks_2;
    model ABNB = EBAY | CZR/solution ;
    title "Model Building for Airbnb Stock Price with Interaction
Terms";
    store out=GLMMODEL;
run;

proc plm restore=GLMMODEL noinfo;
    effectplot slicefit(x=EBAY sliceby=CZR);
run;


/* Model with Interaction Terms */
```

```
proc reg data=stocks_2;
    model ABNB = EBAY CZR DRI SBUX TSLA ebay_czr ebay_dri ebay_sbux
ebay_tsla  czr_sbux czr_tsla dri_sbux dri_tsla sbux_tsla/vif;
    test ebay_czr, ebay_dri, ebay_sbux, ebay_tsla,
         czr_sbux, czr_tsla, dri_sbux, dri_tsla, sbux_tsla;
    title "Model with Interaction Terms";
run;


/* Model with Second-Order (Quadratic) Terms */
proc reg data=stocks_2;
    model ABNB = EBAY CZR DRI SBUX TSLA ebay2 czr2 dri2 sbux2
tsla2/vif;
    test ebay2, czr2, dri2, sbux2, tsla2;
    title "Model with Quadratic Terms";
run;
```

**OUTPUT**

## The CONTENTS Procedure

| | | | |
|---|---|---|---|
| **Data Set Name** | WORK.STOCKS | **Observations** | 249 |
| **Member Type** | DATA | **Variables** | 53 |
| **Engine** | V9 | **Indexes** | 0 |
| **Created** | 05/03/2024 05:22:04 | **Observation Length** | 424 |
| **Last Modified** | 05/03/2024 05:22:04 | **Deleted Observations** | 0 |
| **Protection** | | **Compressed** | NO |
| **Data Set Type** | | **Sorted** | NO |
| **Label** | | | |
| **Data Representation** | SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64 | | |
| **Encoding** | utf-8 Unicode (UTF-8) | | |

| Engine/Host Dependent Information | |
|---|---|
| **Data Set Page Size** | 131072 |
| **Number of Data Set Pages** | 1 |
| **First Data Page** | 1 |
| **Max Obs per Page** | 308 |
| **Obs in First Data Page** | 249 |
| **Number of Data Set Repairs** | 0 |
| **Filename** | /saswork/SAS_workCC1B000060EA_odaws02-usw2-2.oda.sas.com/SAS_work1CA0000060EA_odaws02-usw2-2.oda.sas.com/stocks.sas7bdat |
| **Release Created** | 9.0401M7 |
| **Host Created** | Linux |
| **Inode Number** | 1140851001 |
| **Access Permission** | rw-r--r-- |
| **Owner Name** | u63739262 |
| **File Size** | 256KB |
| **File Size (bytes)** | 262144 |

**Alphabetic List of Variables and Attributes**

| # | Variable | Type | Len | Format | Label |
|---|---|---|---|---|---|
| 2 | ABNB | Num | 8 | BEST. | ABNB |
| 3 | AMZN | Num | 8 | BEST. | AMZN |
| 4 | APTV | Num | 8 | BEST. | APTV |
| 5 | AZO | Num | 8 | BEST. | AZO |
| 6 | BBWI | Num | 8 | BEST. | BBWI |
| 7 | BBY | Num | 8 | BEST. | BBY |
| 8 | BKNG | Num | 8 | BEST. | BKNG |
| 9 | BWA | Num | 8 | BEST. | BWA |
| 12 | CCL | Num | 8 | BEST. | CCL |
| 13 | CMG | Num | 8 | BEST. | CMG |
| 10 | CZR | Num | 8 | BEST. | CZR |
| 15 | DECK | Num | 8 | BEST. | DECK |
| 17 | DHI | Num | 8 | BEST. | DHI |
| 16 | DPZ | Num | 8 | BEST. | DPZ |
| 14 | DRI | Num | 8 | BEST. | DRI |
| 1 | Date | Num | 8 | MMDDYY10. | Date |
| 18 | EBAY | Num | 8 | BEST. | EBAY |
| 19 | ETSY | Num | 8 | BEST. | ETSY |
| 20 | EXPE | Num | 8 | BEST. | EXPE |
| 21 | F | Num | 8 | BEST. | F |
| 23 | GM | Num | 8 | BEST. | GM |
| 24 | GPC | Num | 8 | BEST. | GPC |
| 22 | GRMN | Num | 8 | BEST. | GRMN |
| 25 | HAS | Num | 8 | BEST. | HAS |
| 27 | HD | Num | 8 | BEST. | HD |
| 26 | HLT | Num | 8 | BEST. | HLT |
| 11 | KMX | Num | 8 | BEST. | KMX |
| 29 | LEN | Num | 8 | BEST. | LEN |
| 30 | LKQ | Num | 8 | BEST. | LKQ |
| 31 | LOW | Num | 8 | BEST. | LOW |
| 32 | LULU | Num | 8 | BEST. | LULU |
| 28 | LVS | Num | 8 | BEST. | LVS |
| 33 | MAR | Num | 8 | BEST. | MAR |
| 34 | MCD | Num | 8 | BEST. | MCD |
| 35 | MGM | Num | 8 | BEST. | MGM |
| 36 | MHK | Num | 8 | BEST. | MHK |
| 38 | NCLH | Num | 8 | BEST. | NCLH |
| 37 | NKE | Num | 8 | BEST. | NKE |
| 39 | NVR | Num | 8 | BEST. | NVR |
| 40 | ORLY | Num | 8 | BEST. | ORLY |
| 42 | PHM | Num | 8 | BEST. | PHM |
| 41 | POOL | Num | 8 | BEST. | POOL |
| 45 | RCL | Num | 8 | BEST. | RCL |
| 43 | RL | Num | 8 | BEST. | RL |
| 44 | ROST | Num | 8 | BEST. | ROST |

| Alphabetic List of Variables and Attributes | | | | | |
|---|---|---|---|---|---|
| # | Variable | Type | Len | Format | Label |
| 46 | SBUX | Num | 8 | BEST. | SBUX |
| 49 | TJX | Num | 8 | BEST. | TJX |
| 47 | TPR | Num | 8 | BEST. | TPR |
| 50 | TSCO | Num | 8 | BEST. | TSCO |
| 48 | TSLA | Num | 8 | BEST. | TSLA |
| 51 | ULTA | Num | 8 | BEST. | ULTA |
| 52 | WYNN | Num | 8 | BEST. | WYNN |
| 53 | YUM | Num | 8 | BEST. | YUM |

---

**The UNIVARIATE Procedure**
**Variable: Date (Date)**

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 23282.9357 | Sum Observations | 5797451 |
| Std Deviation | 104.75688 | Variance | 10974.0039 |
| Skewness | 0.00835964 | Kurtosis | -1.1875441 |
| Uncorrected SS | 1.34984E11 | Corrected SS | 2721552.97 |
| Coeff Variation | 0.44992986 | Std Error Mean | 6.63869753 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 23282.94 | Std Deviation | 104.75688 |
| Median | 23282.00 | Variance | 10974 |
| Mode | . | Range | 360.00000 |
| | | Interquartile Range | 178.00000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 3507.154 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 23463 |
| 99% | 23461 |
| 95% | 23447 |
| 90% | 23429 |
| 75% Q3 | 23372 |
| 50% Median | 23282 |
| 25% Q1 | 23194 |
| 10% | 23138 |
| 5% | 23120 |
| 1% | 23105 |
| 0% Min | 23103 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 23103 | 1 | 23457 | 245 |
| 23104 | 2 | 23460 | 246 |
| 23105 | 3 | 23461 | 247 |
| 23106 | 4 | 23462 | 248 |
| 23110 | 5 | 23463 | 249 |

---

**The UNIVARIATE Procedure**
**Variable: ABNB (ABNB)**

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 133.767791 | Sum Observations | 33308.18 |
| Std Deviation | 15.3263562 | Variance | 234.897193 |
| Skewness | 0.27059083 | Kurtosis | -0.5694417 |
| Uncorrected SS | 4513816.17 | Corrected SS | 58254.5039 |
| Coeff Variation | 11.4574338 | Std Error Mean | 0.97126836 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 133.7678 | Std Deviation | 15.32636 |
| Median | 132.6900 | Variance | 234.89719 |
| Mode | 115.5000 | Range | 63.76000 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| | | Interquartile Range | 22.55000 |

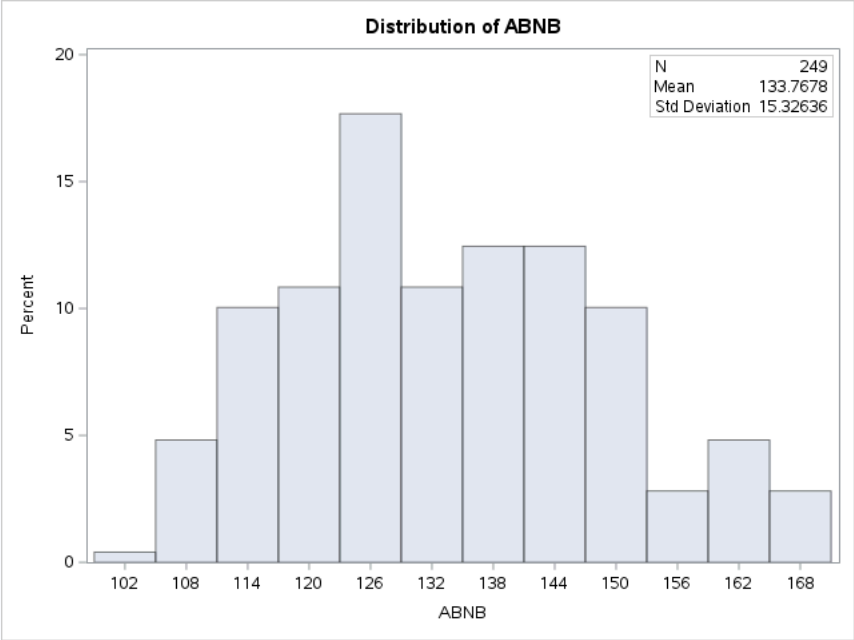
| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 137.7249 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 168.18 |
| 99% | 167.86 |
| 95% | 163.54 |
| 90% | 153.43 |
| 75% Q3 | 144.56 |
| 50% Median | 132.69 |
| 25% Q1 | 122.01 |
| 10% | 114.65 |
| 5% | 109.93 |
| 1% | 105.41 |
| 0% Min | 104.42 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 104.420 | 38 | 166.67 | 237 |
| 105.275 | 29 | 167.39 | 247 |
| 105.410 | 31 | 167.86 | 245 |
| 105.710 | 37 | 167.99 | 246 |
| 105.780 | 30 | 168.18 | 244 |

---

The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: AMZN (AMZN)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 138.696868 | Sum Observations | 34535.52 |
| Std Deviation | 20.8658906 | Variance | 435.385389 |
| Skewness | 0.22651395 | Kurtosis | -0.5262048 |
| Uncorrected SS | 4897944.03 | Corrected SS | 107975.577 |
| Coeff Variation | 15.0442407 | Std Error Mean | 1.32232209 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 138.6969 | Std Deviation | 20.86589 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Median | 135.3600 | Variance | 435.38539 |
| Mode | 125.9800 | Range | 82.55000 |
| | | Interquartile Range | 25.28000 |

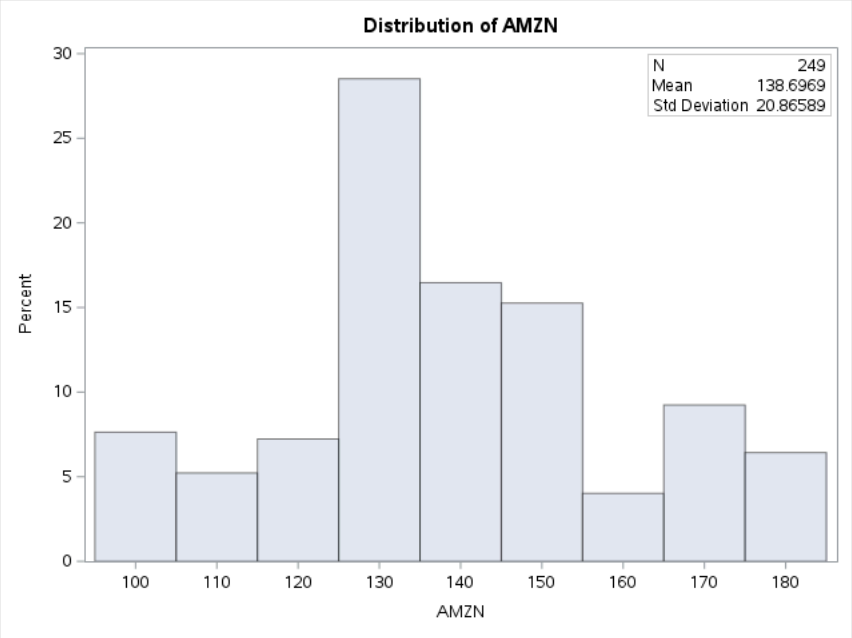
| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 104.8889 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 180.38 |
| 99% | 179.71 |
| 95% | 176.56 |
| 90% | 173.51 |
| 75% Q3 | 151.94 |
| 50% Median | 135.36 |
| 25% Q1 | 126.66 |
| 10% | 106.96 |
| 5% | 103.63 |
| 1% | 101.10 |
| 0% Min | 97.83 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 97.83 | 7 | 178.75 | 239 |
| 99.92 | 6 | 178.87 | 245 |
| 101.10 | 3 | 179.71 | 246 |
| 102.05 | 20 | 179.83 | 248 |
| 102.06 | 4 | 180.38 | 249 |

---

The UNIVARIATE Procedure




---

The UNIVARIATE Procedure
Variable: APTV (APTV)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 92.3150602 | Sum Observations | 22986.45 |
| Std Deviation | 10.6571579 | Variance | 113.575015 |
| Skewness | 0.03923752 | Kurtosis | -1.277925 |
| Uncorrected SS | 2150162.12 | Corrected SS | 28166.6037 |
| Coeff Variation | 11.544333 | Std Error Mean | 0.67536994 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 92.31506 | Std Deviation | 10.65716 |
| Median | 93.37000 | Variance | 113.57501 |
| Mode | 78.77000 | Range | 39.59000 |
| | | Interquartile Range | 19.64000 |

Note: The mode displayed is the smallest of 14 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 136.6881 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 112.40 |
| 99% | 111.01 |
| 95% | 109.25 |
| 90% | 107.15 |
| 75% Q3 | 101.28 |
| 50% Median | 93.37 |
| 25% Q1 | 81.64 |
| 10% | 78.72 |
| 5% | 77.52 |
| 1% | 74.45 |
| 0% Min | 72.81 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 72.81 | 154 | 110.39 | 79 |
| 73.96 | 153 | 110.49 | 1 |
| 74.45 | 151 | 111.01 | 71 |
| 75.43 | 156 | 112.37 | 70 |
| 75.72 | 152 | 112.40 | 69 |

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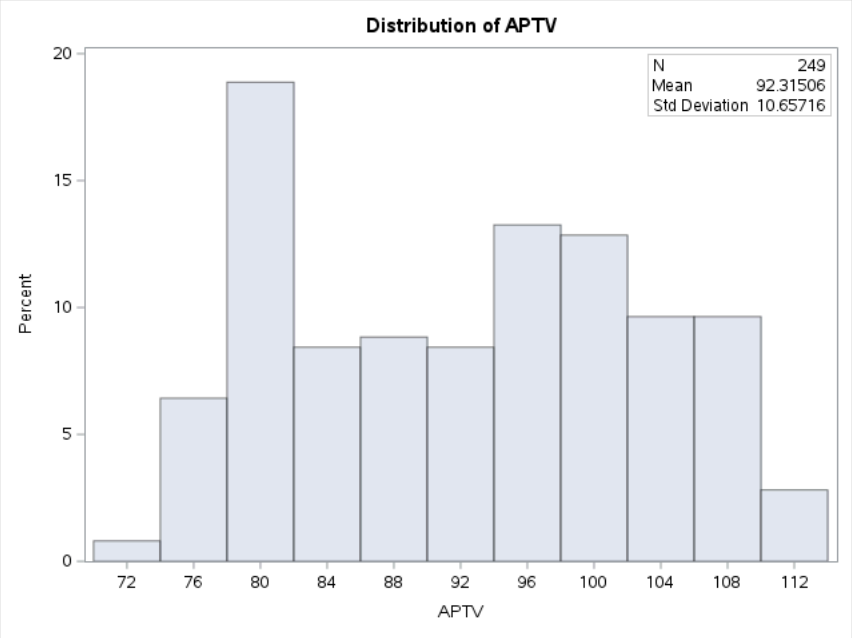
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: AZO (AZO)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 2626.37365 | Sum Observations | 653967.04 |
| Std Deviation | 189.33995 | Variance | 35849.6166 |
| Skewness | 1.42451566 | Kurtosis | 1.90741249 |
| Uncorrected SS | 1726452507 | Corrected SS | 8890704.91 |

| Moments | | | |
|---|---|---|---|
| Coeff Variation | 7.20917793 | Std Error Mean | 11.9989318 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 2626.374 | Std Deviation | 189.33995 |
| Median | 2574.540 | Variance | 35850 |
| Mode | . | Range | 932.67017 |
| | | Interquartile Range | 195.27002 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 218.884 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 3239.32 |
| 99% | 3192.79 |
| 95% | 3102.86 |
| 90% | 2838.66 |
| 75% Q3 | 2688.00 |
| 50% Median | 2574.54 |
| 25% Q1 | 2492.73 |
| 10% | 2449.80 |
| 5% | 2423.62 |
| 1% | 2339.95 |
| 0% Min | 2306.65 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 2306.65 | 46 | 3187.38 | 243 |
| 2323.05 | 45 | 3191.48 | 247 |
| 2339.95 | 44 | 3192.79 | 248 |
| 2360.61 | 47 | 3210.40 | 244 |
| 2363.19 | 48 | 3239.32 | 245 |

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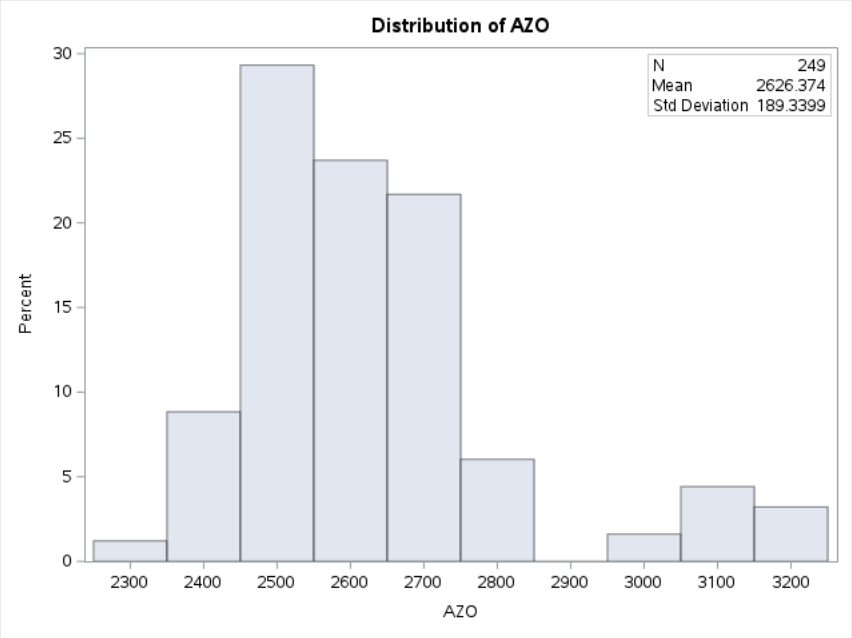
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: BBWI (BBWI)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 37.8402812 | Sum Observations | 9422.23001 |
| Std Deviation | 5.14521711 | Variance | 26.4732591 |
| Skewness | 0.27330083 | Kurtosis | -0.7819173 |

| Moments | | | |
|---|---|---|---|
| Uncorrected SS | 363105.201 | Corrected SS | 6565.36827 |
| Coeff Variation | 13.5971958 | Std Error Mean | 0.32606489 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 37.84028 | Std Deviation | 5.14522 |
| Median | 37.01000 | Variance | 26.47326 |
| Mode | 36.99000 | Range | 21.90000 |
| | | Interquartile Range | 7.88000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 116.0514 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 50.02 |
| 99% | 48.33 |
| 95% | 46.69 |
| 90% | 45.50 |
| 75% Q3 | 42.43 |
| 50% Median | 37.01 |
| 25% Q1 | 34.55 |
| 10% | 31.11 |
| 5% | 29.73 |
| 1% | 28.69 |
| 0% Min | 28.12 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 28.12 | 143 | 48.10 | 243 |
| 28.29 | 145 | 48.27 | 244 |
| 28.69 | 144 | 48.33 | 228 |
| 28.84 | 142 | 49.45 | 248 |
| 29.06 | 161 | 50.02 | 249 |

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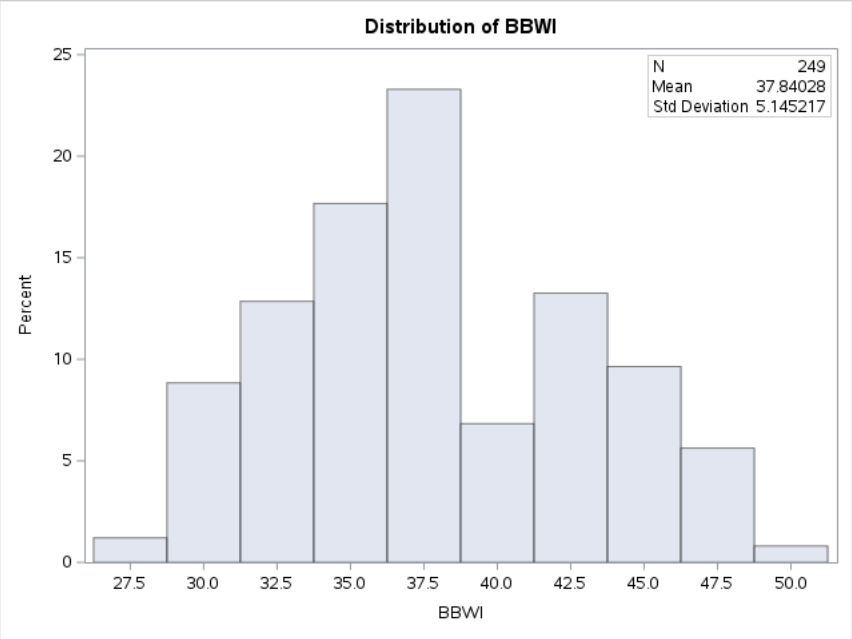
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: BBY (BBY)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 74.6114456 | Sum Observations | 18578.25 |
| Std Deviation | 4.68729239 | Variance | 21.97071 |

| Moments | | | |
|---|---|---|---|
| Skewness | -0.0236907 | Kurtosis | -0.4322246 |
| Uncorrected SS | 1391598.82 | Corrected SS | 5448.73607 |
| Coeff Variation | 6.2822699 | Std Error Mean | 0.29704509 |

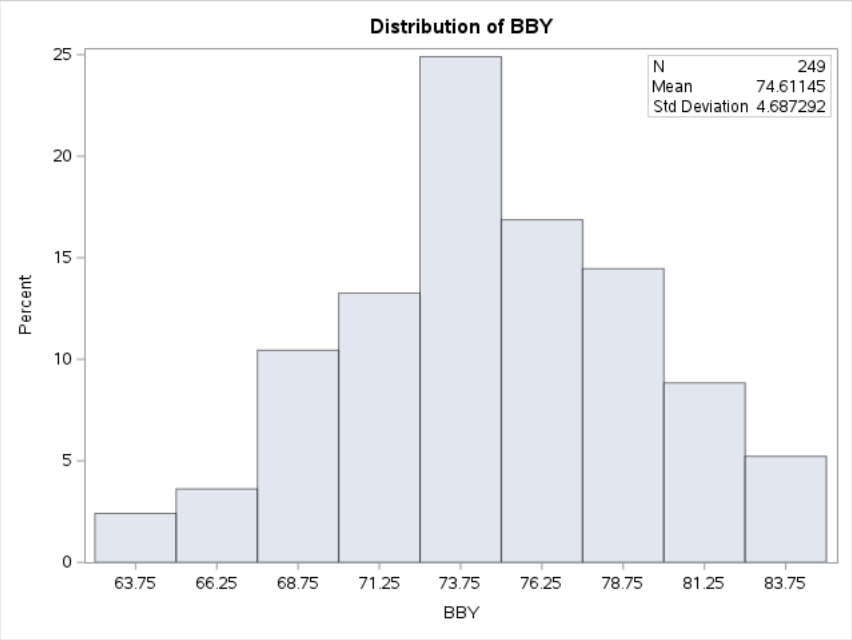
| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 74.61145 | Std Deviation | 4.68729 |
| Median | 74.33000 | Variance | 21.97071 |
| Mode | 72.67000 | Range | 22.07000 |
| | | Interquartile Range | 6.57999 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 251.1789 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 84.95 |
| 99% | 84.22 |
| 95% | 82.76 |
| 90% | 81.24 |
| 75% Q3 | 78.02 |
| 50% Median | 74.33 |
| 25% Q1 | 71.44 |
| 10% | 68.22 |
| 5% | 66.82 |
| 1% | 63.94 |
| 0% Min | 62.88 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 62.88 | 154 | 83.62 | 75 |
| 63.84 | 156 | 84.22 | 74 |
| 63.94 | 153 | 84.22 | 79 |
| 64.12 | 155 | 84.79 | 77 |
| 64.41 | 145 | 84.95 | 78 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: BKNG (BKNG)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 3085.72212 | Sum Observations | 768344.809 |

| Moments | | | |
|---|---|---|---|
| Std Deviation | 361.258906 | Variance | 130507.997 |
| Skewness | 0.2084184 | Kurtosis | -1.1546264 |
| Uncorrected SS | 2403264557 | Corrected SS | 32365983.3 |
| Coeff Variation | 11.7074348 | Std Error Mean | 22.893853 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 3085.722 | Std Deviation | 361.25891 |
| Median | 3074.230 | Variance | 130508 |
| Mode | 2597.370 | Range | 1393 |
| | | Interquartile Range | 746.79004 |

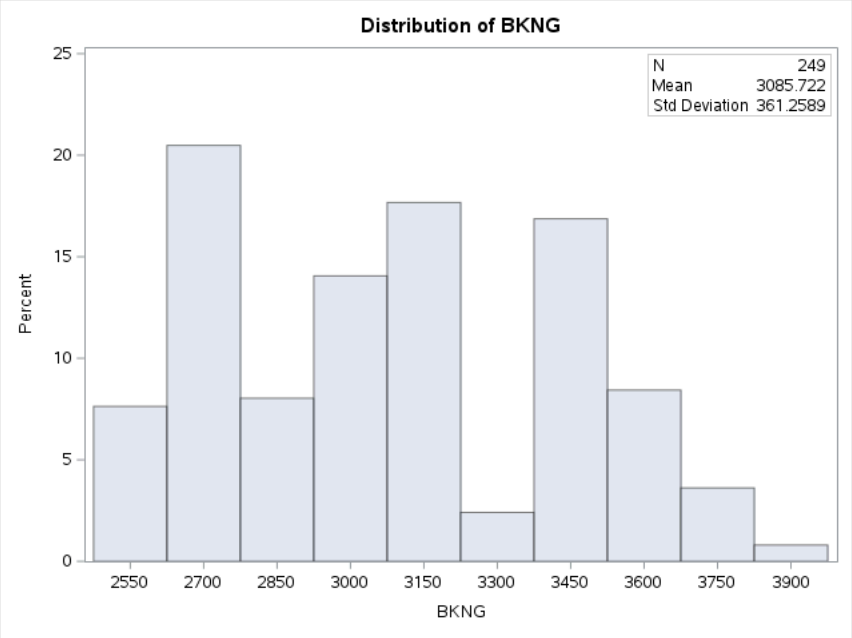
Note: The mode displayed is the smallest of 2 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 134.7839 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 3901.99 |
| 99% | 3790.23 |
| 95% | 3661.08 |
| 90% | 3555.15 |
| 75% Q3 | 3462.84 |
| 50% Median | 3074.23 |
| 25% Q1 | 2716.05 |
| 10% | 2634.91 |
| 5% | 2605.34 |
| 1% | 2547.25 |
| 0% Min | 2508.77 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 2508.77 | 41 | 3750.66 | 220 |
| 2528.77 | 40 | 3758.18 | 216 |
| 2547.25 | 7 | 3790.23 | 217 |
| 2550.00 | 42 | 3840.22 | 215 |
| 2566.47 | 6 | 3901.99 | 224 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: BWA (BWA)

| Moments |
|---|

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 38.0003005 | Sum Observations | 9462.07482 |
| Std Deviation | 4.43161617 | Variance | 19.6392219 |
| Skewness | -0.0163293 | Kurtosis | -1.1159181 |
| Uncorrected SS | 364432.214 | Corrected SS | 4870.52703 |
| Coeff Variation | 11.6620556 | Std Error Mean | 0.28084226 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 38.00030 | Std Deviation | 4.43162 |
| Median | 39.25000 | Variance | 19.63922 |
| Mode | 40.76000 | Range | 16.79000 |
| | | Interquartile Range | 7.42000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 135.3083 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 46.9500 |
| 99% | 46.4700 |
| 95% | 45.6500 |
| 90% | 43.0194 |
| 75% Q3 | 41.2500 |
| 50% Median | 39.2500 |
| 25% Q1 | 33.8300 |
| 10% | 32.1300 |
| 5% | 31.1500 |
| 1% | 30.2700 |
| 0% Min | 30.1600 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 30.16 | 222 | 46.40 | 69 |
| 30.17 | 226 | 46.40 | 79 |
| 30.27 | 223 | 46.47 | 83 |
| 30.41 | 225 | 46.50 | 82 |
| 30.51 | 224 | 46.95 | 70 |

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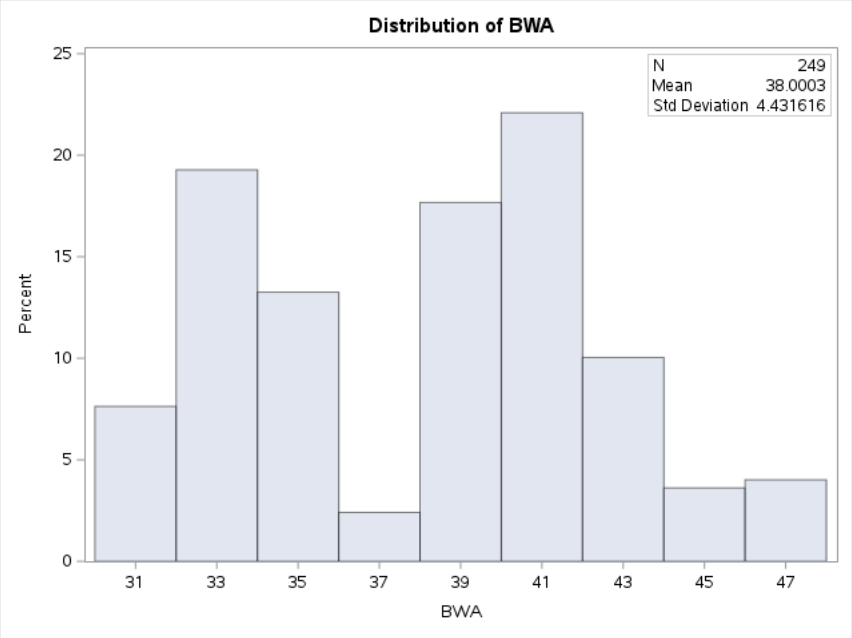
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: CZR (CZR)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 46.5801405 | Sum Observations | 11598.455 |
| Std Deviation | 4.74288158 | Variance | 22.4949257 |
| Skewness | 0.84233498 | Kurtosis | -0.0991064 |
| Uncorrected SS | 545836.405 | Corrected SS | 5578.74157 |
| Coeff Variation | 10.1821968 | Std Error Mean | 0.30056791 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 46.58014 | Std Deviation | 4.74288 |
| Median | 45.29000 | Variance | 22.49493 |
| Mode | 43.41000 | Range | 20.84000 |
| | | Interquartile Range | 5.75000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 154.9738 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 59.38 |
| 99% | 58.10 |
| 95% | 56.15 |
| 90% | 54.07 |
| 75% Q3 | 49.16 |
| 50% Median | 45.29 |
| 25% Q1 | 43.41 |
| 10% | 41.57 |
| 5% | 40.99 |
| 1% | 39.14 |
| 0% Min | 38.54 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 38.54 | 143 | 57.80 | 80 |
| 38.76 | 144 | 57.94 | 81 |
| 39.14 | 145 | 58.10 | 78 |
| 39.17 | 240 | 59.02 | 82 |
| 39.47 | 148 | 59.38 | 79 |

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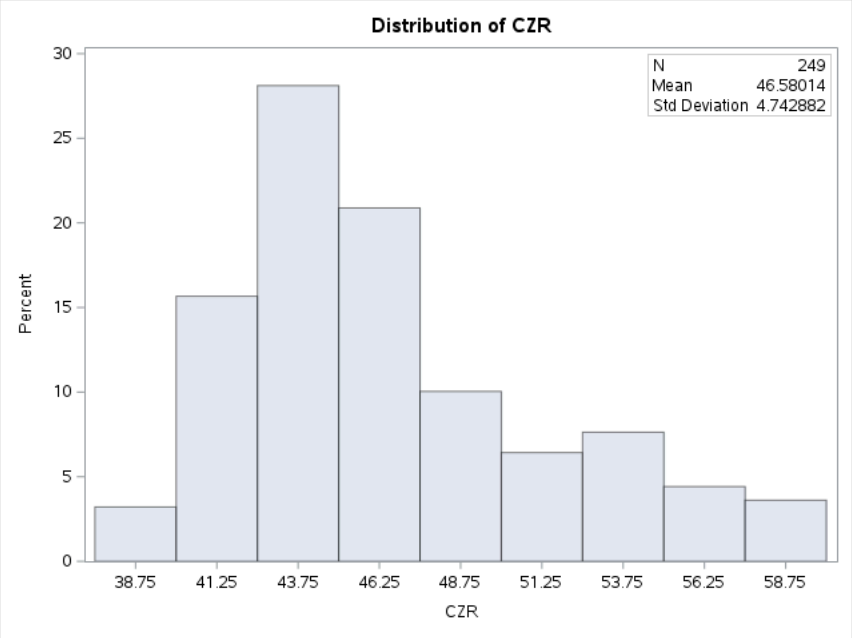
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: KMX (KMX)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 74.4864257 | Sum Observations | 18547.12 |
| Std Deviation | 7.18500394 | Variance | 51.6242817 |
| Skewness | -0.0745014 | Kurtosis | -1.1838871 |
| Uncorrected SS | 1394311.5 | Corrected SS | 12802.8219 |
| Coeff Variation | 9.64605816 | Std Error Mean | 0.45533112 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 74.48643 | Std Deviation | 7.18500 |
| Median | 73.13000 | Variance | 51.62428 |
| Mode | 72.21000 | Range | 26.72000 |
| | | Interquartile Range | 12.19000 |

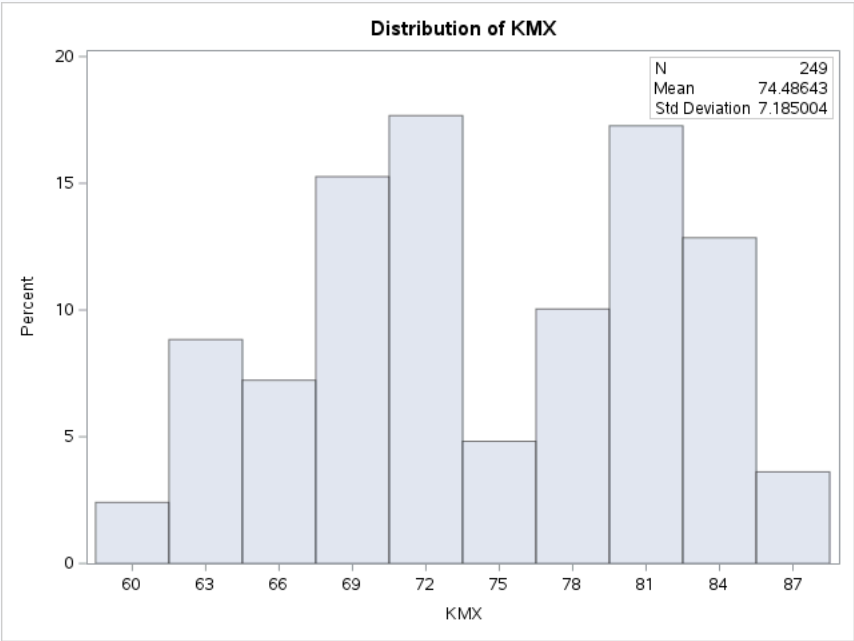
Note: The mode displayed is the smallest of 2 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 163.5874 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 87.11 |
| 99% | 86.44 |
| 95% | 85.14 |
| 90% | 83.70 |
| 75% Q3 | 81.18 |
| 50% Median | 73.13 |
| 25% Q1 | 68.99 |
| 10% | 64.16 |
| 5% | 63.37 |
| 1% | 60.53 |
| 0% Min | 60.39 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 60.39 | 144 | 85.83 | 88 |
| 60.51 | 145 | 86.21 | 57 |
| 60.53 | 143 | 86.44 | 244 |
| 60.67 | 146 | 86.98 | 248 |
| 61.09 | 147 | 87.11 | 249 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: CCL (CCL)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 14.763976 | Sum Observations | 3676.23001 |
| Std Deviation | 2.82572302 | Variance | 7.9847106 |
| Skewness | -0.4998493 | Kurtosis | -0.8618279 |
| Uncorrected SS | 56255.9797 | Corrected SS | 1980.20823 |
| Coeff Variation | 19.1393093 | Std Error Mean | 0.17907292 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 14.76398 | Std Deviation | 2.82572 |
| Median | 15.59000 | Variance | 7.98471 |
| Mode | 15.71000 | Range | 10.54000 |
| | | Interquartile Range | 4.40000 |

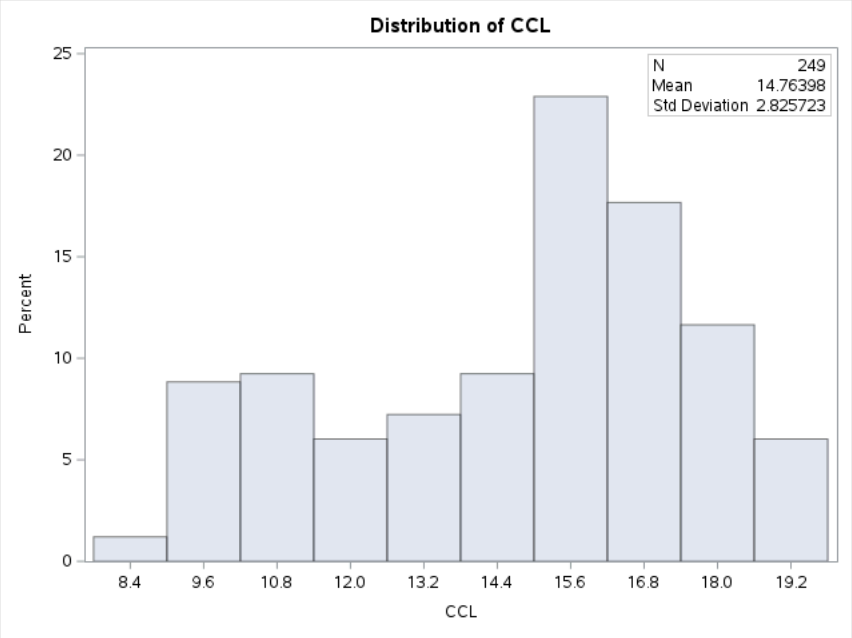
Note: The mode displayed is the smallest of 3 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 82.44673 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 19.30 |
| 99% | 19.19 |
| 95% | 18.67 |
| 90% | 18.11 |
| 75% Q3 | 16.96 |
| 50% Median | 15.59 |
| 25% Q1 | 12.56 |
| 10% | 10.04 |
| 5% | 9.62 |
| 1% | 8.96 |
| 0% Min | 8.76 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 8.76 | 17 | 18.96 | 63 |
| 8.90 | 18 | 19.04 | 66 |
| 8.96 | 16 | 19.19 | 183 |
| 9.21 | 19 | 19.21 | 64 |
| 9.28 | 15 | 19.30 | 67 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: CMG (CMG)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 2138.46301 | Sum Observations | 532477.291 |
| Std Deviation | 295.600155 | Variance | 87379.4519 |
| Skewness | 0.90025221 | Kurtosis | 0.12772637 |
| Uncorrected SS | 1160353096 | Corrected SS | 21670104.1 |
| Coeff Variation | 13.8230193 | Std Error Mean | 18.7328987 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 2138.463 | Std Deviation | 295.60016 |
| Median | 2067.620 | Variance | 87379 |
| Mode | 2058.120 | Range | 1270 |
| | | Interquartile Range | 377.65991 |

Note: The mode displayed is the smallest of 2 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 114.1555 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 2955.53 |
| 99% | 2906.77 |
| 95% | 2720.30 |
| 90% | 2646.72 |
| 75% Q3 | 2286.96 |
| 50% Median | 2067.62 |
| 25% Q1 | 1909.30 |
| 10% | 1829.51 |
| 5% | 1781.48 |
| 1% | 1695.77 |
| 0% Min | 1685.21 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 1685.21 | 4 | 2903.44 | 246 |
| 1691.56 | 5 | 2904.98 | 244 |
| 1695.77 | 7 | 2906.77 | 249 |
| 1697.42 | 3 | 2923.46 | 248 |
| 1714.06 | 6 | 2955.53 | 247 |

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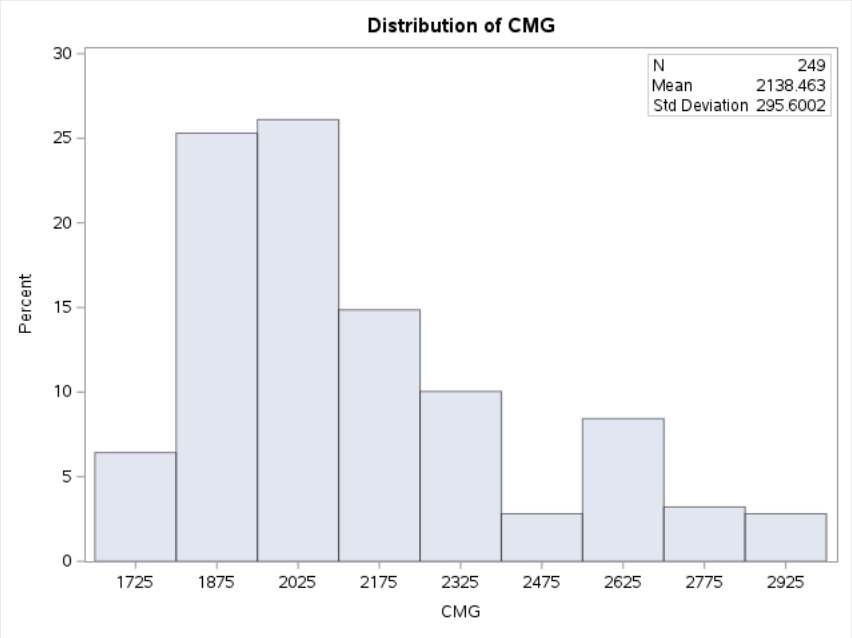
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: DRI (DRI)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 158.202289 | Sum Observations | 39392.37 |
| Std Deviation | 9.28220705 | Variance | 86.1593677 |
| Skewness | -0.4767652 | Kurtosis | -0.4835615 |
| Uncorrected SS | 6253330.65 | Corrected SS | 21367.5232 |
| Coeff Variation | 5.86730261 | Std Error Mean | 0.58823597 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 158.2023 | Std Deviation | 9.28221 |
| Median | 161.0000 | Variance | 86.15937 |
| Mode | 153.0900 | Range | 41.89000 |
| | | Interquartile Range | 13.28999 |

Note: The mode displayed is the smallest of 15 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 268.9436 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 175.89 |
| 99% | 174.57 |
| 95% | 171.77 |
| 90% | 169.51 |
| 75% Q3 | 164.79 |
| 50% Median | 161.00 |
| 25% Q1 | 151.50 |
| 10% | 143.22 |
| 5% | 141.20 |
| 1% | 136.94 |
| 0% Min | 134.00 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 134.00 | 135 | 174.09 | 242 |
| 134.25 | 134 | 174.41 | 232 |
| 136.94 | 130 | 174.57 | 238 |
| 137.08 | 131 | 174.58 | 243 |
| 137.52 | 133 | 175.89 | 233 |

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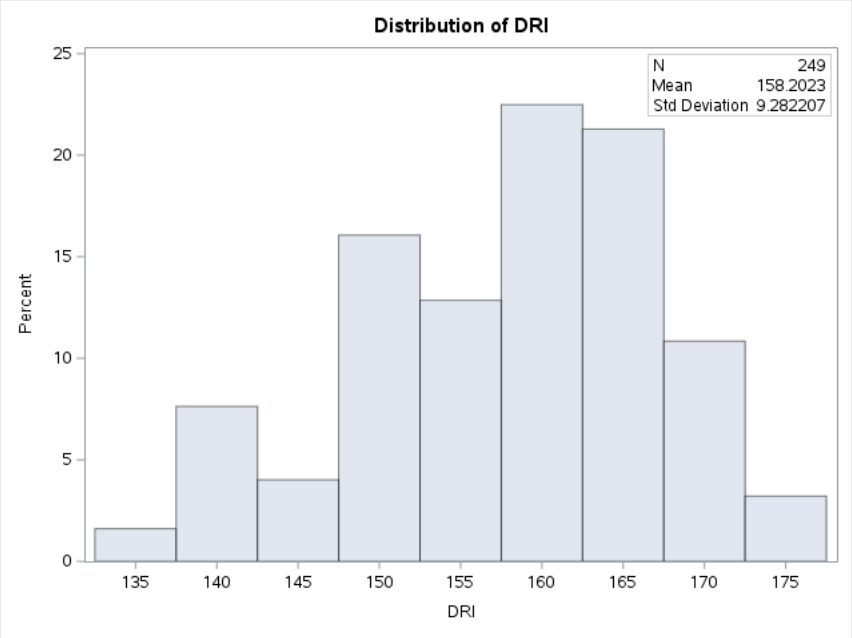
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: DECK (DECK)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 614.06088 | Sum Observations | 152901.159 |
| Std Deviation | 145.227715 | Variance | 21091.0891 |
| Skewness | 0.94357454 | Kurtosis | -0.3819538 |
| Uncorrected SS | 99121210.5 | Corrected SS | 5230590.1 |
| Coeff Variation | 23.6503772 | Std Error Mean | 9.20343246 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 614.0609 | Std Deviation | 145.22771 |
| Median | 548.0800 | Variance | 21091 |
| Mode | 908.8600 | Range | 512.61002 |
| | | Interquartile Range | 195.57004 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 66.72085 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 952.94 |
| 99% | 937.90 |
| 95% | 912.20 |
| 90% | 880.48 |
| 75% Q3 | 697.84 |
| 50% Median | 548.08 |
| 25% Q1 | 502.27 |
| 10% | 477.44 |
| 5% | 463.11 |
| 1% | 448.79 |
| 0% Min | 440.33 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 440.33 | 37 | 933.05 | 239 |
| 446.39 | 4 | 937.45 | 247 |
| 448.79 | 36 | 937.90 | 248 |
| 449.18 | 3 | 941.26 | 249 |
| 450.01 | 38 | 952.94 | 244 |

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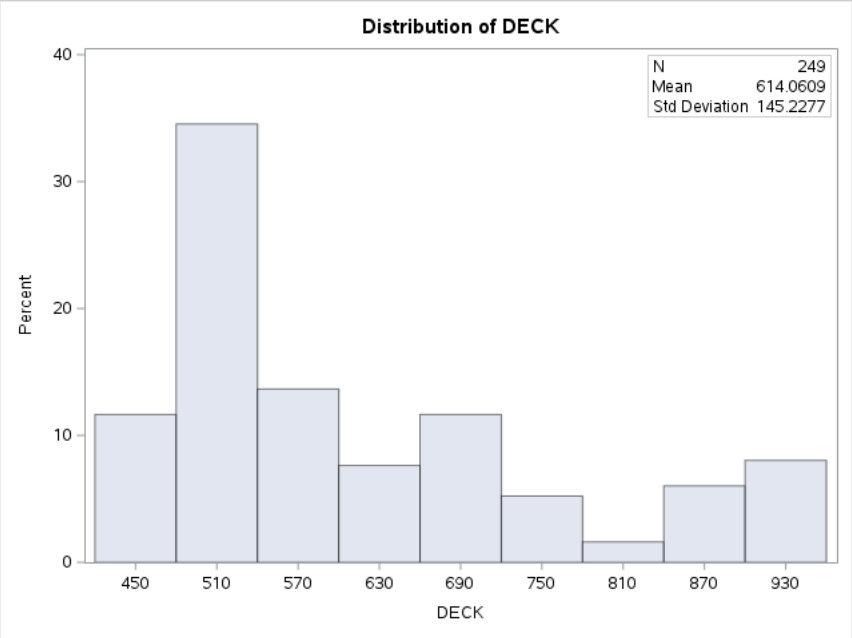
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: DPZ (DPZ)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 377.157107 | Sum Observations | 93912.1197 |
| Std Deviation | 45.8538145 | Variance | 2102.5723 |
| Skewness | -0.0295565 | Kurtosis | -0.7534794 |
| Uncorrected SS | 35941061.3 | Corrected SS | 521437.931 |
| Coeff Variation | 12.157749 | Std Error Mean | 2.90586742 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 377.1571 | Std Deviation | 45.85381 |
| Median | 384.6600 | Variance | 2103 |
| Mode | 394.9000 | Range | 207.03000 |
| | | Interquartile Range | 72.13998 |

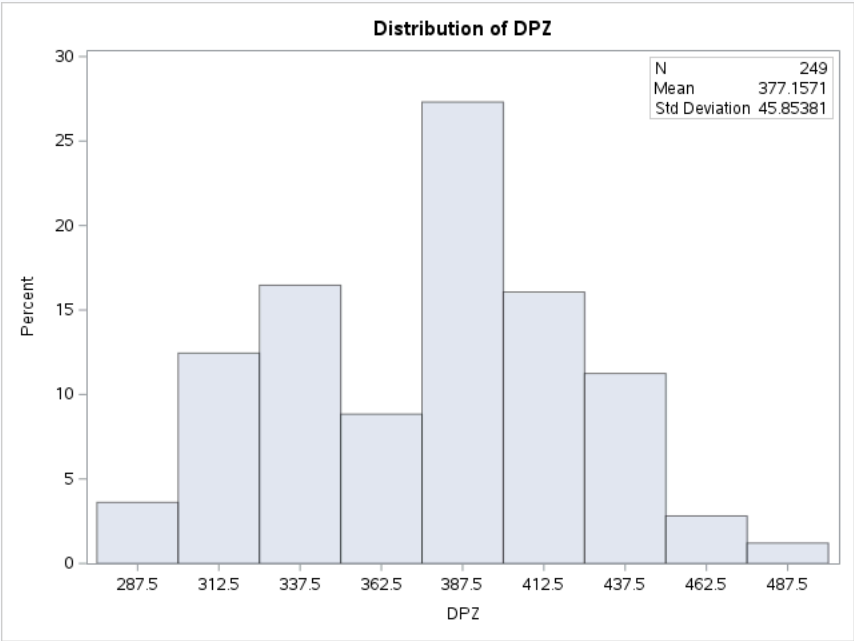
Note: The mode displayed is the smallest of 3 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 129.7916 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 496.88 |
| 99% | 483.00 |
| 95% | 448.35 |
| 90% | 434.74 |
| 75% Q3 | 408.80 |
| 50% Median | 384.66 |
| 25% Q1 | 336.66 |
| 10% | 308.94 |
| 5% | 303.19 |
| 1% | 296.67 |
| 0% Min | 289.85 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 289.85 | 41 | 459.00 | 226 |
| 291.39 | 40 | 465.11 | 246 |
| 296.67 | 42 | 483.00 | 247 |
| 297.56 | 46 | 492.13 | 248 |
| 297.74 | 45 | 496.88 | 249 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: DHI (DHI)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 125.395984 | Sum Observations | 31223.6001 |
| Std Deviation | 18.2015119 | Variance | 331.295035 |
| Skewness | 0.3794714 | Kurtosis | -1.1105975 |
| Uncorrected SS | 3997475.23 | Corrected SS | 82161.1688 |
| Coeff Variation | 14.5152271 | Std Error Mean | 1.15347395 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 125.3960 | Std Deviation | 18.20151 |
| Median | 121.6900 | Variance | 331.29504 |
| Mode | 100.6600 | Range | 68.91000 |
| | | Interquartile Range | 34.32000 |

Note: The mode displayed is the smallest of 6 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 108.7116 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 164.55 |
| 99% | 161.82 |
| 95% | 154.98 |
| 90% | 151.98 |
| 75% Q3 | 143.47 |
| 50% Median | 121.69 |
| 25% Q1 | 109.15 |
| 10% | 103.79 |
| 5% | 101.24 |
| 1% | 97.39 |
| 0% Min | 95.64 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 95.64 | 4 | 159.78 | 246 |
| 96.22 | 5 | 161.40 | 244 |
| 97.39 | 3 | 161.82 | 245 |
| 97.41 | 2 | 162.05 | 248 |
| 97.98 | 8 | 164.55 | 249 |

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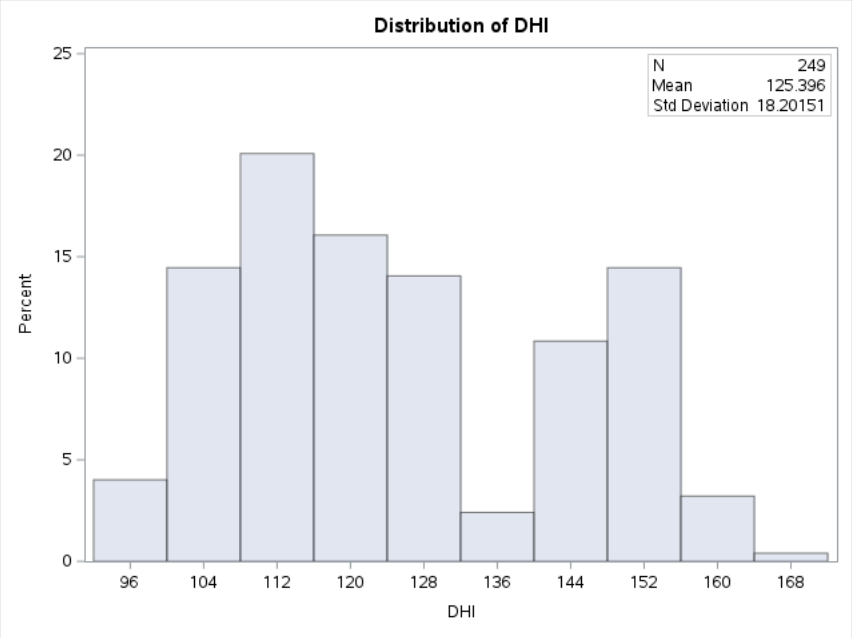
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: EBAY (EBAY)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 43.9429315 | Sum Observations | 10941.79 |
| Std Deviation | 2.89356491 | Variance | 8.37271791 |
| Skewness | 1.10186025 | Kurtosis | 1.51509545 |
| Uncorrected SS | 482890.761 | Corrected SS | 2076.43404 |
| Coeff Variation | 6.58482448 | Std Error Mean | 0.18337223 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 43.94293 | Std Deviation | 2.89356 |
| Median | 43.59000 | Variance | 8.37272 |
| Mode | 43.62000 | Range | 14.79000 |
| | | Interquartile Range | 2.35000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 239.6379 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 52.78 |
| 99% | 52.25 |
| 95% | 51.08 |
| 90% | 48.31 |
| 75% Q3 | 44.78 |
| 50% Median | 43.59 |
| 25% Q1 | 42.43 |
| 10% | 40.77 |
| 5% | 40.14 |
| 1% | 38.64 |
| 0% Min | 37.99 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 37.99 | 145 | 52.00 | 244 |
| 38.36 | 144 | 52.20 | 240 |
| 38.64 | 146 | 52.25 | 239 |
| 38.71 | 148 | 52.41 | 238 |
| 38.73 | 156 | 52.78 | 249 |

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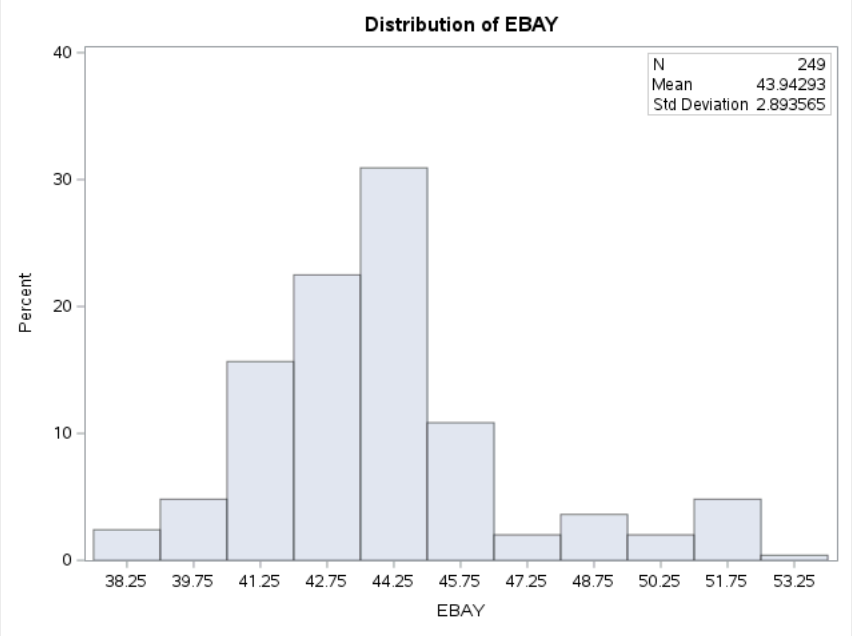
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: ETSY (ETSY)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 79.1087147 | Sum Observations | 19698.07 |
| Std Deviation | 12.4940096 | Variance | 156.100276 |
| Skewness | 0.4601601 | Kurtosis | -0.930446 |
| Uncorrected SS | 1597001.86 | Corrected SS | 38712.8684 |
| Coeff Variation | 15.7934681 | Std Error Mean | 0.79177569 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 79.10871 | Std Deviation | 12.49401 |
| Median | 75.87000 | Variance | 156.10028 |
| Mode | 64.84000 | Range | 48.98000 |
| | | Interquartile Range | 20.42000 |

Note: The mode displayed is the smallest of 8 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 99.91304 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 109.64 |
| 99% | 105.27 |
| 95% | 102.05 |
| 90% | 97.77 |
| 75% Q3 | 88.93 |
| 50% Median | 75.87 |
| 25% Q1 | 68.51 |
| 10% | 64.15 |
| 5% | 62.96 |
| 1% | 61.63 |
| 0% Min | 60.66 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 60.66 | 148 | 103.64 | 6 |
| 61.31 | 146 | 104.06 | 4 |
| 61.63 | 149 | 105.27 | 3 |
| 61.87 | 122 | 108.25 | 1 |
| 61.89 | 123 | 109.64 | 2 |

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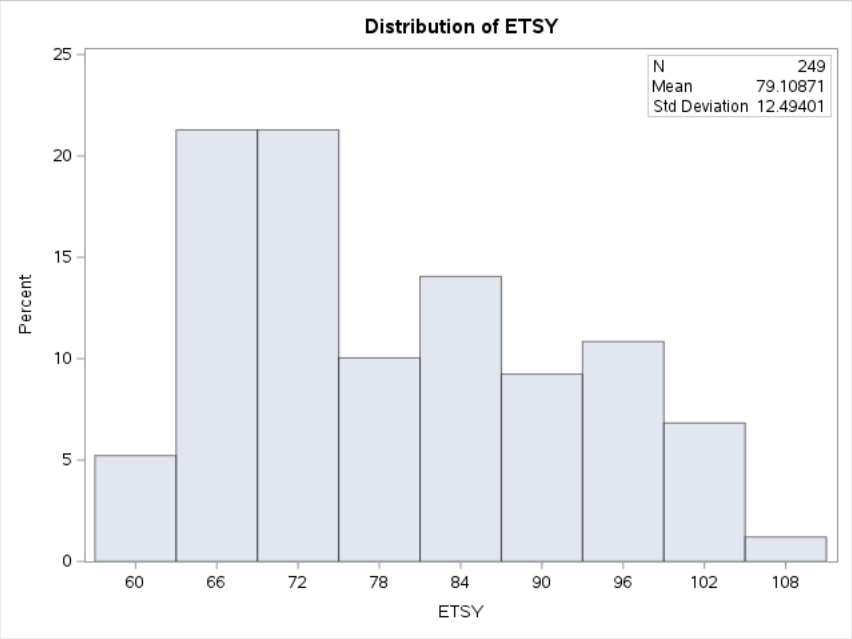
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: EXPE (EXPE)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 118.133173 | Sum Observations | 29415.1601 |
| Std Deviation | 20.4701717 | Variance | 419.027928 |
| Skewness | 0.3482049 | Kurtosis | -1.2792656 |
| Uncorrected SS | 3578825.12 | Corrected SS | 103918.926 |
| Coeff Variation | 17.3280469 | Std Error Mean | 1.29724442 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 118.1332 | Std Deviation | 20.47017 |
| Median | 111.5400 | Variance | 419.02793 |
| Mode | 95.2300 | Range | 70.30000 |
| | | Interquartile Range | 36.13001 |

Note: The mode displayed is the smallest of 7 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 91.0647 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 159.47 |
| 99% | 154.52 |
| 95% | 151.85 |
| 90% | 148.61 |
| 75% Q3 | 136.38 |
| 50% Median | 111.54 |
| 25% Q1 | 100.25 |
| 10% | 93.54 |
| 5% | 92.03 |
| 1% | 89.45 |
| 0% Min | 89.17 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 89.17 | 23 | 153.98 | 207 |
| 89.34 | 7 | 154.38 | 214 |
| 89.45 | 29 | 154.52 | 183 |
| 89.81 | 5 | 155.31 | 184 |
| 89.87 | 17 | 159.47 | 215 |

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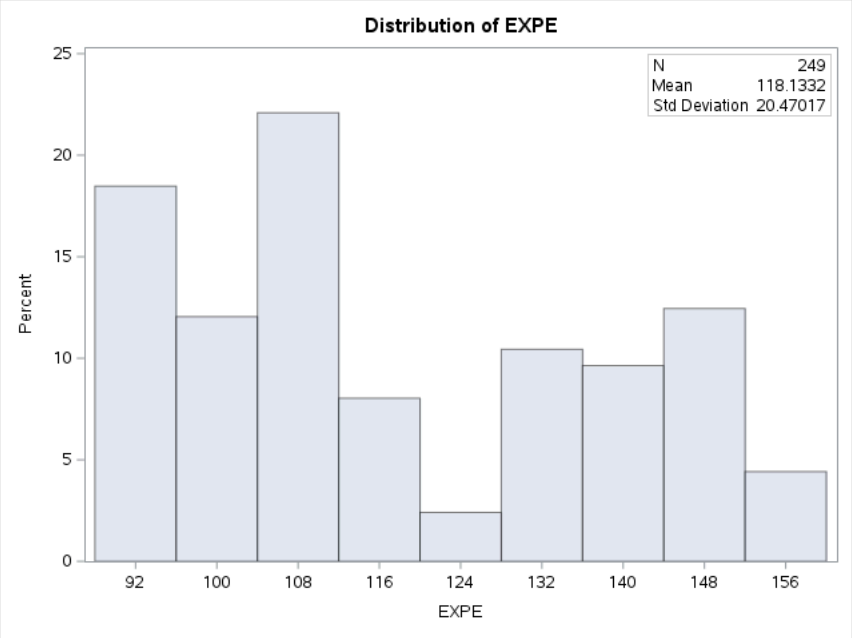
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: F (F)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 12.2204418 | Sum Observations | 3042.89 |
| Std Deviation | 1.16395296 | Variance | 1.3547865 |
| Skewness | 0.45936864 | Kurtosis | 0.61265182 |
| Uncorrected SS | 37521.4471 | Corrected SS | 335.987051 |
| Coeff Variation | 9.524639 | Std Error Mean | 0.07376252 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 12.22044 | Std Deviation | 1.16395 |
| Median | 12.11000 | Variance | 1.35479 |
| Mode | 12.14000 | Range | 5.65000 |
| | | Interquartile Range | 1.01000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 165.6728 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 15.35 |
| 99% | 15.23 |
| 95% | 14.45 |
| 90% | 14.02 |
| 75% Q3 | 12.68 |
| 50% Median | 12.11 |
| 25% Q1 | 11.67 |
| 10% | 10.59 |
| 5% | 10.26 |
| 1% | 9.77 |
| 0% Min | 9.70 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 9.70 | 154 | 15.19 | 70 |
| 9.75 | 147 | 15.22 | 69 |
| 9.77 | 146 | 15.23 | 68 |
| 9.82 | 156 | 15.24 | 63 |
| 9.86 | 155 | 15.35 | 64 |

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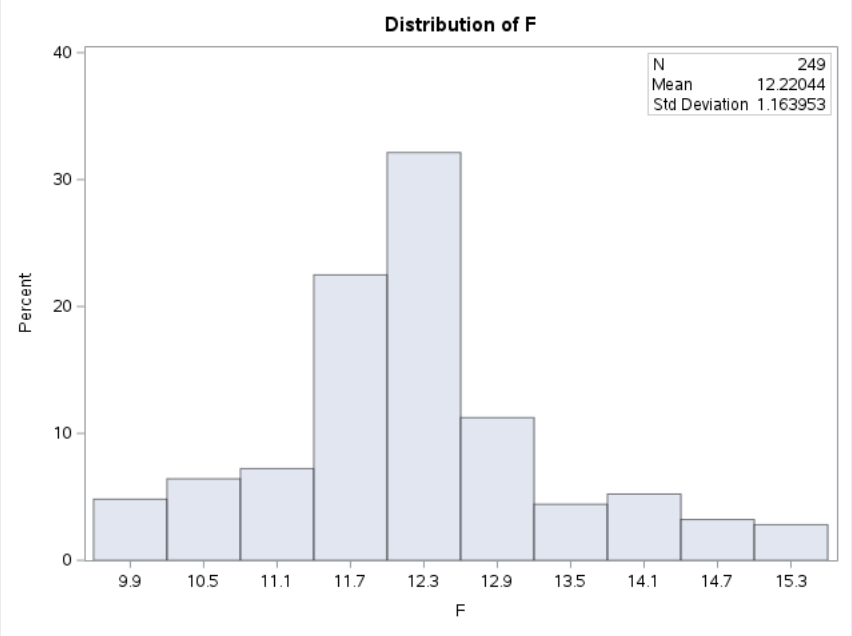
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: GRMN (GRMN)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 113.675381 | Sum Observations | 28305.1699 |
| Std Deviation | 13.6050446 | Variance | 185.097239 |
| Skewness | 0.98742566 | Kurtosis | 0.04799195 |
| Uncorrected SS | 3263505.1 | Corrected SS | 45904.1153 |
| Coeff Variation | 11.9683299 | Std Error Mean | 0.86218467 |

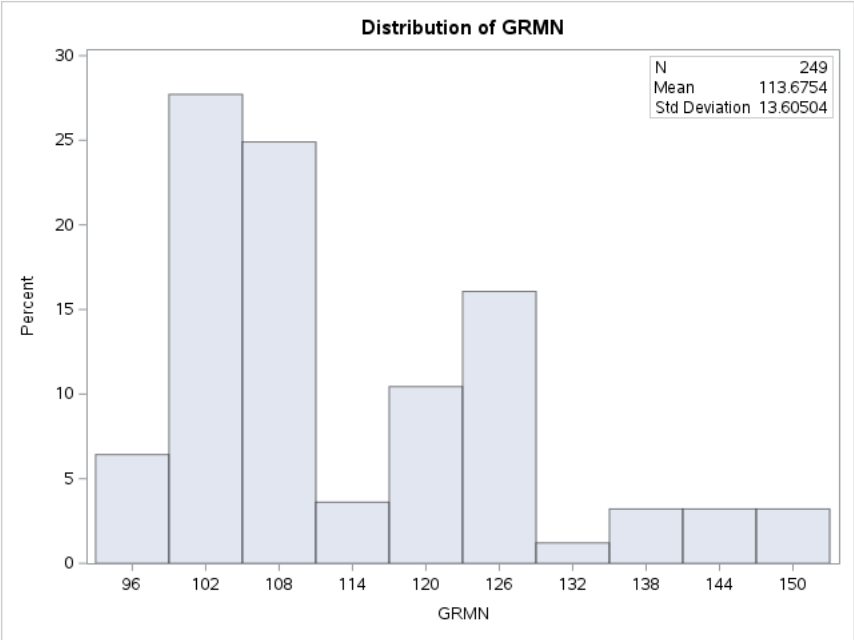
| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 113.6754 | Std Deviation | 13.60504 |
| Median | 106.4800 | Variance | 185.09724 |
| Mode | 103.5100 | Range | 53.67000 |
| | | Interquartile Range | 19.60001 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 131.8457 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 148.87 |
| 99% | 148.35 |
| 95% | 145.99 |
| 90% | 134.69 |
| 75% Q3 | 123.37 |
| 50% Median | 106.48 |
| 25% Q1 | 103.77 |
| 10% | 101.28 |
| 5% | 98.28 |
| 1% | 96.94 |
| 0% Min | 95.20 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 95.20 | 17 | 147.98 | 248 |
| 96.08 | 16 | 148.14 | 244 |
| 96.94 | 18 | 148.35 | 238 |
| 97.17 | 21 | 148.45 | 237 |
| 97.70 | 15 | 148.87 | 249 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: GM (GM)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 34.9191968 | Sum Observations | 8694.87999 |
| Std Deviation | 3.84032086 | Variance | 14.7480643 |
| Skewness | 0.04106259 | Kurtosis | -0.3482782 |
| Uncorrected SS | 307275.745 | Corrected SS | 3657.51995 |
| Coeff Variation | 10.9977354 | Std Error Mean | 0.24337045 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 34.91920 | Std Deviation | 3.84032 |
| Median | 34.59000 | Variance | 14.74806 |
| Mode | 33.12000 | Range | 18.70000 |
| | | Interquartile Range | 5.33000 |

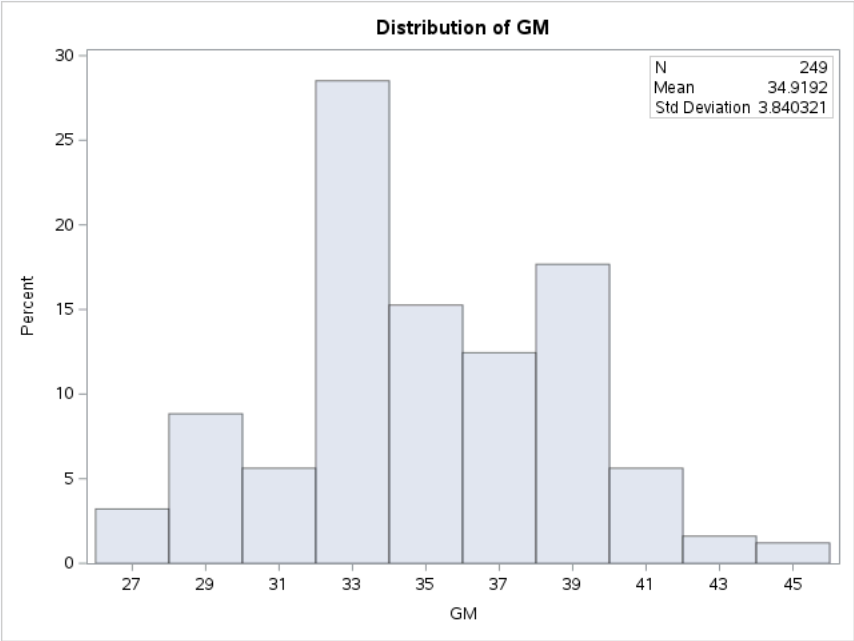
Note: The mode displayed is the smallest of 2 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 143.4817 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 45.35 |
| 99% | 44.00 |
| 95% | 40.69 |
| 90% | 39.63 |
| 75% Q3 | 38.05 |
| 50% Median | 34.59 |
| 25% Q1 | 32.72 |
| 10% | 29.22 |
| 5% | 28.18 |
| 1% | 26.90 |
| 0% Min | 26.65 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 26.65 | 154 | 43.42 | 244 |
| 26.85 | 155 | 43.55 | 246 |
| 26.90 | 156 | 44.00 | 247 |
| 27.22 | 145 | 44.59 | 248 |
| 27.36 | 146 | 45.35 | 249 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: GPC (GPC)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 150.454297 | Sum Observations | 37463.12 |
| Std Deviation | 11.7567885 | Variance | 138.222077 |
| Skewness | 0.05333762 | Kurtosis | -0.9584246 |
| Uncorrected SS | 5670766.47 | Corrected SS | 34279.075 |
| Coeff Variation | 7.81419259 | Std Error Mean | 0.7450562 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 150.4543 | Std Deviation | 11.75679 |
| Median | 150.5700 | Variance | 138.22208 |
| Mode | 136.1600 | Range | 46.60999 |
| | | Interquartile Range | 18.18001 |

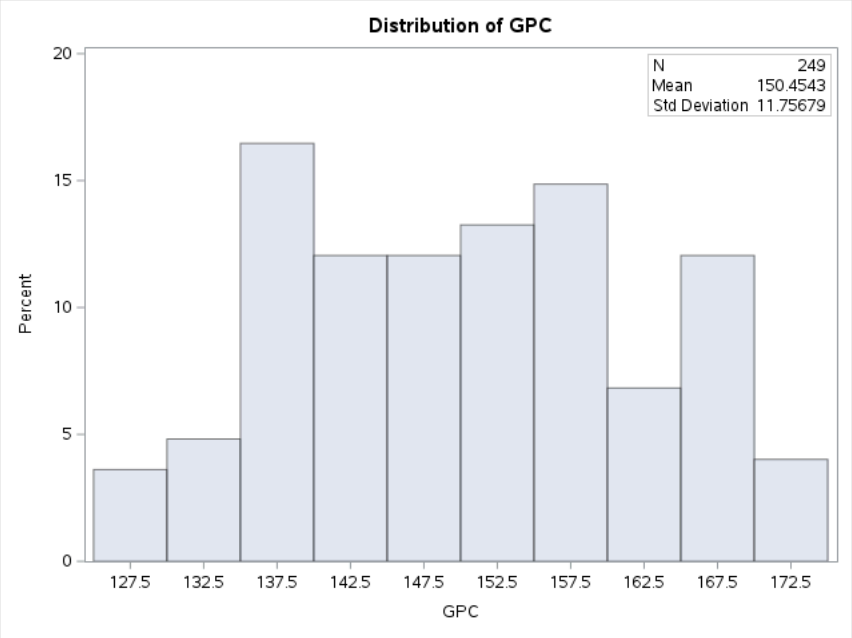
Note: The mode displayed is the smallest of 11 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 201.9368 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 173.73 |
| 99% | 173.22 |
| 95% | 168.74 |
| 90% | 166.67 |
| 75% Q3 | 158.32 |
| 50% Median | 150.57 |
| 25% Q1 | 140.14 |
| 10% | 135.54 |
| 5% | 132.98 |
| 1% | 128.26 |
| 0% Min | 127.12 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 127.12 | 145 | 171.98 | 22 |
| 127.52 | 146 | 172.61 | 25 |
| 128.26 | 141 | 173.22 | 26 |
| 128.43 | 143 | 173.69 | 27 |
| 128.63 | 140 | 173.73 | 24 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: HAS (HAS)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 56.5345784 | Sum Observations | 14077.11 |
| Std Deviation | 7.52416283 | Variance | 56.6130262 |
| Skewness | 0.17343324 | Kurtosis | -1.1278099 |
| Uncorrected SS | 809883.51 | Corrected SS | 14040.0305 |
| Coeff Variation | 13.3089572 | Std Error Mean | 0.47682444 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 56.53458 | Std Deviation | 7.52416 |
| Median | 55.99000 | Variance | 56.61303 |
| Mode | 51.29000 | Range | 30.04000 |
| | | Interquartile Range | 13.02000 |

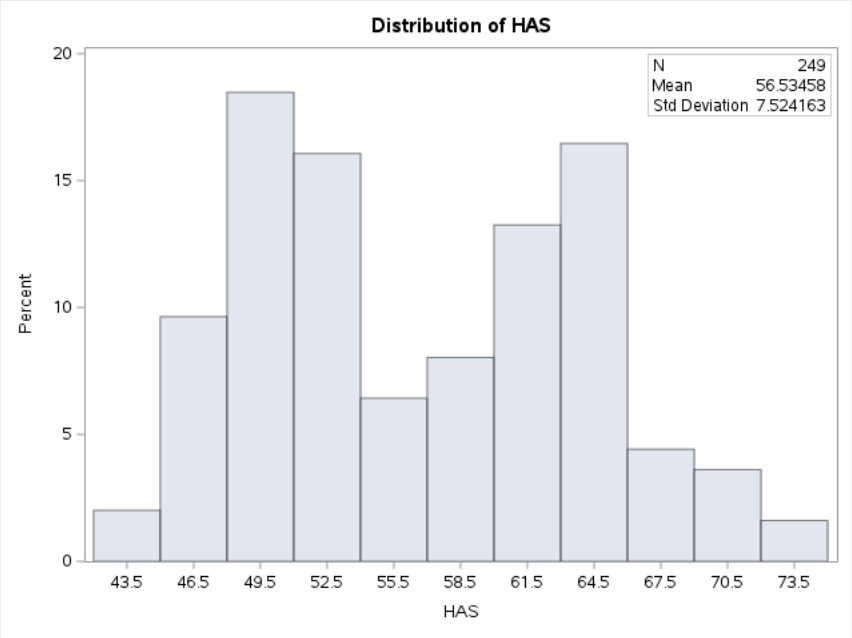
Note: The mode displayed is the smallest of 2 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 118.5648 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 72.92 |
| 99% | 72.64 |
| 95% | 69.18 |
| 90% | 65.95 |
| 75% Q3 | 63.27 |
| 50% Median | 55.99 |
| 25% Q1 | 50.25 |
| 10% | 47.11 |
| 5% | 45.44 |
| 1% | 43.26 |
| 0% Min | 42.88 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 42.88 | 156 | 71.43 | 104 |
| 43.11 | 155 | 72.00 | 105 |
| 43.26 | 154 | 72.64 | 107 |
| 44.04 | 153 | 72.79 | 106 |
| 44.67 | 161 | 72.92 | 108 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: HLT (HLT)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 163.132892 | Sum Observations | 40620.0901 |
| Std Deviation | 22.0124815 | Variance | 484.549343 |
| Skewness | 0.84578622 | Kurtosis | -0.6459046 |
| Uncorrected SS | 6746641 | Corrected SS | 120168.237 |
| Coeff Variation | 13.4935887 | Std Error Mean | 1.39498434 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 163.1329 | Std Deviation | 22.01248 |
| Median | 153.0000 | Variance | 484.54934 |
| Mode | 142.4100 | Range | 78.25999 |
| | | Interquartile Range | 34.20001 |

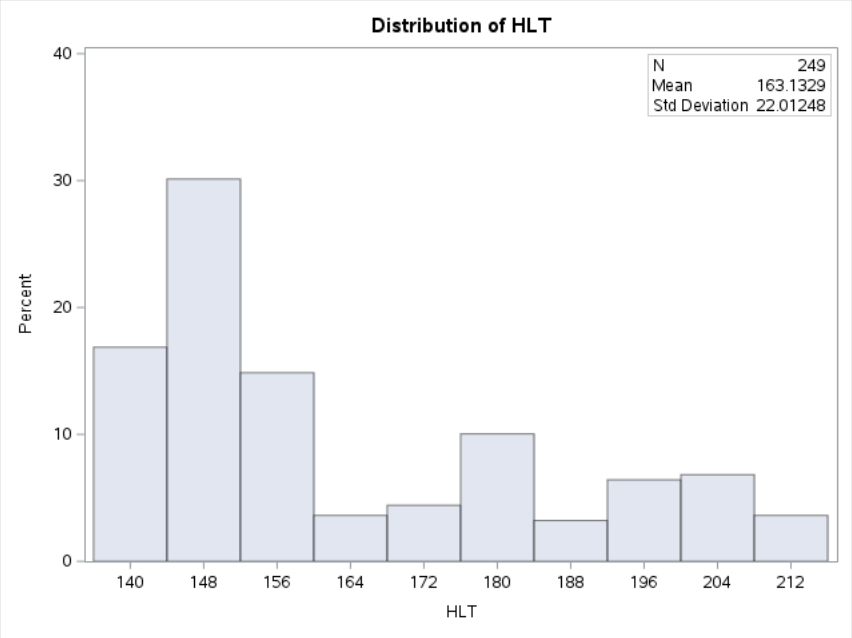
Note: The mode displayed is the smallest of 10 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 116.9425 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 214.34 |
| 99% | 213.04 |
| 95% | 205.71 |
| 90% | 202.45 |
| 75% Q3 | 181.21 |
| 50% Median | 153.00 |
| 25% Q1 | 147.01 |
| 10% | 141.70 |
| 5% | 139.63 |
| 1% | 136.85 |
| 0% Min | 136.08 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 136.08 | 40 | 210.55 | 244 |
| 136.12 | 41 | 211.30 | 245 |
| 136.85 | 37 | 213.04 | 247 |
| 137.11 | 57 | 213.31 | 249 |
| 137.67 | 42 | 214.34 | 248 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: HD (HD)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 322.779799 | Sum Observations | 80372.1699 |
| Std Deviation | 29.8398244 | Variance | 890.415118 |
| Skewness | 0.54628949 | Kurtosis | -0.8541413 |
| Uncorrected SS | 26163335.8 | Corrected SS | 220822.949 |
| Coeff Variation | 9.24463813 | Std Error Mean | 1.89102203 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 322.7798 | Std Deviation | 29.83982 |
| Median | 317.2600 | Variance | 890.41512 |
| Mode | 288.0700 | Range | 118.74002 |
| | | Interquartile Range | 52.53000 |

Note: The mode displayed is the smallest of 6 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 170.6907 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 395.20 |
| 99% | 385.89 |
| 95% | 378.45 |
| 90% | 371.52 |
| 75% Q3 | 348.53 |
| 50% Median | 317.26 |
| 25% Q1 | 296.00 |
| 10% | 289.62 |
| 5% | 286.75 |
| 1% | 280.93 |
| 0% Min | 276.46 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 276.46 | 145 | 384.41 | 243 |
| 278.00 | 144 | 384.45 | 230 |
| 280.93 | 143 | 385.89 | 248 |
| 281.48 | 146 | 390.28 | 245 |
| 282.33 | 31 | 395.20 | 244 |

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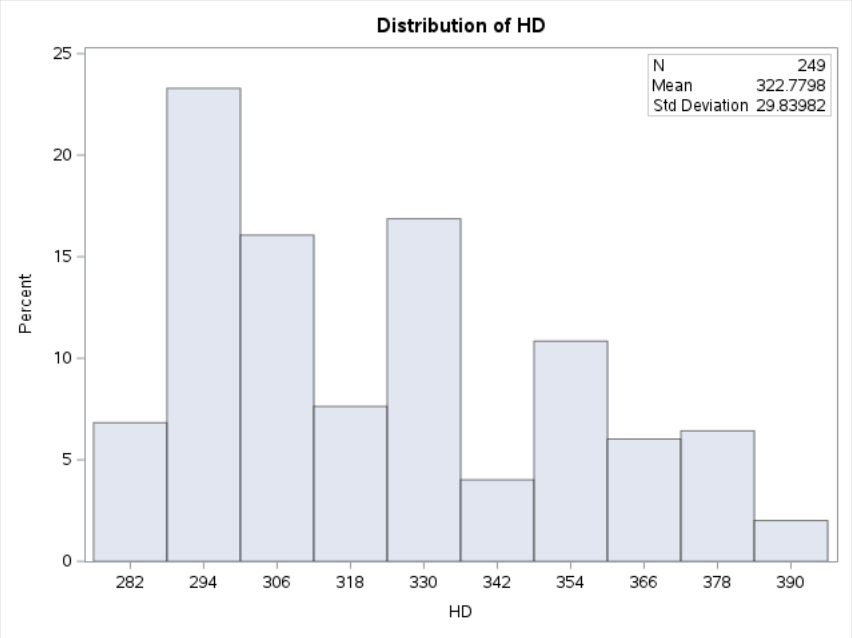
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: LVS (LVS)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 52.969759 | Sum Observations | 13189.47 |
| Std Deviation | 5.17903669 | Variance | 26.822421 |
| Skewness | 0.21625109 | Kurtosis | -1.0728945 |
| Uncorrected SS | 705295.008 | Corrected SS | 6651.96042 |
| Coeff Variation | 9.77734614 | Std Error Mean | 0.32820811 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 52.96976 | Std Deviation | 5.17904 |
| Median | 52.61000 | Variance | 26.82242 |
| Mode | 48.92000 | Range | 20.76000 |
| | | Interquartile Range | 8.88000 |

Note: The mode displayed is the smallest of 2 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 161.3908 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 64.86 |
| 99% | 63.85 |
| 95% | 61.65 |
| 90% | 59.81 |
| 75% Q3 | 57.73 |
| 50% Median | 52.61 |
| 25% Q1 | 48.85 |
| 10% | 46.12 |
| 5% | 45.34 |
| 1% | 44.60 |
| 0% Min | 44.10 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 44.10 | 129 | 63.05 | 14 |
| 44.22 | 128 | 63.63 | 21 |
| 44.60 | 138 | 63.85 | 19 |
| 44.73 | 127 | 63.95 | 15 |
| 44.79 | 135 | 64.86 | 20 |

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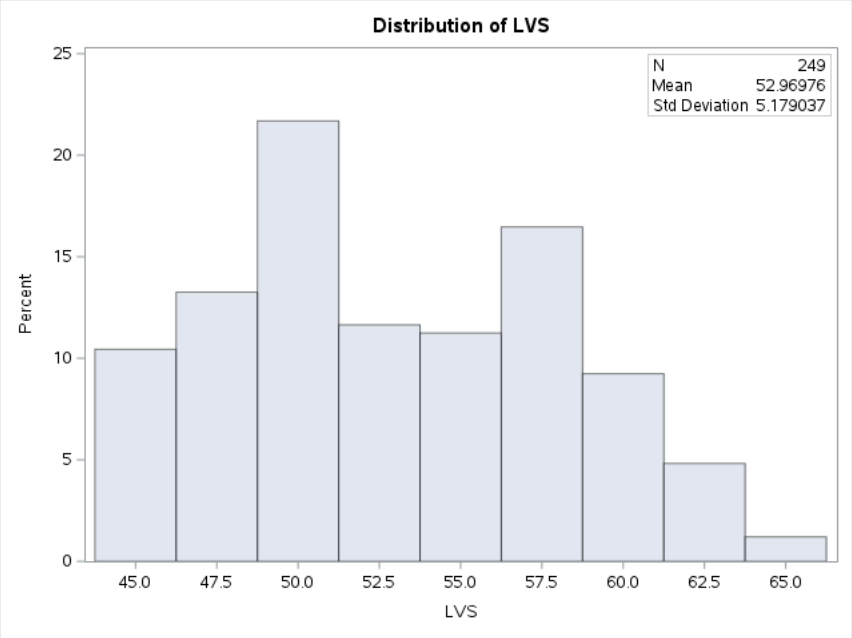
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: LEN (LEN)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 128.243574 | Sum Observations | 31932.65 |
| Std Deviation | 18.5495256 | Variance | 344.084899 |
| Skewness | 0.59183603 | Kurtosis | -0.9607489 |
| Uncorrected SS | 4180490.22 | Corrected SS | 85333.055 |
| Coeff Variation | 14.4642924 | Std Error Mean | 1.17552842 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 128.2436 | Std Deviation | 18.54953 |
| Median | 123.2300 | Variance | 344.08490 |
| Mode | 126.0600 | Range | 69.92000 |
| | | Interquartile Range | 34.47000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 109.0944 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 171.98 |
| 99% | 166.58 |
| 95% | 161.48 |
| 90% | 154.81 |
| 75% Q3 | 147.91 |
| 50% Median | 123.23 |
| 25% Q1 | 113.44 |
| 10% | 107.90 |
| 5% | 105.00 |
| 1% | 103.07 |
| 0% Min | 102.06 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 102.06 | 4 | 165.97 | 237 |
| 102.59 | 5 | 166.04 | 246 |
| 103.07 | 143 | 166.58 | 245 |
| 103.79 | 145 | 168.50 | 248 |
| 103.79 | 140 | 171.98 | 249 |

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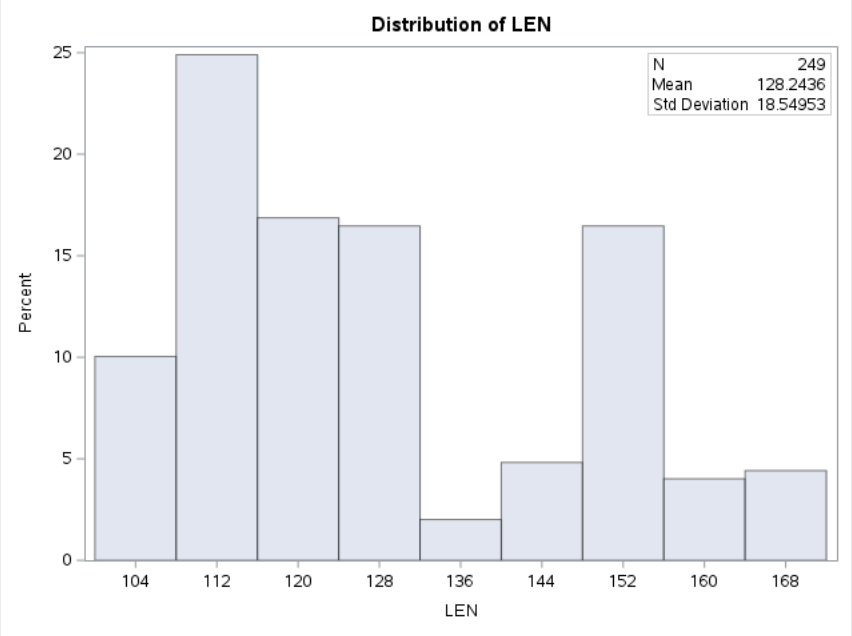
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: LKQ (LKQ)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 51.3444577 | Sum Observations | 12784.77 |
| Std Deviation | 4.18880634 | Variance | 17.5460985 |
| Skewness | -0.0494328 | Kurtosis | -1.131432 |
| Uncorrected SS | 660778.514 | Corrected SS | 4351.43244 |
| Coeff Variation | 8.15824438 | Std Error Mean | 0.26545482 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 51.34446 | Std Deviation | 4.18881 |
| Median | 51.68000 | Variance | 17.54610 |
| Mode | 45.74000 | Range | 15.89000 |
| | | Interquartile Range | 6.96000 |

Note: The mode displayed is the smallest of 9 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 193.4207 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 59.01 |
| 99% | 58.52 |
| 95% | 57.61 |
| 90% | 57.07 |
| 75% Q3 | 54.60 |
| 50% Median | 51.68 |
| 25% Q1 | 47.64 |
| 10% | 45.49 |
| 5% | 44.79 |
| 1% | 43.45 |
| 0% Min | 43.12 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 43.12 | 148 | 58.27 | 62 |
| 43.39 | 146 | 58.29 | 74 |
| 43.45 | 149 | 58.52 | 70 |
| 43.55 | 145 | 58.62 | 72 |
| 43.92 | 147 | 59.01 | 69 |

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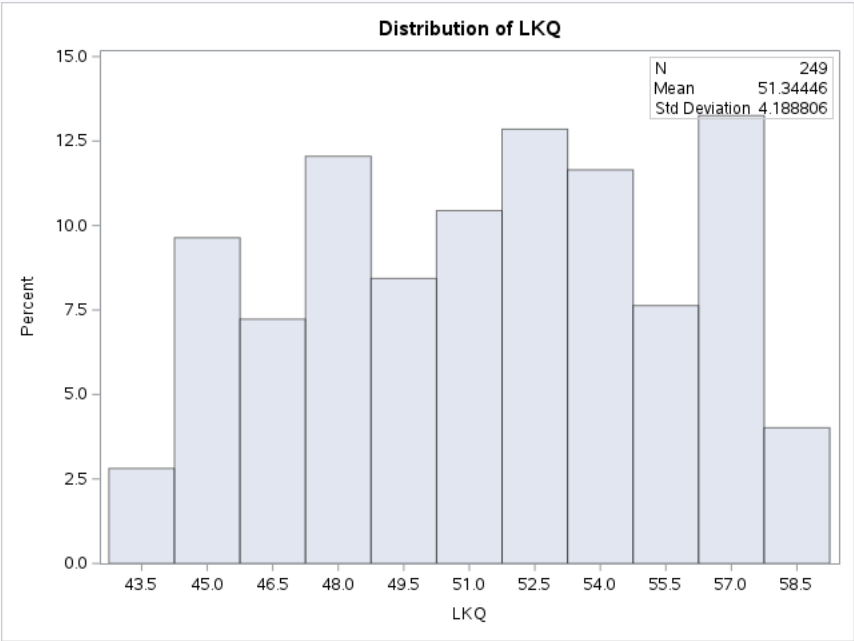
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: LOW (LOW)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 216.311848 | Sum Observations | 53861.65 |
| Std Deviation | 15.4037885 | Variance | 237.2767 |
| Skewness | 0.35434162 | Kurtosis | -0.1975051 |
| Uncorrected SS | 11709757.7 | Corrected SS | 58844.6216 |
| Coeff Variation | 7.12110255 | Std Error Mean | 0.97617543 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 216.3118 | Std Deviation | 15.40379 |
| Median | 217.0100 | Variance | 237.27670 |
| Mode | 203.9200 | Range | 77.38001 |
| | | Interquartile Range | 22.09000 |

Note: The mode displayed is the smallest of 5 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 221.5912 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 261.00 |
| 99% | 254.73 |
| 95% | 243.48 |
| 90% | 234.90 |
| 75% Q3 | 226.41 |
| 50% Median | 217.01 |
| 25% Q1 | 204.32 |
| 10% | 198.48 |
| 5% | 193.84 |
| 1% | 186.09 |
| 0% Min | 183.62 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 183.62 | 145 | 253.33 | 248 |
| 184.73 | 144 | 254.00 | 246 |
| 186.09 | 143 | 254.73 | 249 |
| 186.24 | 142 | 258.50 | 245 |
| 187.72 | 146 | 261.00 | 244 |

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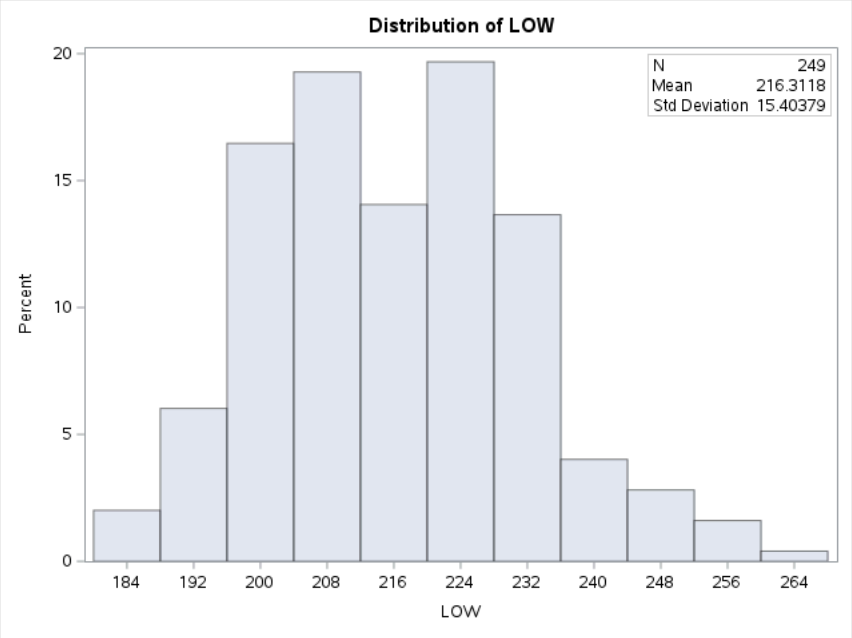
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: LULU (LULU)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 411.093815 | Sum Observations | 102362.36 |
| Std Deviation | 46.7538578 | Variance | 2185.92322 |
| Skewness | 0.65712621 | Kurtosis | -0.91002 |
| Uncorrected SS | 42622642 | Corrected SS | 542108.959 |
| Coeff Variation | 11.3730385 | Std Error Mean | 2.96290535 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 411.0938 | Std Deviation | 46.75386 |
| Median | 388.0500 | Variance | 2186 |
| Mode | 377.9600 | Range | 182.94000 |
| | | Interquartile Range | 80.42999 |

Note: The mode displayed is the smallest of 2 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 138.7469 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 511.29 |
| 99% | 510.00 |
| 95% | 501.63 |
| 90% | 481.99 |
| 75% Q3 | 457.75 |
| 50% Median | 388.05 |
| 25% Q1 | 377.32 |
| 10% | 365.84 |
| 5% | 360.36 |
| 1% | 336.64 |
| 0% Min | 328.35 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 328.35 | 42 | 508.81 | 186 |
| 331.93 | 41 | 509.22 | 187 |
| 336.64 | 40 | 510.00 | 184 |
| 340.26 | 39 | 511.03 | 183 |
| 342.34 | 38 | 511.29 | 188 |

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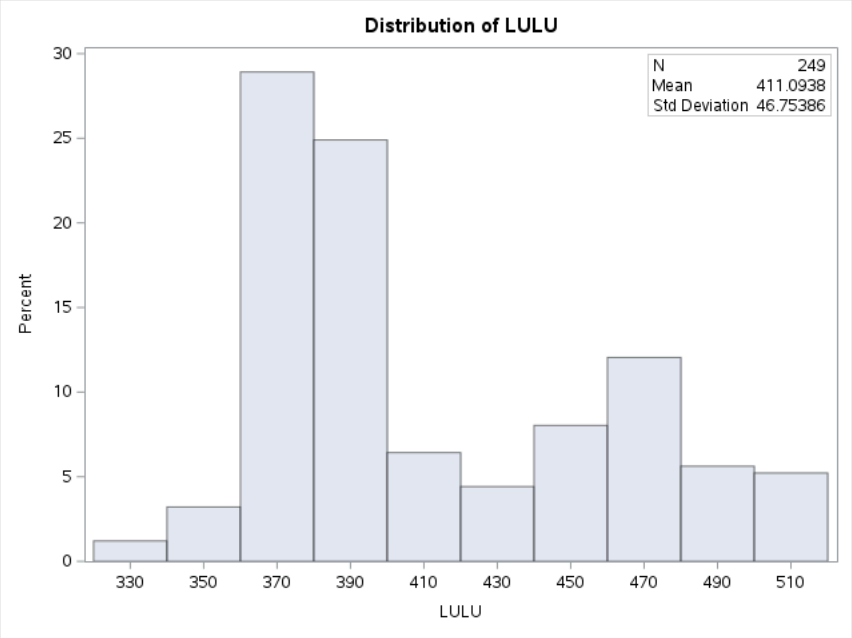
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: MAR (MAR)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 204.078273 | Sum Observations | 50815.4899 |
| Std Deviation | 26.0129267 | Variance | 676.672357 |
| Skewness | 0.45584453 | Kurtosis | -0.8503532 |
| Uncorrected SS | 10538152.1 | Corrected SS | 167814.744 |
| Coeff Variation | 12.746544 | Std Error Mean | 1.64850225 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 204.0783 | Std Deviation | 26.01293 |
| Median | 199.8700 | Variance | 676.67236 |
| Mode | 177.2200 | Range | 93.80000 |
| | | Interquartile Range | 40.30000 |

Note: The mode displayed is the smallest of 5 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 123.7962 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 255.27 |
| 99% | 254.05 |
| 95% | 249.87 |
| 90% | 247.88 |
| 75% Q3 | 222.42 |
| 50% Median | 199.87 |
| 25% Q1 | 182.12 |
| 10% | 173.66 |
| 5% | 168.25 |
| 1% | 162.79 |
| 0% Min | 161.47 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 161.47 | 7 | 252.31 | 249 |
| 162.56 | 3 | 253.56 | 248 |
| 162.79 | 5 | 254.05 | 243 |
| 163.05 | 4 | 255.16 | 245 |
| 163.88 | 6 | 255.27 | 244 |

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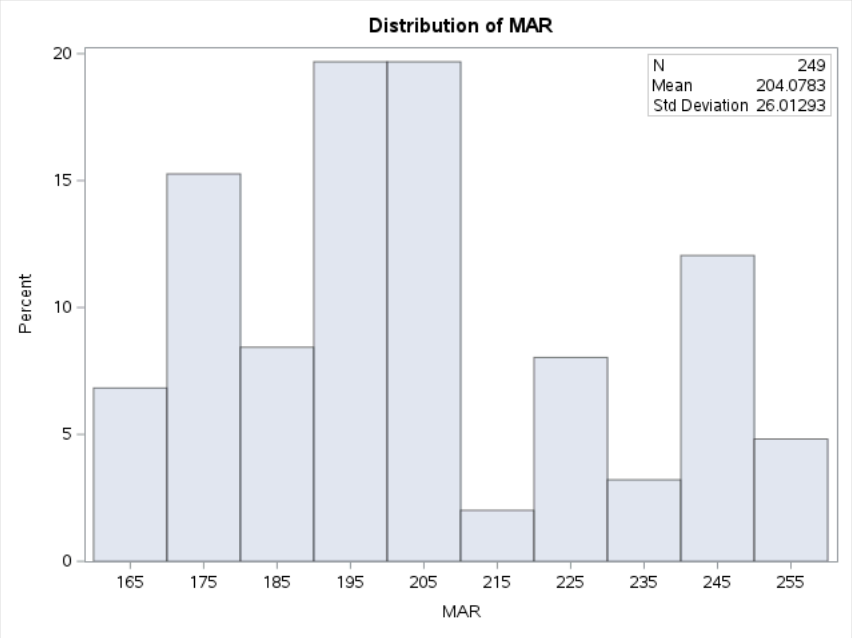
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: MCD (MCD)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 284.612128 | Sum Observations | 70868.4198 |
| Std Deviation | 12.318681 | Variance | 151.749901 |
| Skewness | -1.3892477 | Kurtosis | 1.24333888 |
| Uncorrected SS | 20207645.7 | Corrected SS | 37633.9755 |
| Coeff Variation | 4.32823474 | Std Error Mean | 0.78066469 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 284.6121 | Std Deviation | 12.31868 |
| Median | 288.5700 | Variance | 151.74990 |
| Mode | 278.6200 | Range | 54.34000 |
| | | Interquartile Range | 12.31000 |

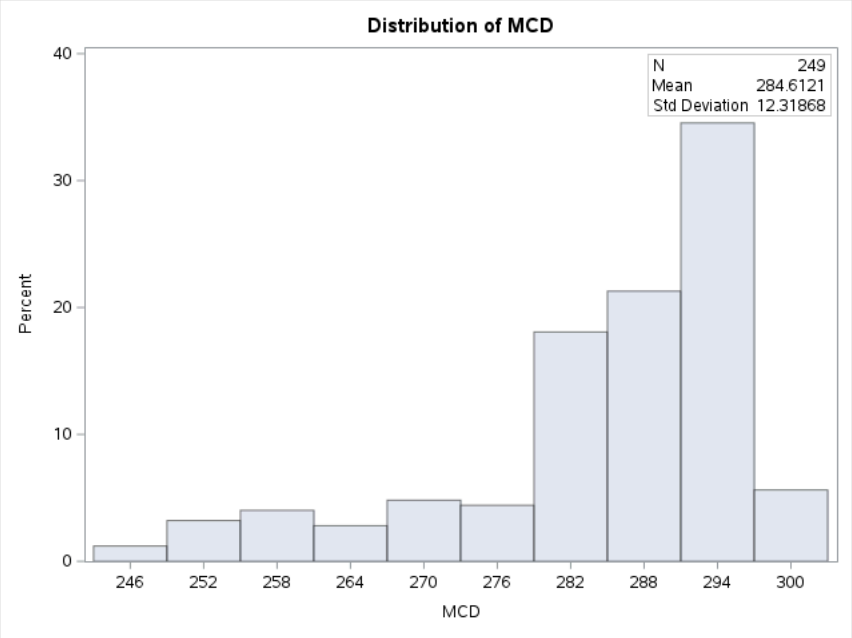
Note: The mode displayed is the smallest of 14 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 364.5767 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 300.53 |
| 99% | 300.05 |
| 95% | 297.05 |
| 90% | 295.84 |
| 75% Q3 | 293.46 |
| 50% Median | 288.57 |
| 25% Q1 | 281.15 |
| 10% | 263.64 |
| 5% | 255.81 |
| 1% | 248.31 |
| 0% Min | 246.19 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 246.19 | 134 | 298.41 | 62 |
| 248.22 | 130 | 298.41 | 202 |
| 248.31 | 135 | 300.05 | 203 |
| 249.92 | 131 | 300.44 | 204 |
| 249.94 | 136 | 300.53 | 201 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: MGM (MGM)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 42.4561847 | Sum Observations | 10571.59 |
| Std Deviation | 3.40896101 | Variance | 11.6210152 |
| Skewness | -0.2083759 | Kurtosis | 0.24846189 |
| Uncorrected SS | 451711.39 | Corrected SS | 2882.01176 |
| Coeff Variation | 8.02936258 | Std Error Mean | 0.21603413 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 42.45618 | Std Deviation | 3.40896 |
| Median | 42.88000 | Variance | 11.62102 |
| Mode | 42.64000 | Range | 16.67000 |
| | | Interquartile Range | 3.99000 |

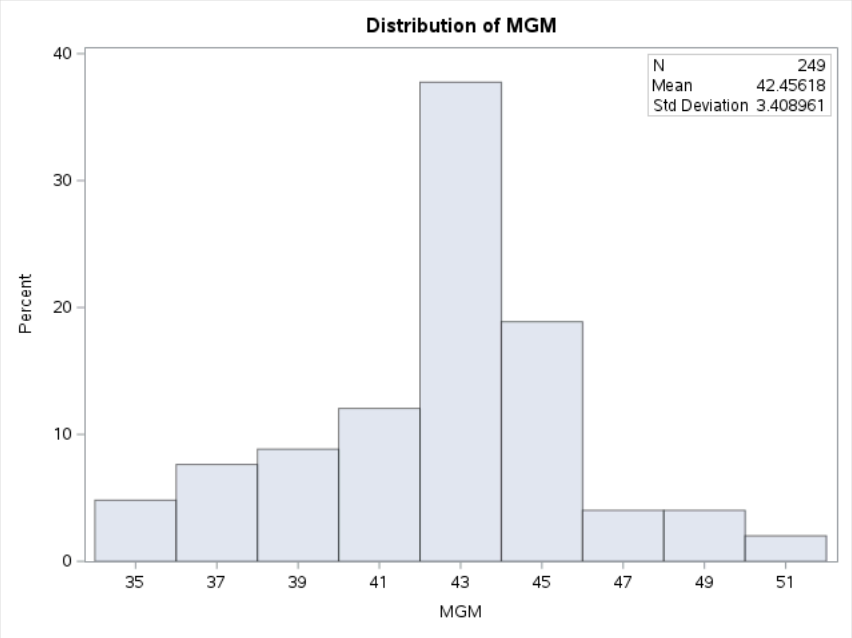
Note: The mode displayed is the smallest of 3 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 196.5254 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 50.90 |
| 99% | 50.17 |
| 95% | 48.99 |
| 90% | 46.04 |
| 75% Q3 | 44.38 |
| 50% Median | 42.88 |
| 25% Q1 | 40.39 |
| 10% | 36.86 |
| 5% | 36.25 |
| 1% | 34.79 |
| 0% Min | 34.23 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 34.23 | 145 | 50.03 | 83 |
| 34.63 | 143 | 50.09 | 80 |
| 34.79 | 129 | 50.17 | 79 |
| 34.83 | 146 | 50.77 | 82 |
| 34.84 | 144 | 50.90 | 81 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: MHK (MHK)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 99.5617671 | Sum Observations | 24790.88 |
| Std Deviation | 11.6790744 | Variance | 136.40078 |
| Skewness | 0.22087385 | Kurtosis | -0.3082289 |
| Uncorrected SS | 2502051.22 | Corrected SS | 33827.3934 |
| Coeff Variation | 11.7304813 | Std Error Mean | 0.74013127 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 99.56177 | Std Deviation | 11.67907 |
| Median | 99.03000 | Variance | 136.40078 |
| Mode | 83.03000 | Range | 54.33000 |
| | | Interquartile Range | 13.33000 |

Note: The mode displayed is the smallest of 12 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 134.5191 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 130.89 |
| 99% | 126.18 |
| 95% | 120.83 |
| 90% | 116.11 |
| 75% Q3 | 105.75 |
| 50% Median | 99.03 |
| 25% Q1 | 92.42 |
| 10% | 82.83 |
| 5% | 80.66 |
| 1% | 78.52 |
| 0% Min | 76.56 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 76.56 | 145 | 125.12 | 245 |
| 78.21 | 143 | 125.65 | 246 |
| 78.52 | 144 | 126.18 | 244 |
| 78.65 | 142 | 128.92 | 248 |
| 79.13 | 139 | 130.89 | 249 |

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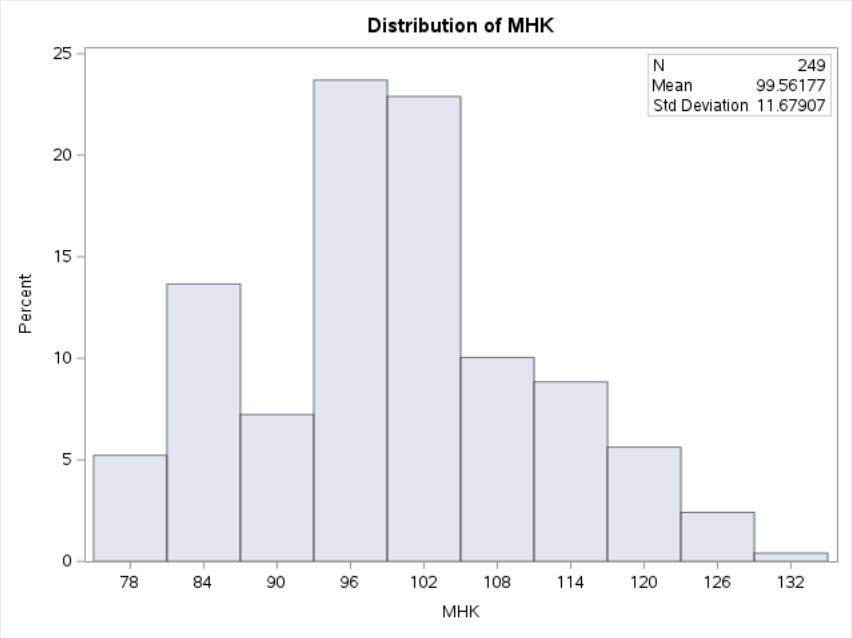
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: NKE (NKE)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 107.253373 | Sum Observations | 26706.09 |
| Std Deviation | 8.88469681 | Variance | 78.9378374 |
| Skewness | 0.62517655 | Kurtosis | -0.1182729 |
| Uncorrected SS | 2883894.83 | Corrected SS | 19576.5837 |
| Coeff Variation | 8.28383903 | Std Error Mean | 0.56304478 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 107.2534 | Std Deviation | 8.88470 |
| Median | 106.1900 | Variance | 78.93784 |
| Mode | 103.7700 | Range | 38.50000 |
| | | Interquartile Range | 8.72000 |

Note: The mode displayed is the smallest of 2 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 190.4882 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 127.92 |
| 99% | 127.09 |
| 95% | 125.67 |
| 90% | 122.53 |
| 75% Q3 | 110.18 |
| 50% Median | 106.19 |
| 25% Q1 | 101.46 |
| 10% | 97.11 |
| 5% | 94.56 |
| 1% | 90.17 |
| 0% Min | 89.42 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 89.42 | 123 | 126.74 | 22 |
| 89.63 | 124 | 126.88 | 25 |
| 90.17 | 122 | 127.09 | 15 |
| 90.60 | 121 | 127.26 | 21 |
| 90.85 | 120 | 127.92 | 20 |

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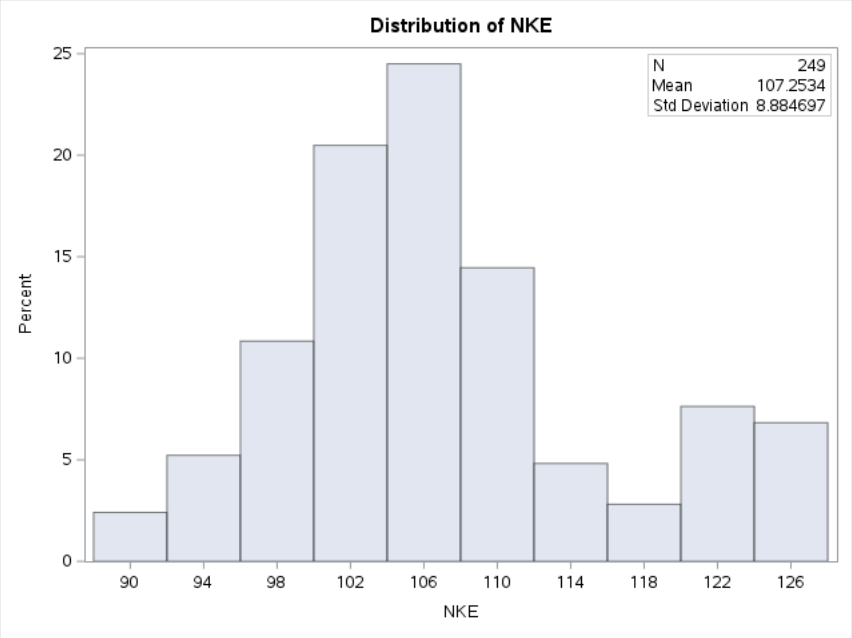
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: NCLH (NCLH)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 16.9923695 | Sum Observations | 4231.10001 |
| Std Deviation | 2.62303468 | Variance | 6.88031095 |
| Skewness | 0.11421257 | Kurtosis | -0.9743154 |
| Uncorrected SS | 73602.7318 | Corrected SS | 1706.31712 |
| Coeff Variation | 15.4365445 | Std Error Mean | 0.16622807 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 16.99237 | Std Deviation | 2.62303 |
| Median | 16.94000 | Variance | 6.88031 |
| Mode | 13.35000 | Range | 10.06000 |
| | | Interquartile Range | 4.69000 |

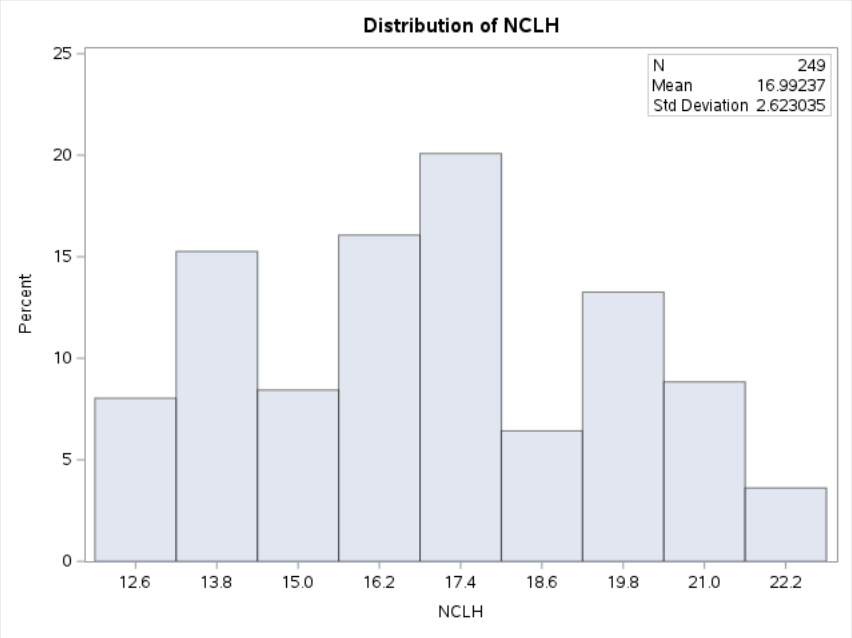
Note: The mode displayed is the smallest of 6 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 102.2232 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 22.52 |
| 99% | 22.16 |
| 95% | 21.33 |
| 90% | 20.70 |
| 75% Q3 | 19.22 |
| 50% Median | 16.94 |
| 25% Q1 | 14.53 |
| 10% | 13.35 |
| 5% | 13.07 |
| 1% | 12.64 |
| 0% Min | 12.46 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 12.46 | 17 | 21.91 | 63 |
| 12.64 | 13 | 22.07 | 82 |
| 12.64 | 9 | 22.16 | 64 |
| 12.73 | 16 | 22.41 | 68 |
| 12.73 | 7 | 22.52 | 67 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: NVR (NVR)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 6400.91604 | Sum Observations | 1593828.09 |
| Std Deviation | 681.771426 | Variance | 464812.277 |
| Skewness | 0.74540773 | Kurtosis | -0.5216649 |
| Uncorrected SS | 1.03172E10 | Corrected SS | 115273445 |
| Coeff Variation | 10.651154 | Std Error Mean | 43.2055086 |

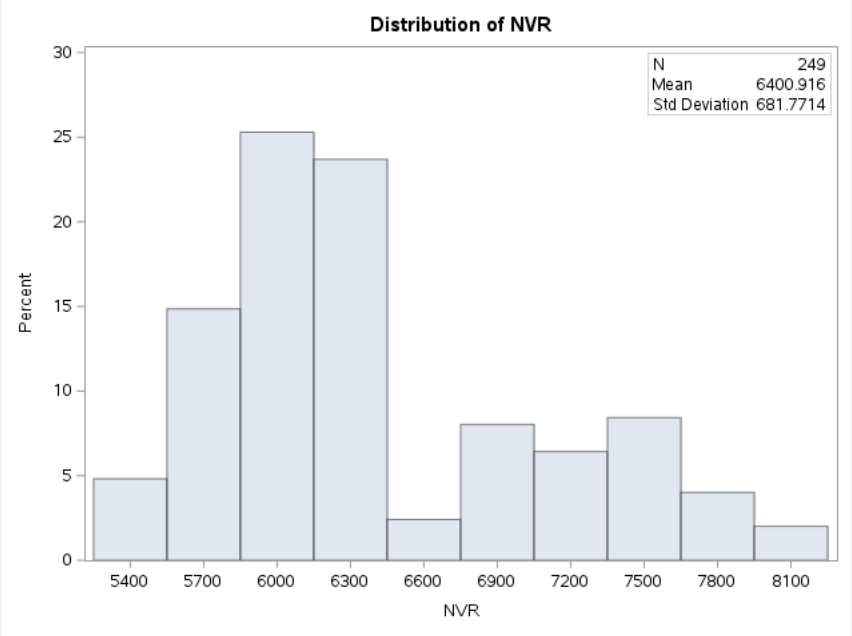
| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 6400.916 | Std Deviation | 681.77143 |
| Median | 6204.760 | Variance | 464812 |
| Mode | 5840.000 | Range | 2723 |
| | | Interquartile Range | 1049 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 148.1505 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 8099.96 |
| 99% | 7980.74 |
| 95% | 7682.30 |
| 90% | 7559.53 |
| 75% Q3 | 6939.98 |
| 50% Median | 6204.76 |
| 25% Q1 | 5890.63 |
| 10% | 5632.55 |
| 5% | 5554.22 |
| 1% | 5385.52 |
| 0% Min | 5377.29 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 5377.29 | 143 | 7958.45 | 243 |
| 5382.22 | 145 | 7971.71 | 245 |
| 5385.52 | 142 | 7980.74 | 248 |
| 5401.76 | 146 | 8001.96 | 244 |
| 5412.62 | 147 | 8099.96 | 249 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: ORLY (ORLY)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 962.978676 | Sum Observations | 239781.69 |
| Std Deviation | 63.0477757 | Variance | 3975.02202 |
| Skewness | 1.21899522 | Kurtosis | 1.06831812 |
| Uncorrected SS | 231890460 | Corrected SS | 985805.461 |
| Coeff Variation | 6.54716218 | Std Error Mean | 3.99549044 |

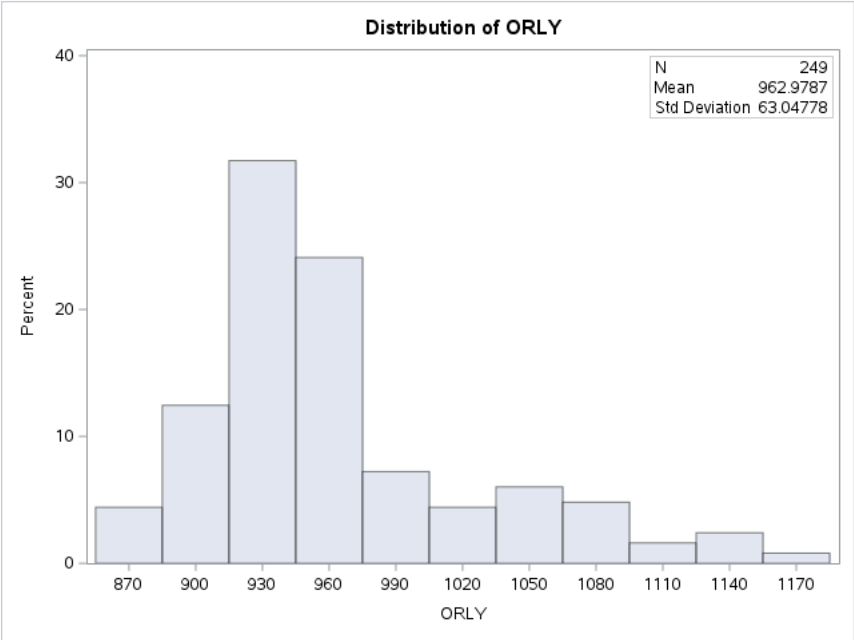
| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 962.9787 | Std Deviation | 63.04778 |
| Median | 945.4900 | Variance | 3975 |
| Mode | 931.6700 | Range | 309.18005 |
| | | Interquartile Range | 55.91003 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 241.0164 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 1167.53 |
| 99% | 1145.29 |
| 95% | 1094.60 |
| 90% | 1062.07 |
| 75% Q3 | 982.38 |
| 50% Median | 945.49 |
| 25% Q1 | 926.47 |
| 10% | 900.80 |
| 5% | 887.95 |
| 1% | 864.44 |
| 0% Min | 858.35 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 858.35 | 3 | 1135.52 | 248 |
| 861.13 | 4 | 1137.07 | 246 |
| 864.44 | 2 | 1145.29 | 243 |
| 867.95 | 1 | 1162.94 | 244 |
| 869.75 | 5 | 1167.53 | 245 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: POOL (POOL)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 361.660764 | Sum Observations | 90053.5302 |
| Std Deviation | 25.1207568 | Variance | 631.052422 |
| Skewness | 0.21848932 | Kurtosis | -0.8341987 |
| Uncorrected SS | 32725329.5 | Corrected SS | 156501.001 |
| Coeff Variation | 6.94594474 | Std Error Mean | 1.59196328 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 361.6608 | Std Deviation | 25.12076 |
| Median | 354.7500 | Variance | 631.05242 |
| Mode | 343.7000 | Range | 109.47000 |
| | | Interquartile Range | 38.19998 |

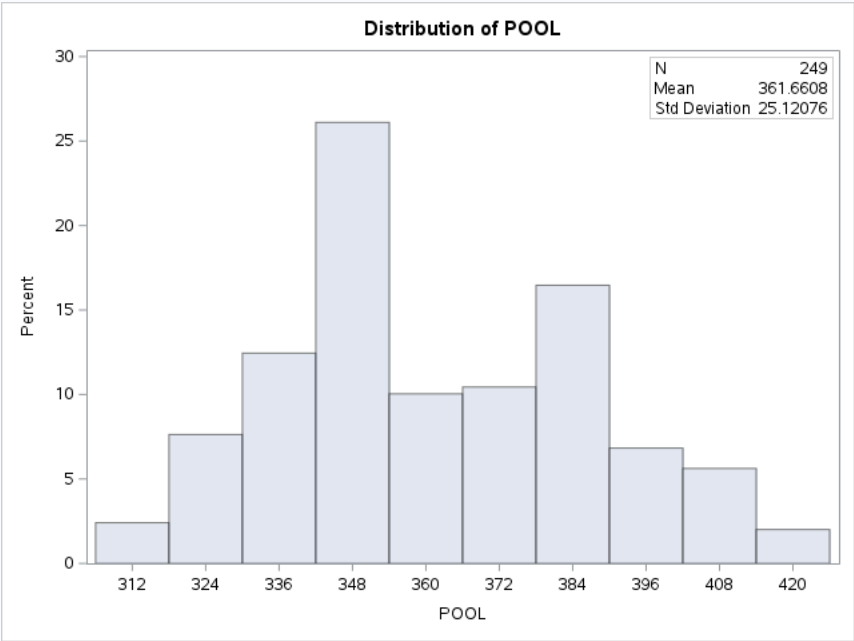
Note: The mode displayed is the smallest of 2 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 227.1791 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 418.97 |
| 99% | 415.06 |
| 95% | 403.74 |
| 90% | 397.30 |
| 75% Q3 | 381.90 |
| 50% Median | 354.75 |
| 25% Q1 | 343.70 |
| 10% | 329.03 |
| 5% | 322.77 |
| 1% | 315.77 |
| 0% Min | 309.50 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 309.50 | 145 | 414.15 | 234 |
| 313.02 | 42 | 414.62 | 248 |
| 315.77 | 147 | 415.06 | 235 |
| 315.84 | 144 | 416.38 | 245 |
| 316.23 | 41 | 418.97 | 244 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: PHM (PHM)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 84.8304016 | Sum Observations | 21122.77 |
| Std Deviation | 15.9090186 | Variance | 253.096874 |
| Skewness | 0.40114586 | Kurtosis | -1.029564 |
| Uncorrected SS | 1854621.09 | Corrected SS | 62768.0247 |
| Coeff Variation | 18.7539117 | Std Error Mean | 1.00819309 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 84.83040 | Std Deviation | 15.90902 |
| Median | 80.98000 | Variance | 253.09687 |
| Mode | 73.93000 | Range | 62.78000 |
| | | Interquartile Range | 29.55000 |

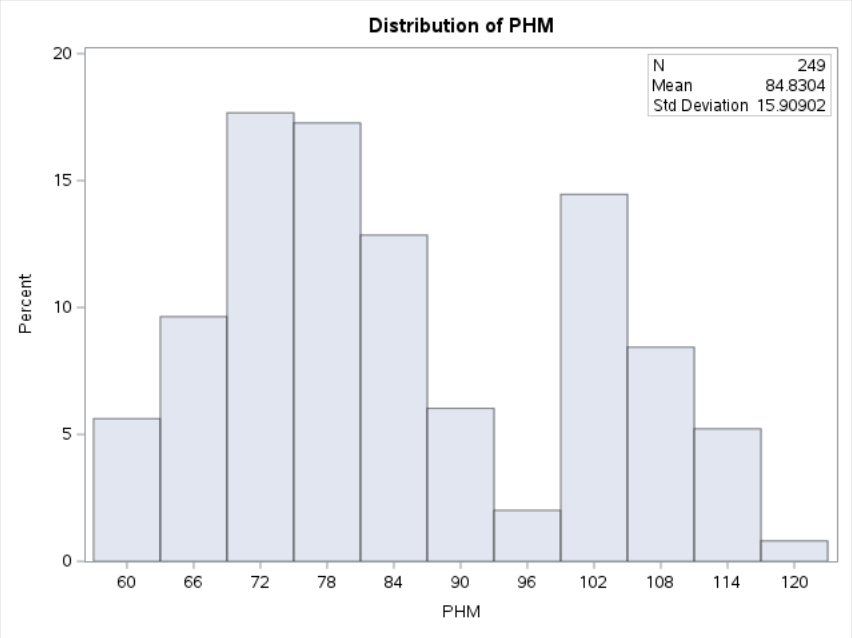
Note: The mode displayed is the smallest of 7 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 84.14103 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 120.62 |
| 99% | 116.45 |
| 95% | 111.41 |
| 90% | 106.43 |
| 75% Q3 | 102.43 |
| 50% Median | 80.98 |
| 25% Q1 | 72.88 |
| 10% | 66.37 |
| 5% | 62.81 |
| 1% | 58.42 |
| 0% Min | 57.84 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 57.84 | 4 | 115.99 | 247 |
| 58.33 | 5 | 116.06 | 244 |
| 58.42 | 2 | 116.45 | 245 |
| 58.63 | 3 | 118.01 | 248 |
| 59.00 | 1 | 120.62 | 249 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: RL (RL)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 131.242771 | Sum Observations | 32679.45 |
| Std Deviation | 23.2929327 | Variance | 542.560712 |
| Skewness | 1.35485788 | Kurtosis | 0.63453609 |
| Uncorrected SS | 4423496.64 | Corrected SS | 134555.057 |
| Coeff Variation | 17.7479738 | Std Error Mean | 1.47612963 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 131.2428 | Std Deviation | 23.29293 |
| Median | 121.8000 | Variance | 542.56071 |
| Mode | 113.7000 | Range | 84.33000 |
| | | Interquartile Range | 27.06001 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 88.91006 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 190.42 |
| 99% | 188.44 |
| 95% | 183.70 |
| 90% | 180.32 |
| 75% Q3 | 141.85 |
| 50% Median | 121.80 |
| 25% Q1 | 114.79 |
| 10% | 112.14 |
| 5% | 109.84 |
| 1% | 107.96 |
| 0% Min | 106.09 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 106.09 | 42 | 187.60 | 245 |
| 106.31 | 41 | 187.76 | 249 |
| 107.96 | 36 | 188.44 | 225 |
| 108.22 | 37 | 190.32 | 243 |
| 108.82 | 35 | 190.42 | 244 |

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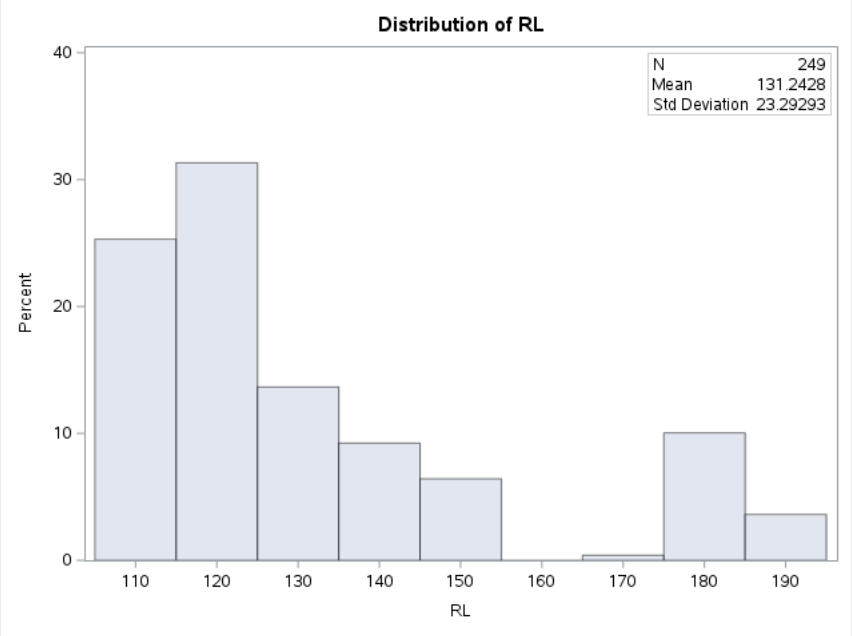
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: ROST (ROST)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 121.802249 | Sum Observations | 30328.76 |
| Std Deviation | 15.0972395 | Variance | 227.926642 |
| Skewness | 0.44865605 | Kurtosis | -1.2317809 |
| Uncorrected SS | 3750636.98 | Corrected SS | 56525.8072 |
| Coeff Variation | 12.3948775 | Std Error Mean | 0.95674868 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 121.8022 | Std Deviation | 15.09724 |
| Median | 116.3900 | Variance | 227.92664 |
| Mode | 108.9200 | Range | 49.55000 |
| | | Interquartile Range | 26.96001 |

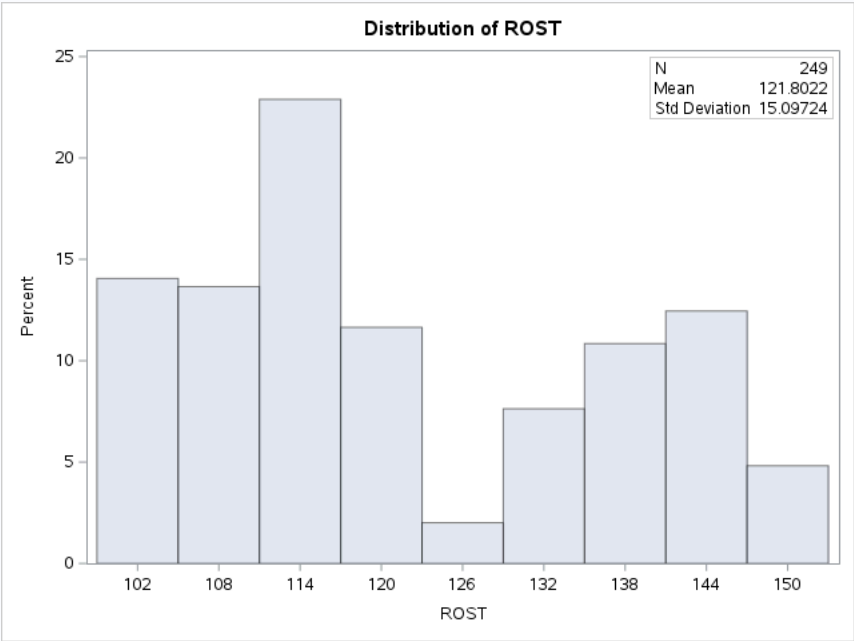
Note: The mode displayed is the smallest of 8 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 127.3085 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 150.45 |
| 99% | 149.63 |
| 95% | 146.98 |
| 90% | 145.37 |
| 75% Q3 | 135.88 |
| 50% Median | 116.39 |
| 25% Q1 | 108.92 |
| 10% | 104.19 |
| 5% | 103.26 |
| 1% | 101.88 |
| 0% Min | 100.90 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 100.90 | 42 | 149.17 | 232 |
| 101.46 | 37 | 149.62 | 227 |
| 101.88 | 36 | 149.63 | 230 |
| 101.95 | 27 | 149.96 | 231 |
| 101.99 | 46 | 150.45 | 228 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: RCL (RCL)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 101.247108 | Sum Observations | 25210.53 |
| Std Deviation | 19.7788001 | Variance | 391.200935 |
| Skewness | -0.2172532 | Kurtosis | -0.6828914 |
| Uncorrected SS | 2649511.09 | Corrected SS | 97017.8319 |
| Coeff Variation | 19.5351754 | Std Error Mean | 1.25343053 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 101.2471 | Std Deviation | 19.77880 |
| Median | 100.5300 | Variance | 391.20094 |
| Mode | 97.3500 | Range | 80.16000 |
| | | Interquartile Range | 31.43000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 80.776 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 139.72 |
| 99% | 136.87 |
| 95% | 129.41 |
| 90% | 127.00 |
| 75% Q3 | 120.30 |
| 50% Median | 100.53 |
| 25% Q1 | 88.87 |
| 10% | 75.61 |
| 5% | 63.16 |
| 1% | 61.28 |
| 0% Min | 59.56 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 59.56 | 17 | 136.02 | 245 |
| 60.39 | 16 | 136.27 | 246 |
| 61.28 | 4 | 136.87 | 247 |
| 61.58 | 7 | 139.01 | 249 |
| 61.66 | 18 | 139.72 | 248 |

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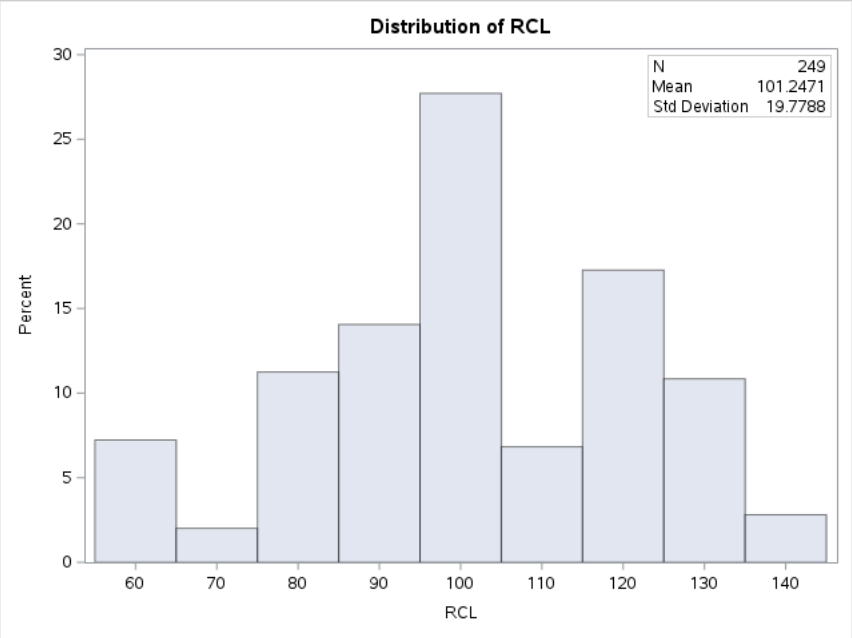
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: SBUX (SBUX)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 98.0902812 | Sum Observations | 24424.48 |
| Std Deviation | 5.35950115 | Variance | 28.7242526 |
| Skewness | 0.68252889 | Kurtosis | -0.091519 |
| Uncorrected SS | 2402927.73 | Corrected SS | 7123.61465 |
| Coeff Variation | 5.46384523 | Std Error Mean | 0.33964459 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 98.09028 | Std Deviation | 5.35950 |
| Median | 97.23000 | Variance | 28.72425 |
| Mode | 95.67000 | Range | 25.08000 |
| | | Interquartile Range | 8.11000 |

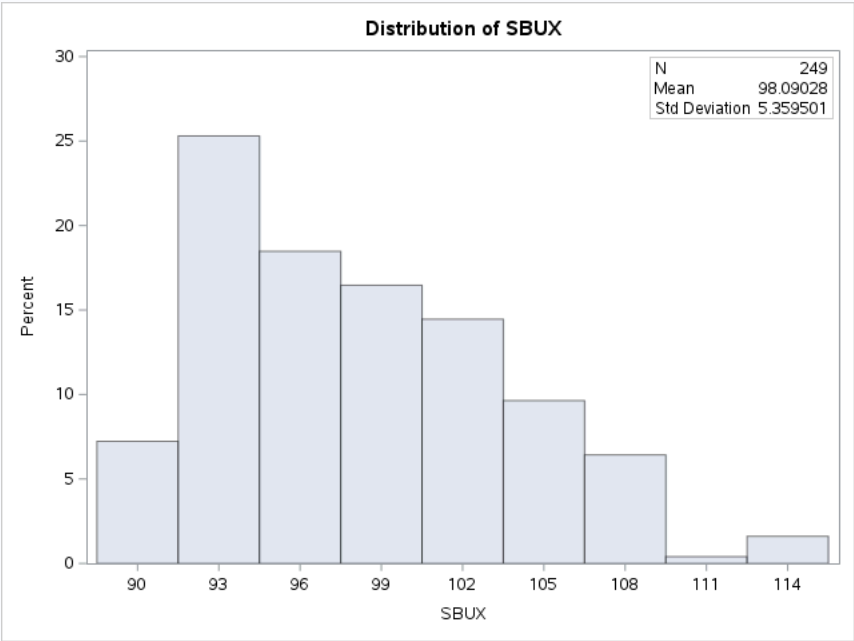
Note: The mode displayed is the smallest of 2 modes with a count of 3.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 288.8027 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 114.56 |
| 99% | 114.29 |
| 95% | 107.21 |
| 90% | 105.69 |
| 75% Q3 | 101.61 |
| 50% Median | 97.23 |
| 25% Q1 | 93.50 |
| 10% | 91.77 |
| 5% | 91.22 |
| 1% | 90.36 |
| 0% Min | 89.48 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 89.48 | 127 | 111.47 | 17 |
| 90.12 | 240 | 112.75 | 18 |
| 90.36 | 247 | 114.29 | 19 |
| 90.67 | 246 | 114.46 | 21 |
| 90.71 | 245 | 114.56 | 20 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: TPR (TPR)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 37.9315261 | Sum Observations | 9444.95 |
| Std Deviation | 6.26345469 | Variance | 39.2308647 |
| Skewness | -0.257174 | Kurtosis | -1.1605594 |
| Uncorrected SS | 367990.622 | Corrected SS | 9729.25443 |
| Coeff Variation | 16.5125302 | Std Error Mean | 0.39693031 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 37.93153 | Std Deviation | 6.26345 |
| Median | 39.46000 | Variance | 39.23086 |
| Mode | 27.46000 | Range | 21.96000 |
| | | Interquartile Range | 10.25000 |

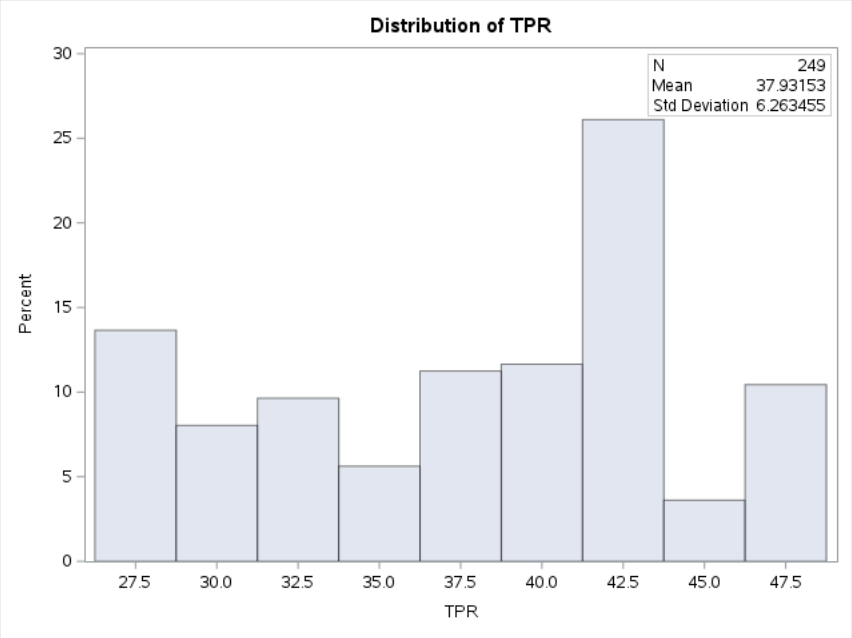
Note: The mode displayed is the smallest of 21 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 95.56218 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 48.55 |
| 99% | 47.80 |
| 95% | 47.28 |
| 90% | 46.68 |
| 75% Q3 | 42.85 |
| 50% Median | 39.46 |
| 25% Q1 | 32.60 |
| 10% | 28.16 |
| 5% | 27.86 |
| 1% | 27.39 |
| 0% Min | 26.59 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 26.59 | 148 | 47.78 | 232 |
| 27.33 | 149 | 47.80 | 224 |
| 27.39 | 134 | 47.80 | 238 |
| 27.46 | 153 | 48.09 | 244 |
| 27.46 | 151 | 48.55 | 225 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: TSLA (TSLA)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 222.7751 | Sum Observations | 55470.9999 |
| Std Deviation | 35.4672559 | Variance | 1257.92624 |
| Skewness | -0.1855399 | Kurtosis | -1.2152882 |
| Uncorrected SS | 12669523.3 | Corrected SS | 311965.709 |
| Coeff Variation | 15.9206554 | Std Error Mean | 2.24764602 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 222.7751 | Std Deviation | 35.46726 |
| Median | 233.1900 | Variance | 1258 |
| Mode | 194.7700 | Range | 139.59000 |
| | | Interquartile Range | 65.03999 |

Note: The mode displayed is the smallest of 2 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 99.11485 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 293.34 |
| 99% | 290.38 |
| 95% | 273.58 |
| 90% | 264.61 |
| 75% Q3 | 253.18 |
| 50% Median | 233.19 |
| 25% Q1 | 188.14 |
| 10% | 172.63 |
| 5% | 165.08 |
| 1% | 160.31 |
| 0% Min | 153.75 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 153.75 | 17 | 281.38 | 71 |
| 160.19 | 18 | 282.48 | 64 |
| 160.31 | 21 | 290.38 | 72 |
| 160.61 | 22 | 291.26 | 74 |
| 160.67 | 16 | 293.34 | 73 |

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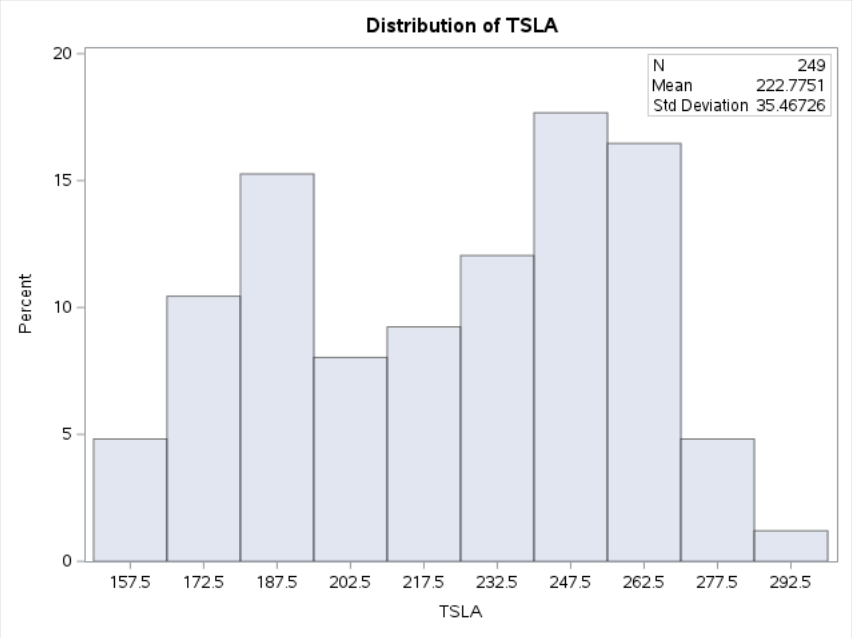
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: TJX (TJX)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 88.368313 | Sum Observations | 22003.7099 |
| Std Deviation | 6.75686437 | Variance | 45.6552161 |
| Skewness | -0.1519241 | Kurtosis | -0.9188744 |
| Uncorrected SS | 1955753.22 | Corrected SS | 11322.4936 |
| Coeff Variation | 7.64625253 | Std Error Mean | 0.42819888 |

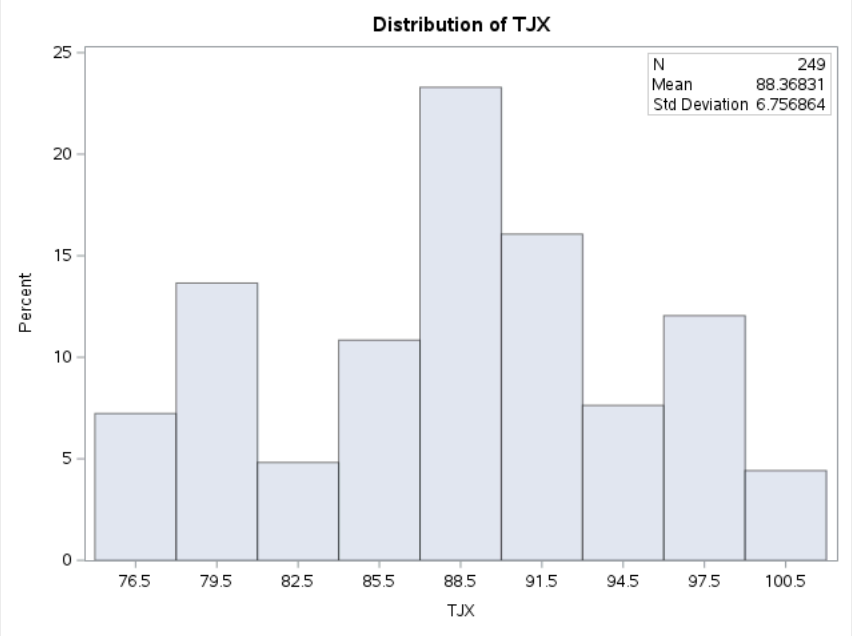
| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 88.36831 | Std Deviation | 6.75686 |
| Median | 89.04000 | Variance | 45.65522 |
| Mode | 89.10000 | Range | 25.48000 |
| | | Interquartile Range | 9.22000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 206.3721 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 101.42 |
| 99% | 101.08 |
| 95% | 98.75 |
| 90% | 97.94 |
| 75% Q3 | 92.79 |
| 50% Median | 89.04 |
| 25% Q1 | 83.57 |
| 10% | 78.22 |
| 5% | 77.49 |
| 1% | 76.70 |
| 0% Min | 75.94 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 75.94 | 38 | 99.48 | 245 |
| 76.65 | 42 | 100.52 | 227 |
| 76.70 | 7 | 101.08 | 248 |
| 76.76 | 40 | 101.10 | 228 |
| 76.79 | 41 | 101.42 | 249 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: TSCO (TSCO)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 222.068956 | Sum Observations | 55295.1701 |
| Std Deviation | 16.8065032 | Variance | 282.458551 |
| Skewness | 0.44074634 | Kurtosis | -0.3773038 |
| Uncorrected SS | 12349390.4 | Corrected SS | 70049.7207 |
| Coeff Variation | 7.56814619 | Std Error Mean | 1.06506887 |

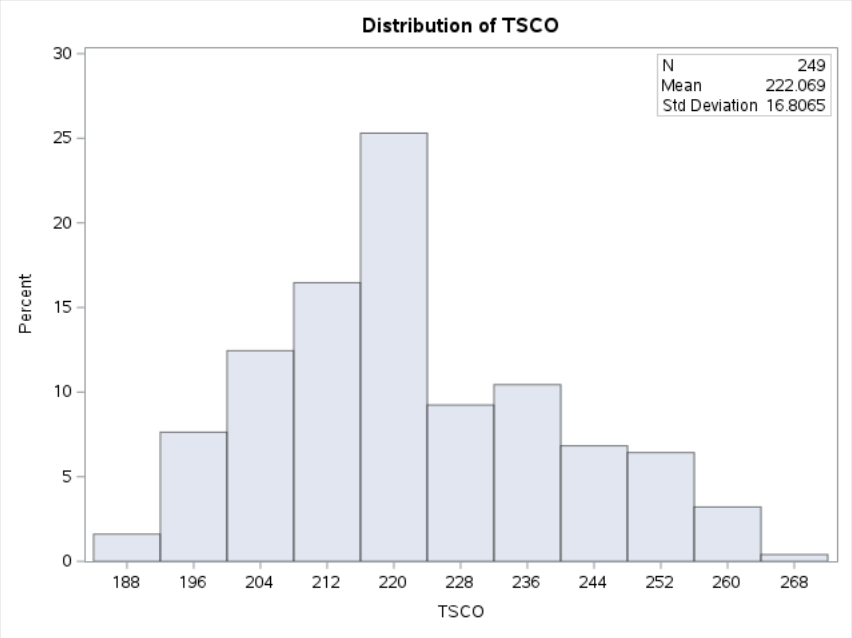
| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 222.0690 | Std Deviation | 16.80650 |
| Median | 219.3200 | Variance | 282.45855 |
| Mode | 219.0000 | Range | 78.36001 |
| | | Interquartile Range | 22.98000 |

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 208.502 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 266.17 |
| 99% | 261.72 |
| 95% | 253.67 |
| 90% | 248.59 |
| 75% Q3 | 233.79 |
| 50% Median | 219.32 |
| 25% Q1 | 210.81 |
| 10% | 200.71 |
| 5% | 198.07 |
| 1% | 190.56 |
| 0% Min | 187.81 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 187.81 | 145 | 258.68 | 246 |
| 188.79 | 144 | 260.44 | 248 |
| 190.56 | 148 | 261.72 | 249 |
| 191.19 | 146 | 262.97 | 245 |
| 192.56 | 147 | 266.17 | 244 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: ULTA (ULTA)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 465.829196 | Sum Observations | 115991.47 |
| Std Deviation | 53.8875985 | Variance | 2903.87328 |
| Skewness | -0.0028787 | Kurtosis | -1.1641269 |
| Uncorrected SS | 54752373.7 | Corrected SS | 720160.573 |
| Coeff Variation | 11.5681024 | Std Error Mean | 3.4149878 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 465.8292 | Std Deviation | 53.88760 |
| Median | 472.0300 | Variance | 2904 |
| Mode | 447.9100 | Range | 195.32999 |
| | | Interquartile Range | 98.03003 |

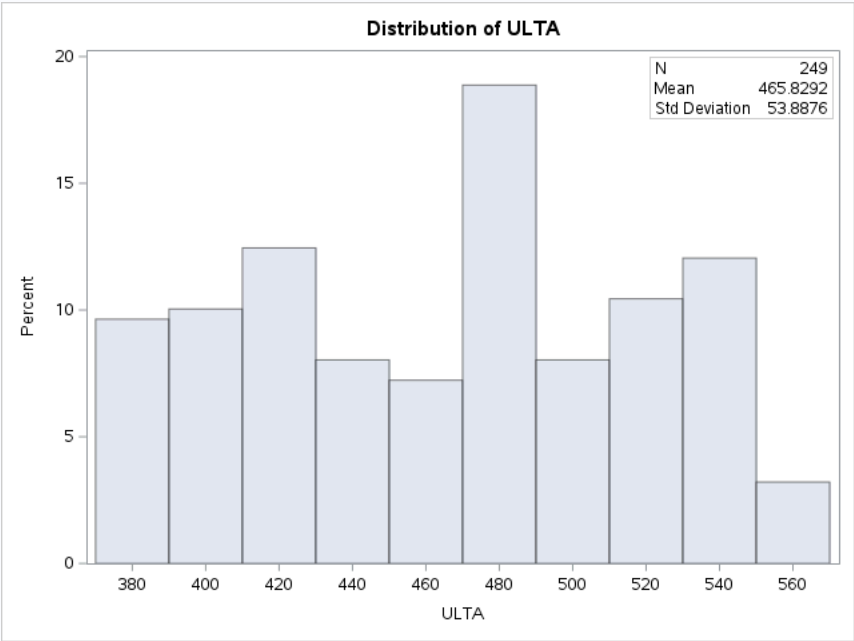
Note: The mode displayed is the smallest of 2 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 136.4073 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 567.18 |
| 99% | 561.41 |
| 95% | 548.56 |
| 90% | 541.52 |
| 75% Q3 | 513.52 |
| 50% Median | 472.03 |
| 25% Q1 | 415.49 |
| 10% | 390.50 |
| 5% | 381.31 |
| 1% | 372.86 |
| 0% Min | 371.85 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 371.85 | 140 | 556.32 | 226 |
| 372.50 | 138 | 559.16 | 228 |
| 372.86 | 139 | 561.41 | 227 |
| 373.08 | 141 | 565.44 | 239 |
| 375.46 | 148 | 567.18 | 238 |

The UNIVARIATE Procedure




The UNIVARIATE Procedure
Variable: WYNN (WYNN)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 98.8057833 | Sum Observations | 24602.64 |
| Std Deviation | 8.08616844 | Variance | 65.3861201 |
| Skewness | -0.0251639 | Kurtosis | -0.9631381 |
| Uncorrected SS | 2447098.88 | Corrected SS | 16215.7578 |
| Coeff Variation | 8.18390197 | Std Error Mean | 0.5124401 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 98.80578 | Std Deviation | 8.08617 |
| Median | 99.51000 | Variance | 65.38612 |
| Mode | 90.65000 | Range | 33.39000 |
| | | Interquartile Range | 12.84000 |

Note: The mode displayed is the smallest of 8 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 192.8143 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 115.60 |
| 99% | 114.28 |
| 95% | 111.63 |
| 90% | 109.51 |
| 75% Q3 | 105.25 |
| 50% Median | 99.51 |
| 25% Q1 | 92.41 |
| 10% | 87.54 |
| 5% | 86.06 |
| 1% | 82.53 |
| 0% Min | 82.21 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 82.21 | 171 | 113.69 | 13 |
| 82.40 | 172 | 114.11 | 14 |
| 82.53 | 173 | 114.28 | 19 |
| 83.67 | 167 | 114.48 | 15 |
| 83.89 | 170 | 115.60 | 20 |

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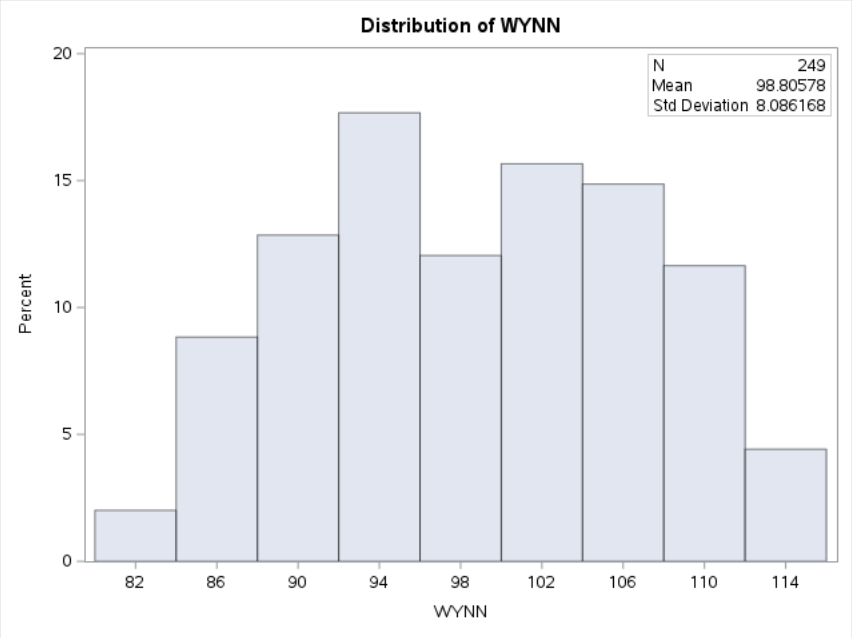
The UNIVARIATE Procedure

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The UNIVARIATE Procedure
Variable: YUM (YUM)

| Moments | | | |
|---|---|---|---|
| N | 249 | Sum Weights | 249 |
| Mean | 131.33245 | Sum Observations | 32701.78 |
| Std Deviation | 5.6839797 | Variance | 32.3076253 |
| Skewness | -0.4430625 | Kurtosis | -0.4465486 |
| Uncorrected SS | 4302817.17 | Corrected SS | 8012.29106 |
| Coeff Variation | 4.32793244 | Std Error Mean | 0.36020758 |

| Basic Statistical Measures | | | |
|---|---|---|---|
| Location | | Variability | |
| Mean | 131.3324 | Std Deviation | 5.68398 |
| Median | 131.1100 | Variance | 32.30763 |
| Mode | 119.4400 | Range | 26.64999 |
| | | Interquartile Range | 8.49001 |

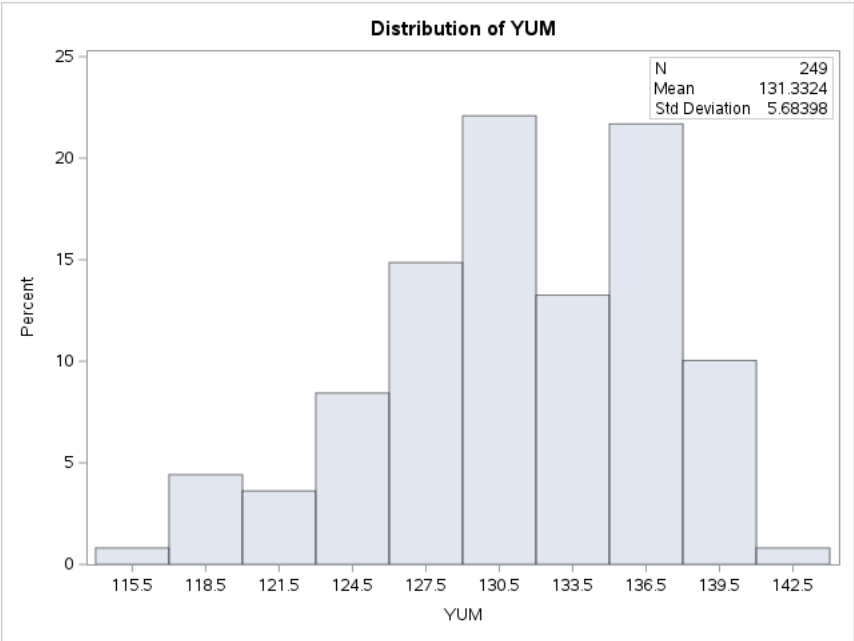
Note: The mode displayed is the smallest of 10 modes with a count of 2.

| Tests for Location: Mu0=0 | | | | |
|---|---|---|---|---|
| Test | Statistic | | p Value | |
| Student's t | t | 364.6021 | Pr > \|t\| | <.0001 |
| Sign | M | 124.5 | Pr >= \|M\| | <.0001 |
| Signed Rank | S | 15562.5 | Pr >= \|S\| | <.0001 |

| Quantiles (Definition 5) | |
|---|---|
| Level | Quantile |
| 100% Max | 142.90 |
| 99% | 140.74 |
| 95% | 138.70 |
| 90% | 138.28 |
| 75% Q3 | 136.32 |
| 50% Median | 131.11 |
| 25% Q1 | 127.83 |
| 10% | 124.08 |
| 5% | 119.95 |
| 1% | 118.38 |
| 0% Min | 116.25 |

| Extreme Observations | | | |
|---|---|---|---|
| Lowest | | Highest | |
| Value | Obs | Value | Obs |
| 116.25 | 134 | 140.38 | 234 |
| 116.88 | 135 | 140.58 | 19 |
| 118.38 | 133 | 140.74 | 237 |
| 118.45 | 136 | 142.23 | 20 |
| 118.75 | 144 | 142.90 | 21 |

The UNIVARIATE Procedure




The MEANS Procedure

| Variable | Label | N | Mean | Std Dev | Minimum | Maximum |
|---|---|---|---|---|---|---|
| ABNB | ABNB | 249 | 133.7677911 | 15.3263562 | 104.4199980 | 168.1799930 |
| AMZN | AMZN | 249 | 138.6968676 | 20.8658906 | 97.8300020 | 180.3800050 |
| APTV | APTV | 249 | 92.3150602 | 10.6571579 | 72.8099980 | 112.4000020 |
| AZO | AZO | 249 | 2626.37 | 189.3399497 | 2306.65 | 3239.32 |
| BBWI | BBWI | 249 | 37.8402812 | 5.1452171 | 28.1200010 | 50.0200000 |
| BBY | BBY | 249 | 74.6114456 | 4.6872924 | 62.8800010 | 84.9499970 |
| BKNG | BKNG | 249 | 3085.72 | 361.2589062 | 2508.77 | 3901.99 |
| BWA | BWA | 249 | 38.0003005 | 4.4316162 | 30.1600000 | 46.9500010 |
| CCL | CCL | 249 | 14.7639760 | 2.8257230 | 8.7600000 | 19.2999990 |
| CMG | CMG | 249 | 2138.46 | 295.6001555 | 1685.21 | 2955.53 |
| CZR | CZR | 249 | 46.5801405 | 4.7428816 | 38.5400010 | 59.3800010 |
| DECK | DECK | 249 | 614.0608803 | 145.2277147 | 440.3299870 | 952.9400020 |
| DHI | DHI | 249 | 125.3959841 | 18.2015119 | 95.6399990 | 164.5500030 |
| DPZ | DPZ | 249 | 377.1571071 | 45.8538145 | 289.8500060 | 496.8800050 |
| DRI | DRI | 249 | 158.2022893 | 9.2822070 | 134.0000000 | 175.8899990 |
| EBAY | EBAY | 249 | 43.9429315 | 2.8935649 | 37.9900020 | 52.7799990 |
| ETSY | ETSY | 249 | 79.1087147 | 12.4940096 | 60.6600000 | 109.6399990 |
| EXPE | EXPE | 249 | 118.1331729 | 20.4701717 | 89.1699980 | 159.4700010 |
| F | F | 249 | 12.2204418 | 1.1639530 | 9.7000000 | 15.3500000 |
| GM | GM | 249 | 34.9191968 | 3.8403209 | 26.6500000 | 45.3499980 |
| GPC | GPC | 249 | 150.4542972 | 11.7567885 | 127.1200030 | 173.7299960 |
| GRMN | GRMN | 249 | 113.6753812 | 13.6050446 | 95.1999970 | 148.8699950 |
| HAS | HAS | 249 | 56.5345784 | 7.5241628 | 42.8800010 | 72.9199980 |
| HD | HD | 249 | 322.7797990 | 29.8398244 | 276.4599910 | 395.2000120 |
| HLT | HLT | 249 | 163.1328919 | 22.0124815 | 136.0800020 | 214.3399960 |
| KMX | KMX | 249 | 74.4864257 | 7.1850039 | 60.3899990 | 87.1100010 |
| LEN | LEN | 249 | 128.2435742 | 18.5495256 | 102.0599980 | 171.9799960 |
| LKQ | LKQ | 249 | 51.3444577 | 4.1888063 | 43.1199990 | 59.0099980 |
| LOW | LOW | 249 | 216.3118475 | 15.4037885 | 183.6199950 | 261.0000000 |
| LULU | LULU | 249 | 411.0938148 | 46.7538578 | 328.3500060 | 511.2900090 |
| LVS | LVS | 249 | 52.9697590 | 5.1790367 | 44.0999980 | 64.8600010 |
| MAR | MAR | 249 | 204.0782727 | 26.0129267 | 161.4700010 | 255.2700040 |
| MCD | MCD | 249 | 284.6121278 | 12.3186810 | 246.1900020 | 300.5299990 |
| MGM | MGM | 249 | 42.4561847 | 3.4089610 | 34.2300000 | 50.9000020 |
| MHK | MHK | 249 | 99.5617671 | 11.6790744 | 76.5599980 | 130.8899990 |
| NCLH | NCLH | 249 | 16.9923695 | 2.6230347 | 12.4600000 | 22.5200000 |
| NKE | NKE | 249 | 107.2533734 | 8.8846968 | 89.4199980 | 127.9199980 |
| NVR | NVR | 249 | 6400.92 | 681.7714256 | 5377.29 | 8099.96 |
| ORLY | ORLY | 249 | 962.9786757 | 63.0477757 | 858.3499760 | 1167.53 |
| PHM | PHM | 249 | 84.8304016 | 15.9090186 | 57.8400000 | 120.6200030 |
| POOL | POOL | 249 | 361.6607638 | 25.1207568 | 309.5000000 | 418.9700010 |
| RCL | RCL | 249 | 101.2471083 | 19.7788001 | 59.5600010 | 139.7200010 |
| RL | RL | 249 | 131.2427712 | 23.2929327 | 106.0899960 | 190.4199980 |
| ROST | ROST | 249 | 121.8022489 | 15.0972395 | 100.9000020 | 150.4499970 |
| SBUX | SBUX | 249 | 98.0902812 | 5.3595012 | 89.4800030 | 114.5599980 |
| TJX | TJX | 249 | 88.3683130 | 6.7568644 | 75.9400020 | 101.4199980 |
| TPR | TPR | 249 | 37.9315261 | 6.2634547 | 26.5900000 | 48.5499990 |
| TSCO | TSCO | 249 | 222.0689562 | 16.8065032 | 187.8099980 | 266.1700130 |
| TSLA | TSLA | 249 | 222.7751001 | 35.4672559 | 153.7500000 | 293.3399960 |
| ULTA | ULTA | 249 | 465.8291959 | 53.8875985 | 371.8500060 | 567.1799930 |
| WYNN | WYNN | 249 | 98.8057833 | 8.0861684 | 82.2099990 | 115.5999980 |
| YUM | YUM | 249 | 131.3324498 | 5.6839797 | 116.2500000 | 142.8999940 |

**The CORR Procedure**

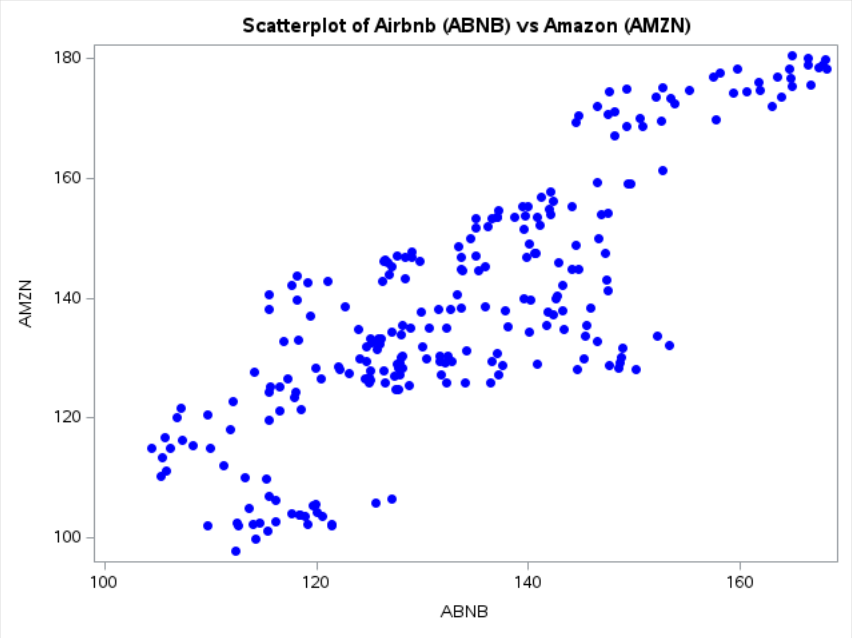
| | |
|---|---|
| **1 With Variables:** | ABNB |
| **52 Variables:** | ABNB AMZN APTV AZO BBWI BBY BKNG BWA CCL CMG CZR DECK DHI DPZ DRI EBAY ETSY EXPE F GM GPC GRMN HAS HD HLT KMX LEN LKQ LOW LULU LVS MAR MCD MGM MHK NCLH NKE NVR ORLY PHM POOL RCL RL ROST SBUX TJX TPR TSCO TSLA ULTA WYNN YUM |

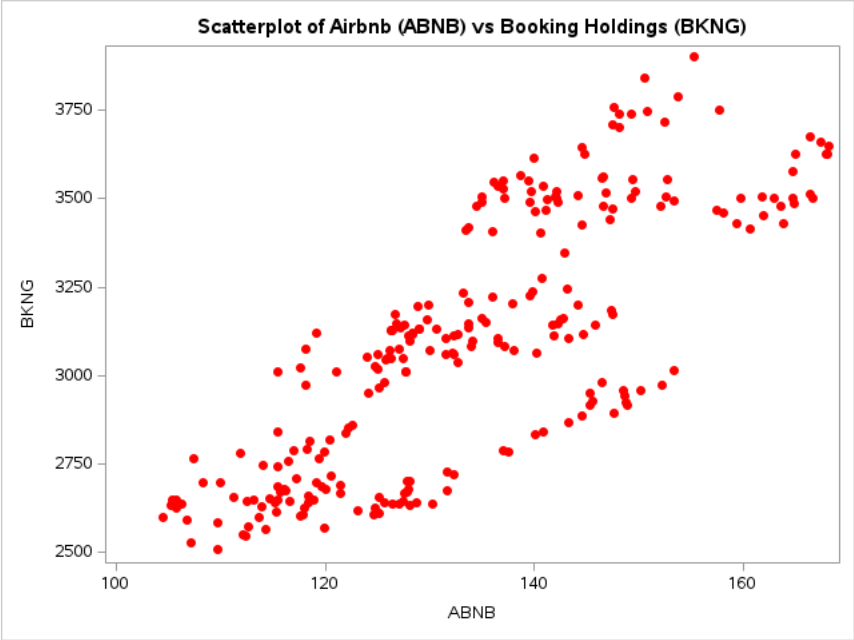
**Simple Statistics**

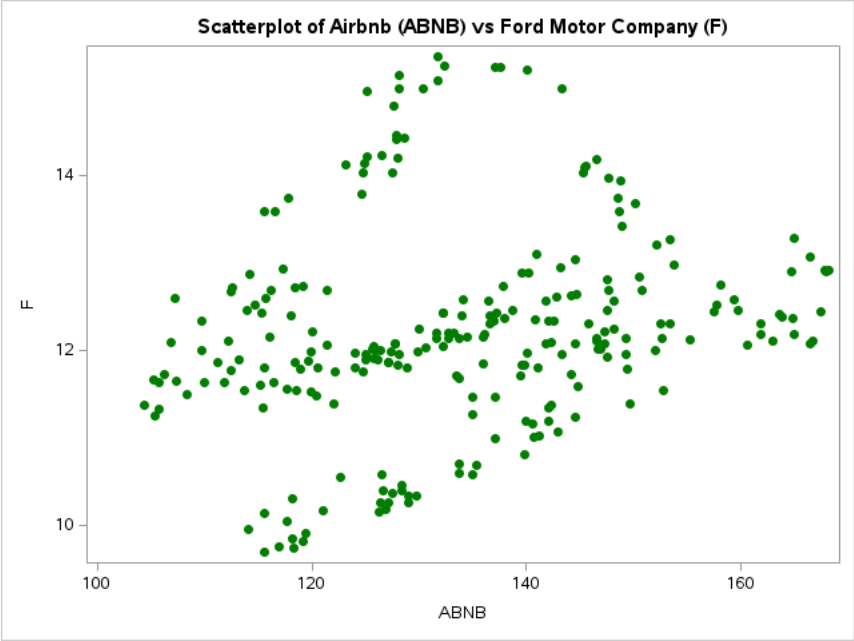
| Variable | N | Mean | Std Dev | Sum | Minimum | Maximum | Label |
|---|---|---|---|---|---|---|---|
| **ABNB** | 249 | 133.76779 | 15.32636 | 33308 | 104.42000 | 168.17999 | ABNB |
| **AMZN** | 249 | 138.69687 | 20.86589 | 34536 | 97.83000 | 180.38001 | AMZN |
| **APTV** | 249 | 92.31506 | 10.65716 | 22986 | 72.81000 | 112.40000 | APTV |
| **AZO** | 249 | 2626 | 189.33995 | 653967 | 2307 | 3239 | AZO |
| **BBWI** | 249 | 37.84028 | 5.14522 | 9422 | 28.12000 | 50.02000 | BBWI |
| **BBY** | 249 | 74.61145 | 4.68729 | 18578 | 62.88000 | 84.95000 | BBY |
| **BKNG** | 249 | 3086 | 361.25891 | 768345 | 2509 | 3902 | BKNG |
| **BWA** | 249 | 38.00030 | 4.43162 | 9462 | 30.16000 | 46.95000 | BWA |
| **CCL** | 249 | 14.76398 | 2.82572 | 3676 | 8.76000 | 19.30000 | CCL |
| **CMG** | 249 | 2138 | 295.60016 | 532477 | 1685 | 2956 | CMG |
| **CZR** | 249 | 46.58014 | 4.74288 | 11598 | 38.54000 | 59.38000 | CZR |
| **DECK** | 249 | 614.06088 | 145.22771 | 152901 | 440.32999 | 952.94000 | DECK |
| **DHI** | 249 | 125.39598 | 18.20151 | 31224 | 95.64000 | 164.55000 | DHI |
| **DPZ** | 249 | 377.15711 | 45.85381 | 93912 | 289.85001 | 496.88001 | DPZ |
| **DRI** | 249 | 158.20229 | 9.28221 | 39392 | 134.00000 | 175.89000 | DRI |
| **EBAY** | 249 | 43.94293 | 2.89356 | 10942 | 37.99000 | 52.78000 | EBAY |
| **ETSY** | 249 | 79.10871 | 12.49401 | 19698 | 60.66000 | 109.64000 | ETSY |
| **EXPE** | 249 | 118.13317 | 20.47017 | 29415 | 89.17000 | 159.47000 | EXPE |
| **F** | 249 | 12.22044 | 1.16395 | 3043 | 9.70000 | 15.35000 | F |
| **GM** | 249 | 34.91920 | 3.84032 | 8695 | 26.65000 | 45.35000 | GM |
| **GPC** | 249 | 150.45430 | 11.75679 | 37463 | 127.12000 | 173.73000 | GPC |
| **GRMN** | 249 | 113.67538 | 13.60504 | 28305 | 95.20000 | 148.87000 | GRMN |
| **HAS** | 249 | 56.53458 | 7.52416 | 14077 | 42.88000 | 72.92000 | HAS |
| **HD** | 249 | 322.77980 | 29.83982 | 80372 | 276.45999 | 395.20001 | HD |
| **HLT** | 249 | 163.13289 | 22.01248 | 40620 | 136.08000 | 214.34000 | HLT |
| **KMX** | 249 | 74.48643 | 7.18500 | 18547 | 60.39000 | 87.11000 | KMX |
| **LEN** | 249 | 128.24357 | 18.54953 | 31933 | 102.06000 | 171.98000 | LEN |
| **LKQ** | 249 | 51.34446 | 4.18881 | 12785 | 43.12000 | 59.01000 | LKQ |
| **LOW** | 249 | 216.31185 | 15.40379 | 53862 | 183.62000 | 261.00000 | LOW |
| **LULU** | 249 | 411.09381 | 46.75386 | 102362 | 328.35001 | 511.29001 | LULU |
| **LVS** | 249 | 52.96976 | 5.17904 | 13189 | 44.10000 | 64.86000 | LVS |

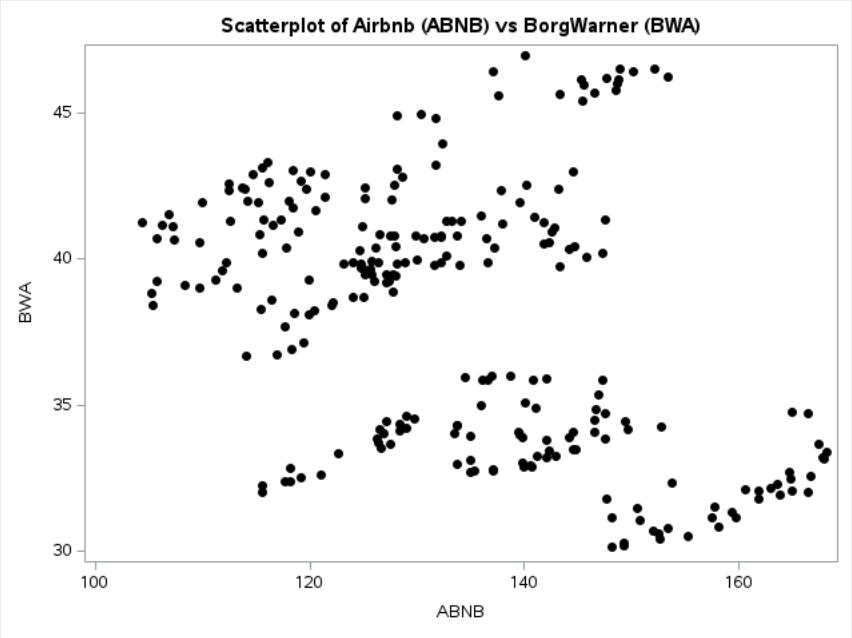
| Simple Statistics | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | N | Mean | Std Dev | Sum | Minimum | Maximum | Label |
| MAR | 249 | 204.07827 | 26.01293 | 50815 | 161.47000 | 255.27000 | MAR |
| MCD | 249 | 284.61213 | 12.31868 | 70868 | 246.19000 | 300.53000 | MCD |
| MGM | 249 | 42.45618 | 3.40896 | 10572 | 34.23000 | 50.90000 | MGM |
| MHK | 249 | 99.56177 | 11.67907 | 24791 | 76.56000 | 130.89000 | MHK |
| NCLH | 249 | 16.99237 | 2.62303 | 4231 | 12.46000 | 22.52000 | NCLH |
| NKE | 249 | 107.25337 | 8.88470 | 26706 | 89.42000 | 127.92000 | NKE |
| NVR | 249 | 6401 | 681.77143 | 1593828 | 5377 | 8100 | NVR |
| ORLY | 249 | 962.97868 | 63.04778 | 239782 | 858.34998 | 1168 | ORLY |
| PHM | 249 | 84.83040 | 15.90902 | 21123 | 57.84000 | 120.62000 | PHM |
| POOL | 249 | 361.66076 | 25.12076 | 90054 | 309.50000 | 418.97000 | POOL |
| RCL | 249 | 101.24711 | 19.77880 | 25211 | 59.56000 | 139.72000 | RCL |
| RL | 249 | 131.24277 | 23.29293 | 32679 | 106.09000 | 190.42000 | RL |
| ROST | 249 | 121.80225 | 15.09724 | 30329 | 100.90000 | 150.45000 | ROST |
| SBUX | 249 | 98.09028 | 5.35950 | 24424 | 89.48000 | 114.56000 | SBUX |
| TJX | 249 | 88.36831 | 6.75686 | 22004 | 75.94000 | 101.42000 | TJX |
| TPR | 249 | 37.93153 | 6.26345 | 9445 | 26.59000 | 48.55000 | TPR |
| TSCO | 249 | 222.06896 | 16.80650 | 55295 | 187.81000 | 266.17001 | TSCO |
| TSLA | 249 | 222.77510 | 35.46726 | 55471 | 153.75000 | 293.34000 | TSLA |
| ULTA | 249 | 465.82920 | 53.88760 | 115991 | 371.85001 | 567.17999 | ULTA |
| WYNN | 249 | 98.80578 | 8.08617 | 24603 | 82.21000 | 115.60000 | WYNN |
| YUM | 249 | 131.33245 | 5.68398 | 32702 | 116.25000 | 142.89999 | YUM |

| | ABNB | AMZN | APTV | AZO | BBWI | BBY | BKNG | BWA | CCL | CMG | CZR | DECK | DHI | DPZ | DRI | EBAY | ETSY | EXPE | F | GM | GPC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ABNB | 1.00000 | 0.83045 | -0.30830 | 0.61715 | 0.68210 | 0.49577 | 0.79076 | -0.40140 | 0.70774 | 0.72334 | 0.12023 | 0.79889 | 0.79638 | 0.89149 | 0.57203 | 0.51569 | -0.32808 | 0.68658 | 0.22206 | 0.68900 | -0.18385 |
| ABNB | | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | 0.0582 | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | <.0001 | 0.0004 | <.0001 | 0.0036 |




Scatterplot of Airbnb (ABNB) vs Booking Holdings (BKNG)
BKNG
3750
3500
3250
3000
2750
2500
100
120
140
160
ABNB


Scatterplot of Airbnb (ABNB) vs Ford Motor Company (F)
F
14
12
10
100
120
140
160
ABNB




## Stepwise Regression Analysis for Predicting Airbnb Stock Prices

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 51 | 56599 | 1109.77910 | 132.04 | <.0001 |
| Error | 197 | 1655.76993 | 8.40492 | | |
| Corrected Total | 248 | 58255 | | | |

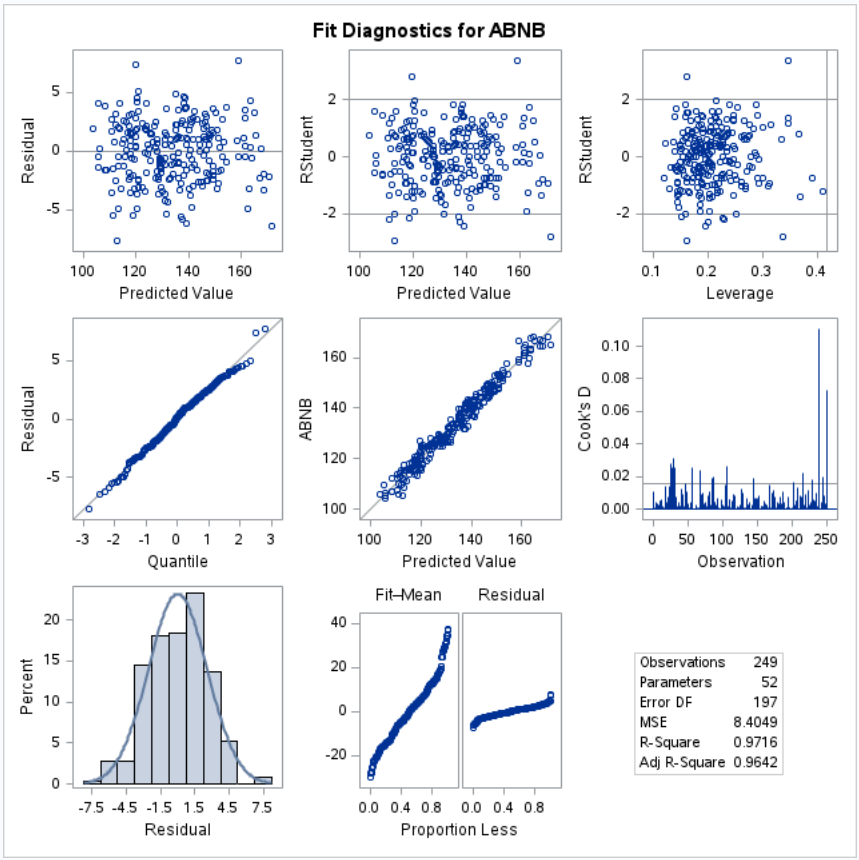
| | | | |
|---|---|---|---|
| Root MSE | 2.89912 | R-Square | 0.9716 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.9642 |
| Coeff Var | 2.16728 | | |

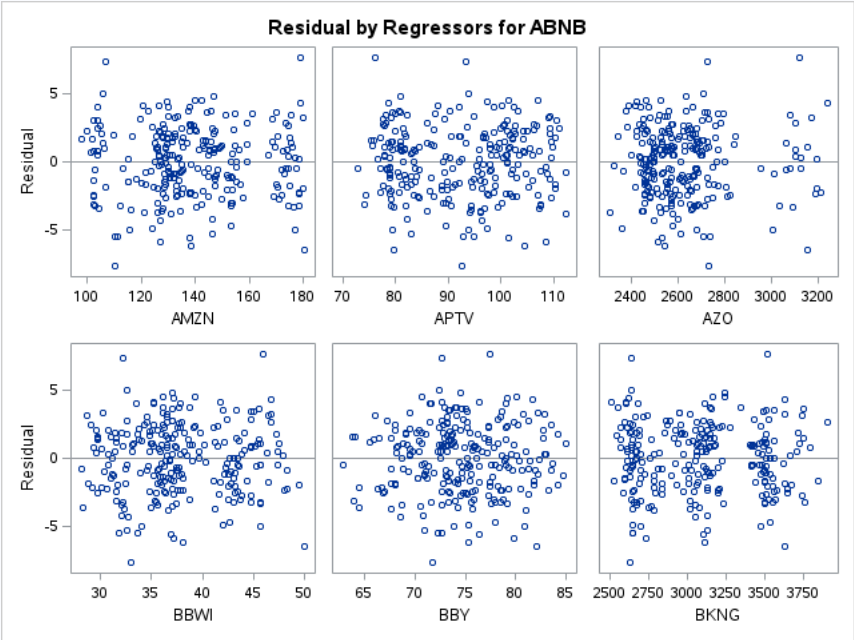
| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | -48.17979 | 26.52852 | -1.82 | 0.0709 | 0 |
| AMZN | AMZN | 1 | -0.15814 | 0.10571 | -1.50 | 0.1363 | 143.55659 |
| APTV | APTV | 1 | 0.19648 | 0.14901 | 1.32 | 0.1888 | 74.40884 |
| AZO | AZO | 1 | 0.00371 | 0.00777 | 0.48 | 0.6337 | 63.81361 |
| BBWI | BBWI | 1 | -0.84195 | 0.19711 | -4.27 | <.0001 | 30.35039 |
| BBY | BBY | 1 | -0.08785 | 0.18426 | -0.48 | 0.6341 | 22.01078 |
| BKNG | BKNG | 1 | -0.00097118 | 0.00436 | -0.22 | 0.8238 | 73.04404 |
| BWA | BWA | 1 | 0.62911 | 0.37112 | 1.70 | 0.0916 | 79.81173 |
| CCL | CCL | 1 | -1.02362 | 0.63339 | -1.62 | 0.1077 | 94.51793 |
| CMG | CMG | 1 | 0.00989 | 0.00536 | 1.85 | 0.0664 | 74.09316 |
| CZR | CZR | 1 | 0.53428 | 0.21943 | 2.43 | 0.0158 | 31.95887 |
| DECK | DECK | 1 | 0.05750 | 0.01872 | 3.07 | 0.0024 | 218.07058 |
| DHI | DHI | 1 | -0.75550 | 0.17954 | -4.21 | <.0001 | 315.11752 |
| DPZ | DPZ | 1 | 0.04364 | 0.03051 | 1.43 | 0.1542 | 57.75121 |
| DRI | DRI | 1 | 0.13547 | 0.12075 | 1.12 | 0.2633 | 37.06859 |
| EBAY | EBAY | 1 | 0.74594 | 0.30822 | 2.42 | 0.0164 | 23.47032 |
| ETSY | ETSY | 1 | -0.12252 | 0.09520 | -1.29 | 0.1996 | 41.74449 |
| EXPE | EXPE | 1 | 0.00736 | 0.07905 | 0.09 | 0.9259 | 77.27086 |
| F | F | 1 | -1.06799 | 1.01133 | -1.06 | 0.2922 | 40.88567 |
| GM | GM | 1 | -0.10565 | 0.44910 | -0.24 | 0.8143 | 87.76768 |
| GPC | GPC | 1 | -0.08173 | 0.12864 | -0.64 | 0.5259 | 67.48864 |
| GRMN | GRMN | 1 | -0.27384 | 0.12091 | -2.26 | 0.0246 | 79.84578 |
| HAS | HAS | 1 | 0.37451 | 0.15247 | 2.46 | 0.0149 | 38.83413 |
| HD | HD | 1 | 0.14824 | 0.08813 | 1.68 | 0.0941 | 204.04484 |
| HLT | HLT | 1 | 0.29304 | 0.18013 | 1.63 | 0.1054 | 463.92064 |
| KMX | KMX | 1 | -0.15805 | 0.12813 | -1.23 | 0.2188 | 25.00823 |
| LEN | LEN | 1 | 0.81501 | 0.21827 | 3.73 | 0.0002 | 483.69825 |
| LKQ | LKQ | 1 | -0.78207 | 0.39476 | -1.98 | 0.0490 | 80.68139 |

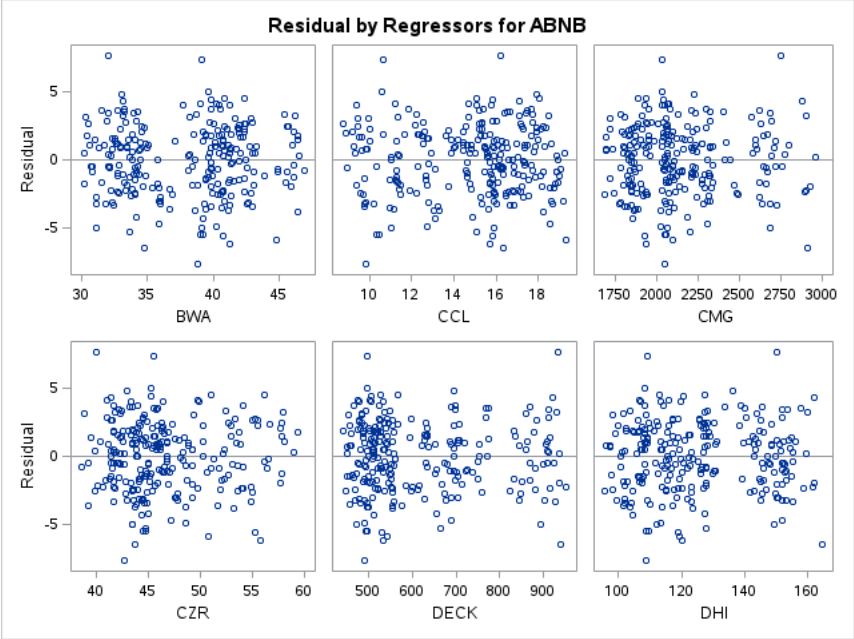
| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| LOW | LOW | 1 | 0.23672 | 0.10968 | 2.16 | 0.0321 | 84.22747 |
| LULU | LULU | 1 | 0.05622 | 0.02160 | 2.60 | 0.0100 | 30.10334 |
| LVS | LVS | 1 | -0.55791 | 0.25922 | -2.15 | 0.0326 | 53.18003 |
| MAR | MAR | 1 | -0.12386 | 0.11909 | -1.04 | 0.2996 | 283.18099 |
| MCD | MCD | 1 | -0.03911 | 0.07536 | -0.52 | 0.6043 | 25.42560 |
| MGM | MGM | 1 | 0.10977 | 0.35523 | 0.31 | 0.7576 | 43.27018 |
| MHK | MHK | 1 | -0.14292 | 0.15389 | -0.93 | 0.3542 | 95.30933 |
| NCLH | NCLH | 1 | 0.18916 | 0.51980 | 0.36 | 0.7163 | 54.85275 |
| NKE | NKE | 1 | 0.19485 | 0.08932 | 2.18 | 0.0303 | 18.58077 |
| NVR | NVR | 1 | -0.00176 | 0.00364 | -0.48 | 0.6304 | 181.92984 |
| ORLY | ORLY | 1 | -0.03473 | 0.02335 | -1.49 | 0.1386 | 63.96955 |
| PHM | PHM | 1 | 0.24298 | 0.27413 | 0.89 | 0.3765 | 561.19412 |
| POOL | POOL | 1 | -0.11884 | 0.04236 | -2.81 | 0.0055 | 33.41739 |
| RCL | RCL | 1 | 0.34765 | 0.13917 | 2.50 | 0.0133 | 223.55656 |
| RL | RL | 1 | 0.21864 | 0.09052 | 2.42 | 0.0166 | 131.17385 |
| ROST | ROST | 1 | -0.49317 | 0.15456 | -3.19 | 0.0017 | 160.66499 |
| SBUX | SBUX | 1 | -0.11132 | 0.16709 | -0.67 | 0.5061 | 23.66326 |
| TJX | TJX | 1 | -0.02926 | 0.26061 | -0.11 | 0.9107 | 91.49487 |
| TPR | TPR | 1 | -0.04615 | 0.28581 | -0.16 | 0.8719 | 94.55581 |
| TSCO | TSCO | 1 | 0.15464 | 0.07742 | 2.00 | 0.0472 | 49.95452 |
| TSLA | TSLA | 1 | 0.11316 | 0.02959 | 3.82 | 0.0002 | 32.50603 |
| ULTA | ULTA | 1 | -0.02417 | 0.02245 | -1.08 | 0.2831 | 43.19223 |
| WYNN | WYNN | 1 | 0.55749 | 0.15381 | 3.62 | 0.0004 | 45.64368 |
| YUM | YUM | 1 | 0.02363 | 0.20239 | 0.12 | 0.9072 | 39.04785 |

## Stepwise Regression Analysis for Predicting Airbnb Stock Prices

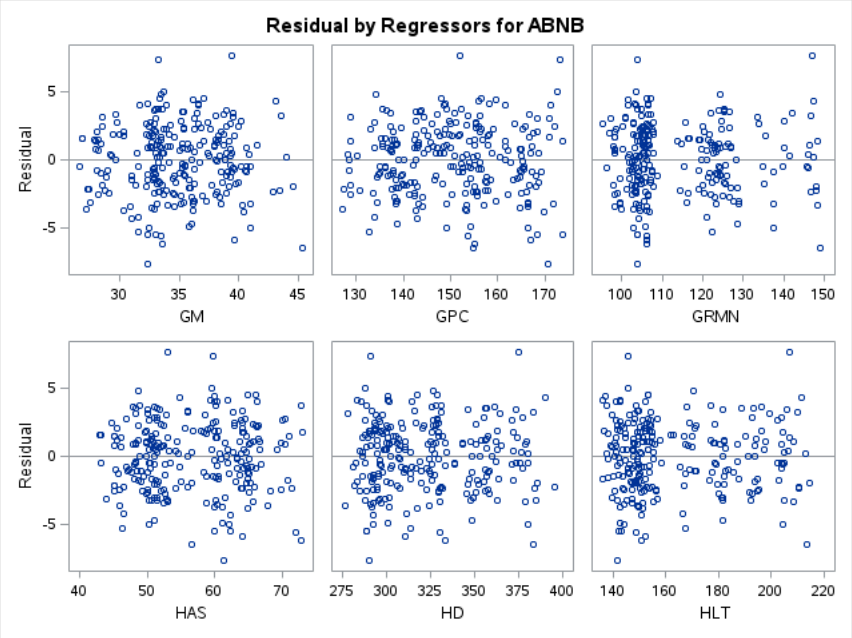
**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**

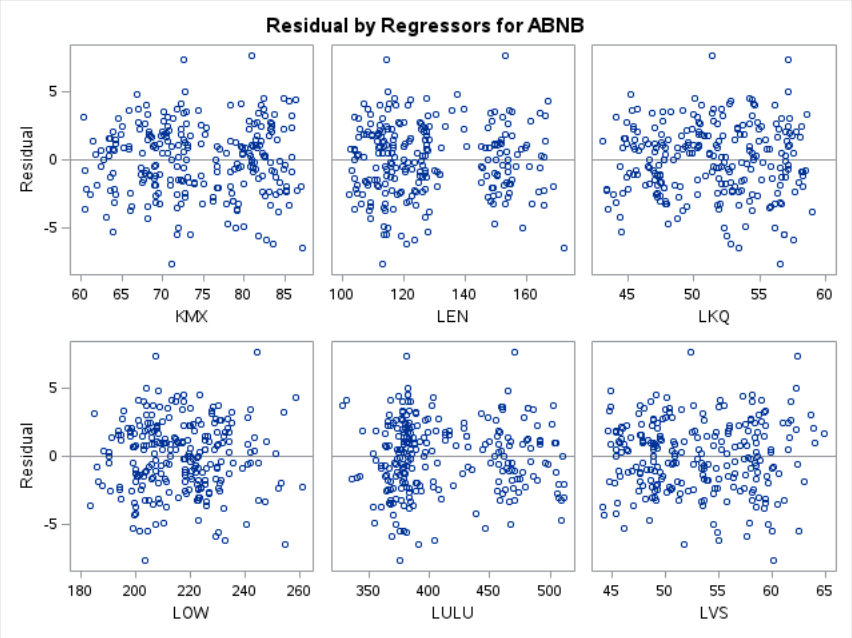


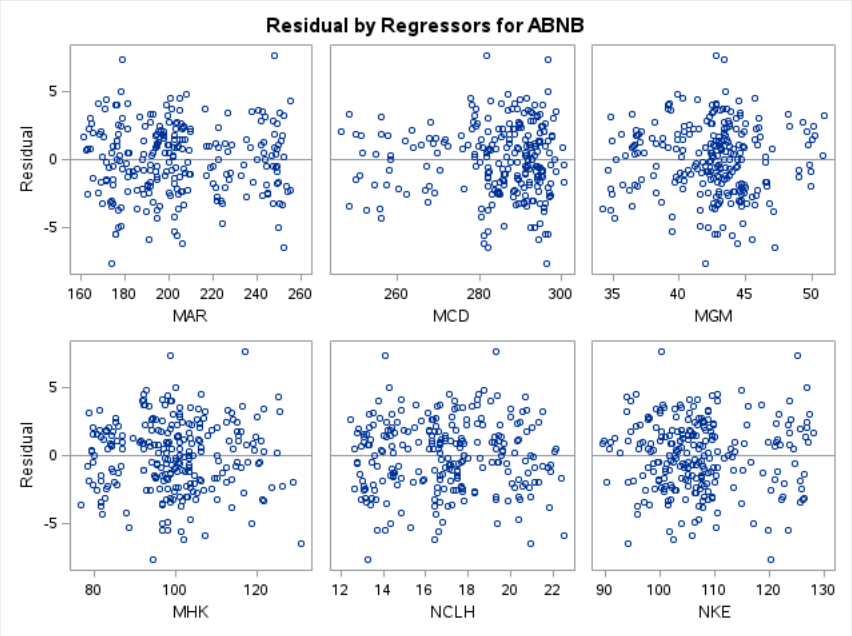

Residual by Regressors for ABNB
Residual
5
0
-5
100 120 140 160 180
AMZN
70 80 90 100 110
APTV
2400 2600 2800 3000 3200
AZO
30 35 40 45 50
BBWI
65 70 75 80 85
BBY
2500 2750 3000 3250 3500 3750
BKNG


Residual by Regressors for ABNB
Residual
5
0
-5
30 35 40 45
BWA
10 12 14 16 18
CCL
1750 2000 2250 2500 2750 3000
CMG
40 45 50 55 60
CZR
500 600 700 800 900
DECK
100 120 140 160
DHI

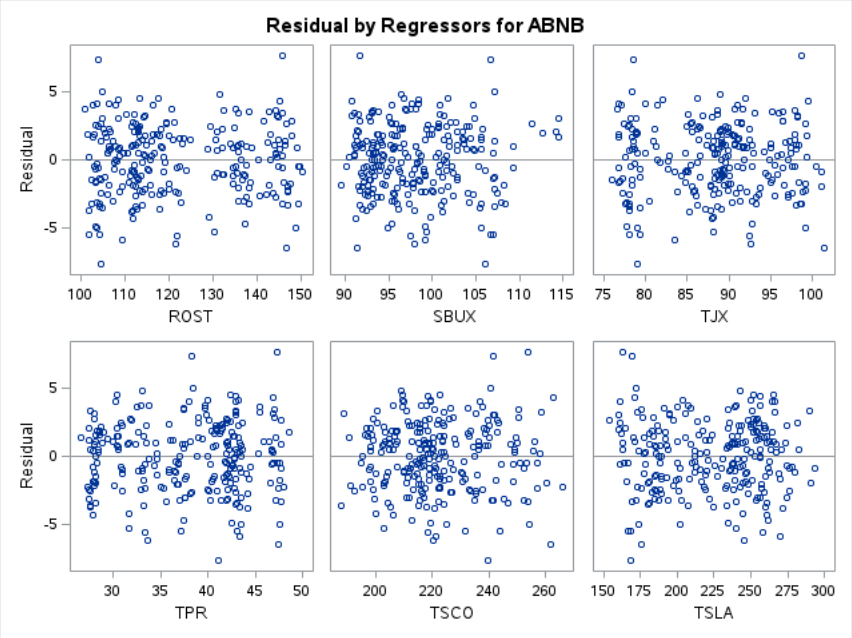
Residual by Regressors for ABNB
Residual
5
0
-5
300 350 400 450 500
DPZ
140 150 160 170
DRI
40 45 50
EBAY
60 70 80 90 100 110
ETSY
100 120 140 160
EXPE
10 12 14
F

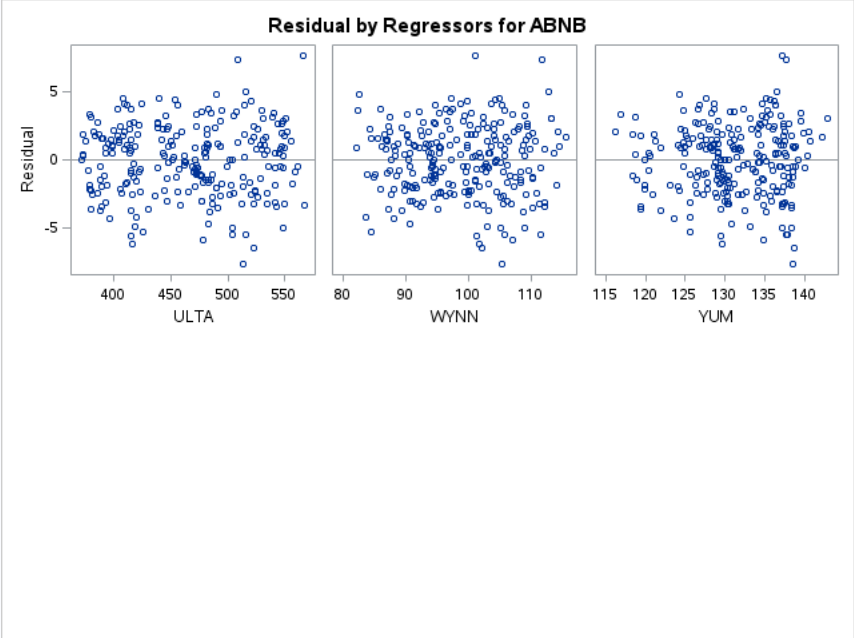

Residual by Regressors for ABNB
Residual
GM
GPC
GRMN
HAS
HD
HLT


Residual by Regressors for ABNB
Residual
KMX
LEN
LKQ
LOW
LULU
LVS


Residual by Regressors for ABNB
Residual
MAR
MCD
MGM
MHK
NCLH
NKE

Residual by Regressors for ABNB
Residual
5
0
-5
6000
7000
8000
NVR
900
1000
1100
ORLY
60
80
100
120
PHM
320
340
360
380
400
420
POOL
60
80
100
120
140
RCL
120
140
160
180
RL


Residual by Regressors for ABNB
Residual
5
0
-5
100
110
120
130
140
150
ROST
90
95
100
105
110
115
SBUX
75
80
85
90
95
100
TJX
30
35
40
45
50
TPR
200
220
240
260
TSCO
150
175
200
225
250
275
300
TSLA




## Refined Stepwise Regression Analysis for Predicting Airbnb Stock Prices

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

**Stepwise Selection: Step 1**

**Variable HD Entered: R-Square = 0.7933 and C(p) = 524.6824**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 1 | 46211 | 46211 | 947.69 | <.0001 |
| Error | 247 | 12044 | 48.76110 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -13.88941 | 4.81683 | 405.43213 | 8.31 | 0.0043 |
| HD | 0.45745 | 0.01486 | 46211 | 947.69 | <.0001 |

**Bounds on condition number: 1, 1**

**Stepwise Selection: Step 2**

**Variable TSLA Entered: R-Square = 0.8335 and C(p) = 376.8341**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 48555 | 24278 | 615.75 | <.0001 |
| Error | 246 | 9699.16512 | 39.42750 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -38.29815 | 5.36457 | 2009.48324 | 50.97 | <.0001 |
| HD | 0.47260 | 0.01351 | 48278 | 1224.47 | <.0001 |
| TSLA | 0.08763 | 0.01136 | 2344.82588 | 59.47 | <.0001 |

**Bounds on condition number: 1.0216, 4.0864**

**Stepwise Selection: Step 3**

**Variable EBAY Entered: R-Square = 0.8631 and C(p) = 268.8349**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 3 | 50277 | 16759 | 514.66 | <.0001 |
| Error | 245 | 7977.89692 | 32.56284 | | |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -72.08659 | 6.73542 | 3729.94123 | 114.55 | <.0001 |
| EBAY | 1.01973 | 0.14026 | 1721.26821 | 52.86 | <.0001 |
| HD | 0.43145 | 0.01352 | 33181 | 1018.98 | <.0001 |
| TSLA | 0.09778 | 0.01042 | 2866.99649 | 88.05 | <.0001 |

**Bounds on condition number: 1.2544, 10.6**

**Stepwise Selection: Step 4**

**Variable DECK Entered: R-Square = 0.8848 and C(p) = 189.9582**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 4 | 51542 | 12886 | 468.40 | <.0001 |
| Error | 244 | 6712.33825 | 27.50958 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -57.00264 | 6.57811 | 2065.72107 | 75.09 | <.0001 |
| EBAY | 1.26939 | 0.13407 | 2466.22604 | 89.65 | <.0001 |
| DECK | 0.04041 | 0.00596 | 1265.55866 | 46.00 | <.0001 |
| HD | 0.25042 | 0.02944 | 1990.47631 | 72.36 | <.0001 |
| TSLA | 0.13172 | 0.01081 | 4087.27046 | 148.58 | <.0001 |

**Bounds on condition number: 6.957, 65.549**

**Stepwise Selection: Step 5**

**Variable CMG Entered: R-Square = 0.8969 and C(p) = 146.8923**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 5 | 52247 | 10449 | 422.70 | <.0001 |
| Error | 243 | 6007.14725 | 24.72077 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -46.49540 | 6.53873 | 1249.95663 | 50.56 | <.0001 |
| CMG | -0.01812 | 0.00339 | 705.19101 | 28.53 | <.0001 |
| EBAY | 1.64462 | 0.14522 | 3170.80124 | 128.26 | <.0001 |
| DECK | 0.07831 | 0.00907 | 1843.12527 | 74.56 | <.0001 |
| HD | 0.21698 | 0.02860 | 1422.74401 | 57.55 | <.0001 |
| TSLA | 0.12849 | 0.01026 | 3875.26315 | 156.76 | <.0001 |

**Bounds on condition number: 17.403, 189.51**

**Stepwise Selection: Step 6**

**Variable HAS Entered: R-Square = 0.9044 and C(p) = 120.8876**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 6 | 52686 | 8780.92907 | 381.58 | <.0001 |
| Error | 242 | 5568.92946 | 23.01211 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -38.03050 | 6.60020 | 764.02268 | 33.20 | <.0001 |
| CMG | -0.01834 | 0.00327 | 721.95094 | 31.37 | <.0001 |
| EBAY | 1.27358 | 0.16389 | 1389.67943 | 60.39 | <.0001 |
| DECK | 0.10190 | 0.01029 | 2258.73425 | 98.15 | <.0001 |
| HAS | 0.33931 | 0.07776 | 438.21779 | 19.04 | <.0001 |
| HD | 0.14789 | 0.03181 | 497.29946 | 21.61 | <.0001 |
| TSLA | 0.11472 | 0.01039 | 2804.47668 | 121.87 | <.0001 |

**Bounds on condition number: 24.046, 308.57**

**Stepwise Selection: Step 7**

**Variable CZR Entered: R-Square = 0.9085 and C(p) = 107.7684**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 7 | 52922 | 7560.30861 | 341.69 | <.0001 |
| Error | 241 | 5332.34362 | 22.12591 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -37.29725 | 6.47575 | 733.96388 | 33.17 | <.0001 |
| CMG | -0.01643 | 0.00326 | 561.30577 | 25.37 | <.0001 |
| EBAY | 1.20348 | 0.16213 | 1219.20868 | 55.10 | <.0001 |
| CZR | 0.41857 | 0.12801 | 236.58584 | 10.69 | 0.0012 |
| DECK | 0.11280 | 0.01062 | 2495.22228 | 112.77 | <.0001 |
| HAS | 0.30426 | 0.07699 | 345.54168 | 15.62 | 0.0001 |
| HD | 0.08386 | 0.03683 | 114.70730 | 5.18 | 0.0237 |
| TSLA | 0.09107 | 0.01250 | 1175.36734 | 53.12 | <.0001 |

**Bounds on condition number: 26.673, 442.4**

**Stepwise Selection: Step 8**

**Variable DRI Entered: R-Square = 0.9167 and C(p) = 79.2161**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 8 | 53400 | 6675.03031 | 330.02 | <.0001 |
| Error | 240 | 4854.26143 | 20.22609 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -28.57216 | 6.44634 | 397.34861 | 19.65 | <.0001 |
| CMG | -0.00524 | 0.00388 | 37.00735 | 1.83 | 0.1774 |
| EBAY | 1.35970 | 0.15830 | 1492.15705 | 73.77 | <.0001 |
| CZR | 0.76901 | 0.14204 | 592.90695 | 29.31 | <.0001 |
| DECK | 0.09534 | 0.01077 | 1584.23481 | 78.33 | <.0001 |
| DRI | -0.29189 | 0.06004 | 478.08219 | 23.64 | <.0001 |
| HAS | 0.16829 | 0.07875 | 92.37869 | 4.57 | 0.0336 |
| HD | 0.11509 | 0.03580 | 209.09025 | 10.34 | 0.0015 |
| TSLA | 0.08508 | 0.01201 | 1015.08259 | 50.19 | <.0001 |

**Bounds on condition number: 30.01, 628.61**

**Stepwise Selection: Step 9**

**Variable CMG Removed: R-Square = 0.9160 and C(p) = 79.5811**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 7 | 53363 | 7623.31930 | 375.61 | <.0001 |
| Error | 241 | 4891.26879 | 20.29572 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -29.02433 | 6.44874 | 411.13034 | 20.26 | <.0001 |
| EBAY | 1.31476 | 0.15505 | 1459.43077 | 71.91 | <.0001 |
| CZR | 0.85068 | 0.12879 | 885.51437 | 43.63 | <.0001 |
| DECK | 0.08612 | 0.00836 | 2155.93692 | 106.23 | <.0001 |
| DRI | -0.34010 | 0.04839 | 1002.38061 | 49.39 | <.0001 |
| HAS | 0.14266 | 0.07656 | 70.46195 | 3.47 | 0.0636 |
| HD | 0.12292 | 0.03539 | 244.89074 | 12.07 | 0.0006 |
| TSLA | 0.08338 | 0.01196 | 985.74390 | 48.57 | <.0001 |

**Bounds on condition number: 17.993, 331.5**

**Stepwise Selection: Step 10**

**Variable HAS Removed: R-Square = 0.9148 and C(p) = 82.0840**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 6 | 53293 | 8882.12886 | 433.21 | <.0001 |
| Error | 242 | 4961.73074 | 20.50302 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -30.82762 | 6.40818 | 474.49180 | 23.14 | <.0001 |
| EBAY | 1.48885 | 0.12436 | 2938.60637 | 143.33 | <.0001 |
| CZR | 0.90259 | 0.12638 | 1045.84594 | 51.01 | <.0001 |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| DECK | 0.07859 | 0.00735 | 2342.71196 | 114.26 | <.0001 |
| DRI | -0.36461 | 0.04681 | 1243.95672 | 60.67 | <.0001 |
| HD | 0.14636 | 0.03324 | 397.48341 | 19.39 | <.0001 |
| TSLA | 0.08666 | 0.01190 | 1088.16890 | 53.07 | <.0001 |

**Bounds on condition number: 13.792, 216.25**

**Stepwise Selection: Step 11**

**Variable RL Entered: R-Square = 0.9198 and C(p) = 65.7273**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 7 | 53580 | 7654.28835 | 394.63 | <.0001 |
| Error | 241 | 4674.48542 | 19.39621 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | -18.69134 | 6.98524 | 138.87835 | 7.16 | 0.0080 |
| EBAY | 1.25168 | 0.13575 | 1648.88978 | 85.01 | <.0001 |
| CZR | 1.04621 | 0.12846 | 1286.54597 | 66.33 | <.0001 |
| DECK | 0.06480 | 0.00800 | 1272.50514 | 65.61 | <.0001 |
| DRI | -0.41572 | 0.04743 | 1490.30717 | 76.83 | <.0001 |
| HD | 0.10216 | 0.03431 | 171.95376 | 8.87 | 0.0032 |
| RL | 0.17777 | 0.04620 | 287.24531 | 14.81 | 0.0002 |
| TSLA | 0.08257 | 0.01162 | 979.67737 | 50.51 | <.0001 |

**Bounds on condition number: 17.258, 397.84**

**Stepwise Selection: Step 12**

**Variable SBUX Entered: R-Square = 0.9213 and C(p) = 61.9128**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 8 | 53671 | 6708.87545 | 351.29 | <.0001 |
| Error | 240 | 4583.50028 | 19.09792 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | 4.21561 | 12.57714 | 2.14557 | 0.11 | 0.7378 |
| EBAY | 1.19683 | 0.13703 | 1456.83423 | 76.28 | <.0001 |
| CZR | 1.20168 | 0.14602 | 1293.44337 | 67.73 | <.0001 |
| DECK | 0.06569 | 0.00795 | 1304.37093 | 68.30 | <.0001 |
| DRI | -0.37951 | 0.04990 | 1104.78712 | 57.85 | <.0001 |
| HD | 0.06343 | 0.03839 | 52.12634 | 2.73 | 0.0998 |
| RL | 0.19001 | 0.04618 | 323.32397 | 16.93 | <.0001 |
| SBUX | -0.19072 | 0.08738 | 90.98514 | 4.76 | 0.0300 |
| TSLA | 0.06277 | 0.01467 | 349.63580 | 18.31 | <.0001 |

**Bounds on condition number: 17.304, 534.34**

**Stepwise Selection: Step 13**

**Variable HD Removed: R-Square = 0.9204 and C(p) = 63.2440**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 7 | 53619 | 7659.83961 | 398.22 | <.0001 |
| Error | 241 | 4635.62662 | 19.23497 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | 16.83322 | 10.02858 | 54.19352 | 2.82 | 0.0945 |
| EBAY | 1.17939 | 0.13711 | 1423.14404 | 73.99 | <.0001 |
| CZR | 1.37690 | 0.10072 | 3594.60342 | 186.88 | <.0001 |
| DECK | 0.07324 | 0.00653 | 2423.50656 | 125.99 | <.0001 |
| DRI | -0.37272 | 0.04991 | 1072.88308 | 55.78 | <.0001 |
| RL | 0.21678 | 0.04340 | 479.86590 | 24.95 | <.0001 |
| SBUX | -0.25744 | 0.07776 | 210.81256 | 10.96 | 0.0011 |
| TSLA | 0.05280 | 0.01342 | 297.77478 | 15.48 | 0.0001 |

**Bounds on condition number: 13.177, 263.58**

**Stepwise Selection: Step 14**

**Variable LOW Entered: R-Square = 0.9221 and C(p) = 58.8790**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 8 | 53718 | 6714.80954 | 355.28 | <.0001 |
| Error | 240 | 4536.02760 | 18.90011 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | 12.30406 | 10.13480 | 27.85680 | 1.47 | 0.2259 |
| EBAY | 0.90468 | 0.18109 | 471.69383 | 24.96 | <.0001 |
| CZR | 1.15882 | 0.13782 | 1336.27453 | 70.70 | <.0001 |
| DECK | 0.07103 | 0.00654 | 2229.54485 | 117.96 | <.0001 |
| DRI | -0.38767 | 0.04990 | 1140.90464 | 60.36 | <.0001 |
| LOW | 0.13141 | 0.05724 | 99.59902 | 5.27 | 0.0226 |
| RL | 0.18435 | 0.04528 | 313.23984 | 16.57 | <.0001 |
| SBUX | -0.20324 | 0.08062 | 120.12110 | 6.36 | 0.0124 |
| TSLA | 0.05729 | 0.01345 | 343.11054 | 18.15 | <.0001 |

**Bounds on condition number: 14.598, 432.75**

**Stepwise Selection: Step 15**

**Variable AMZN Entered: R-Square = 0.9243 and C(p) = 52.6691**

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 9 | 53847 | 5982.99391 | 324.43 | <.0001 |
| Error | 239 | 4407.55870 | 18.44167 | | |
| Corrected Total | 248 | 58255 | | | |

| Variable | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---|---|---|---|---|
| Intercept | 25.66711 | 11.21858 | 96.53361 | 5.23 | 0.0230 |
| AMZN | -0.17714 | 0.06712 | 128.46890 | 6.97 | 0.0089 |
| EBAY | 0.81285 | 0.18223 | 366.90936 | 19.90 | <.0001 |
| CZR | 1.17228 | 0.13623 | 1365.59025 | 74.05 | <.0001 |
| DECK | 0.09749 | 0.01193 | 1232.21873 | 66.82 | <.0001 |
| DRI | -0.38920 | 0.04929 | 1149.73640 | 62.34 | <.0001 |
| LOW | 0.15869 | 0.05748 | 140.55226 | 7.62 | 0.0062 |
| RL | 0.15987 | 0.04568 | 225.86269 | 12.25 | 0.0006 |
| SBUX | -0.28699 | 0.08572 | 206.69526 | 11.21 | 0.0009 |
| TSLA | 0.07584 | 0.01503 | 469.74562 | 25.47 | <.0001 |

**Bounds on condition number: 40.345, 1001.8**

**All variables left in the model are significant at the 0.0500 level.**

**No other variable met the 0.0500 significance level for entry into the model.**

| Summary of Stepwise Selection | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Step | Variable Entered | Variable Removed | Label | Number Vars In | Partial R-Square | Model R-Square | C(p) | F Value | Pr > F |
| 1 | HD | | HD | 1 | 0.7933 | 0.7933 | 524.682 | 947.69 | <.0001 |
| 2 | TSLA | | TSLA | 2 | 0.0403 | 0.8335 | 376.834 | 59.47 | <.0001 |
| 3 | EBAY | | EBAY | 3 | 0.0295 | 0.8631 | 268.835 | 52.86 | <.0001 |
| 4 | DECK | | DECK | 4 | 0.0217 | 0.8848 | 189.958 | 46.00 | <.0001 |
| 5 | CMG | | CMG | 5 | 0.0121 | 0.8969 | 146.892 | 28.53 | <.0001 |
| 6 | HAS | | HAS | 6 | 0.0075 | 0.9044 | 120.888 | 19.04 | <.0001 |
| 7 | CZR | | CZR | 7 | 0.0041 | 0.9085 | 107.768 | 10.69 | 0.0012 |
| 8 | DRI | | DRI | 8 | 0.0082 | 0.9167 | 79.2161 | 23.64 | <.0001 |
| 9 | | CMG | CMG | 7 | 0.0006 | 0.9160 | 79.5811 | 1.83 | 0.1774 |
| 10 | | HAS | HAS | 6 | 0.0012 | 0.9148 | 82.0840 | 3.47 | 0.0636 |
| 11 | RL | | RL | 7 | 0.0049 | 0.9198 | 65.7273 | 14.81 | 0.0002 |
| 12 | SBUX | | SBUX | 8 | 0.0016 | 0.9213 | 61.9128 | 4.76 | 0.0300 |
| 13 | | HD | HD | 7 | 0.0009 | 0.9204 | 63.2440 | 2.73 | 0.0998 |
| 14 | LOW | | LOW | 8 | 0.0017 | 0.9221 | 58.8790 | 5.27 | 0.0226 |
| 15 | AMZN | | AMZN | 9 | 0.0022 | 0.9243 | 52.6691 | 6.97 | 0.0089 |

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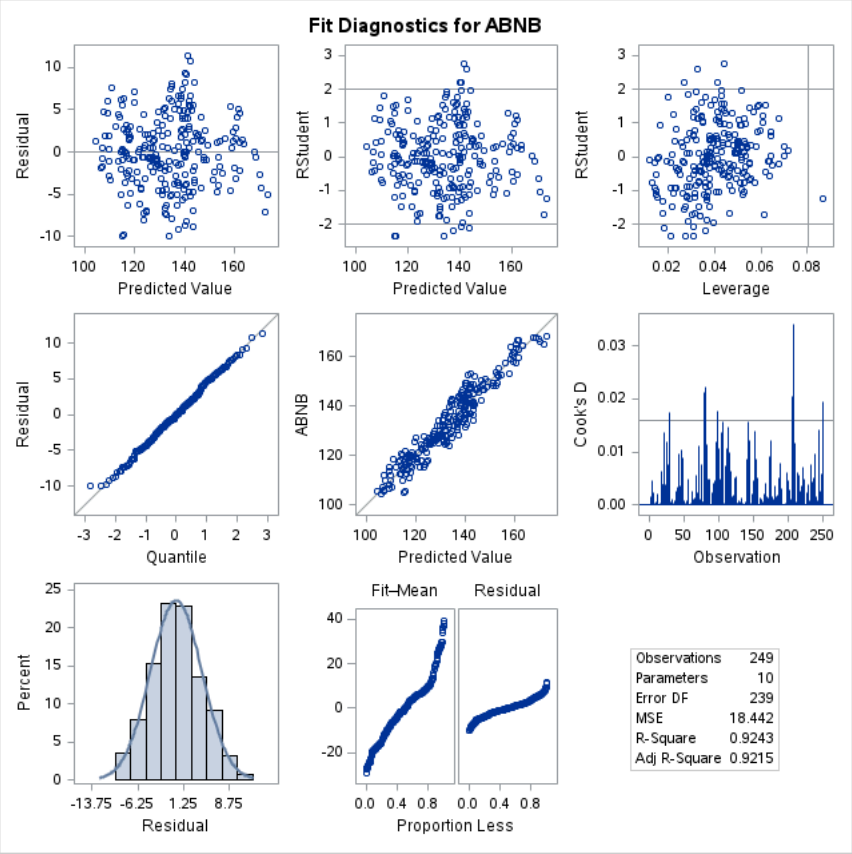
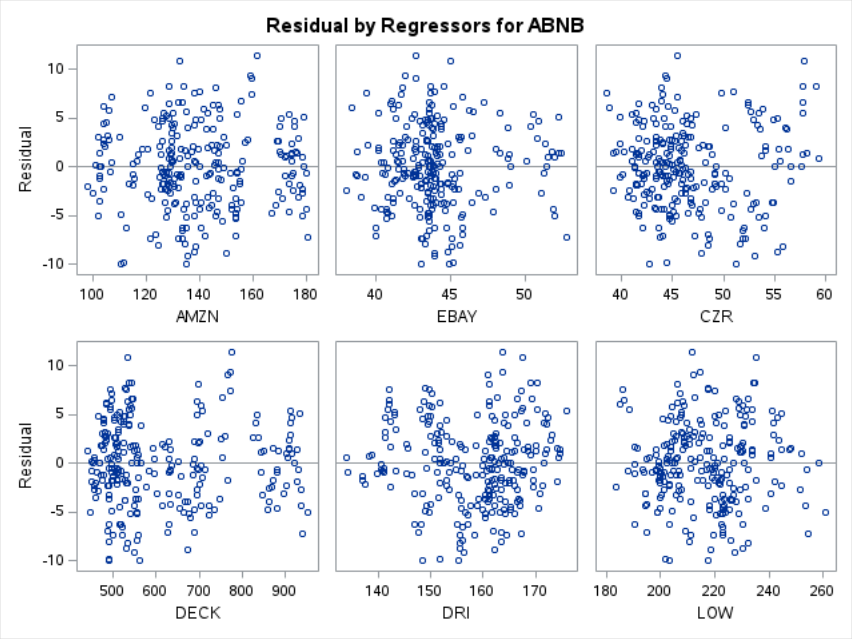
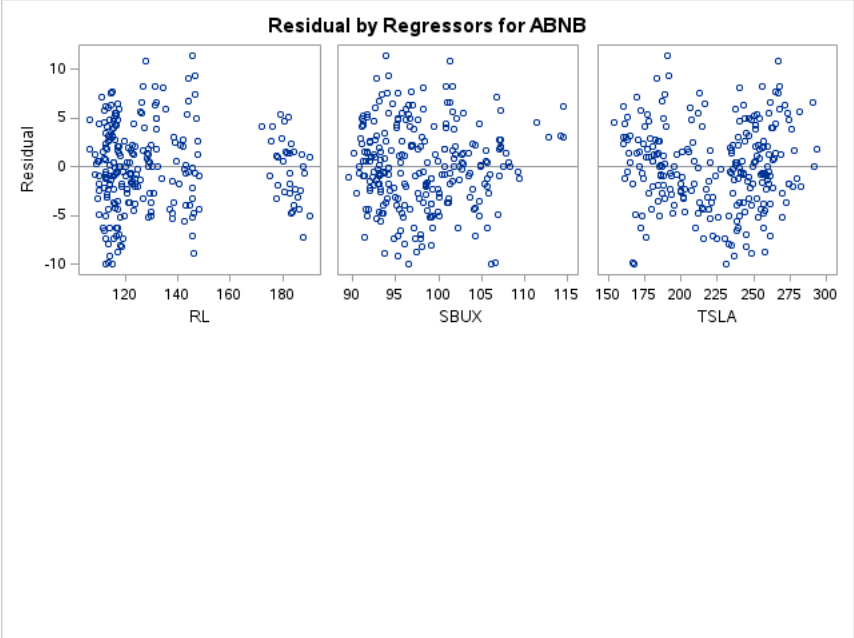
## Refined Stepwise Regression Analysis for Predicting Airbnb Stock Prices

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**


Fit Diagnostics for ABNB
Residual
Predicted Value
RStudent
Leverage
Quantile
ABNB
Cook's D
Observation
Percent
Residual
Fit–Mean
Proportion Less
Observations 249
Parameters 10
Error DF 239
MSE 18.442
R-Square 0.9243
Adj R-Square 0.9215


Residual by Regressors for ABNB
Residual
AMZN
EBAY
CZR
DECK
DRI
LOW




## Model Evaluation with R-Square

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB**

**R-Square Selection Method**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

| Number in Model | R-Square | Variables in Model |
|---|---|---|
| 1 | 0.6897 | AMZN |
| 1 | 0.6786 | LOW |
| 1 | 0.6760 | RL |
| 1 | 0.6382 | DECK |
| 1 | 0.3272 | DRI |
| 1 | 0.3052 | SBUX |
| 1 | 0.2659 | EBAY |
| 1 | 0.0145 | CZR |
| 1 | 0.0048 | TSLA |
| 2 | 0.8505 | AMZN LOW |
| 2 | 0.8380 | CZR DECK |
| 2 | 0.8324 | DECK LOW |
| 2 | 0.8177 | CZR RL |
| 2 | 0.7950 | AMZN EBAY |
| 2 | 0.7950 | LOW RL |
| 2 | 0.7920 | RL TSLA |
| 2 | 0.7753 | AMZN CZR |
| 2 | 0.7664 | LOW SBUX |
| 2 | 0.7534 | DECK TSLA |
| 2 | 0.7351 | AMZN RL |
| 2 | 0.7162 | EBAY DECK |
| 2 | 0.7153 | AMZN DRI |
| 2 | 0.7082 | RL SBUX |
| 2 | 0.7028 | AMZN TSLA |
| 2 | 0.7003 | EBAY LOW |
| 2 | 0.7002 | CZR LOW |
| 2 | 0.6925 | AMZN DECK |
| 2 | 0.6923 | EBAY RL |
| 2 | 0.6897 | AMZN SBUX |
| 2 | 0.6832 | DECK RL |
| 2 | 0.6795 | LOW TSLA |
| 2 | 0.6791 | DRI LOW |
| 2 | 0.6784 | DRI RL |
| 2 | 0.6617 | DECK DRI |
| 2 | 0.6586 | DECK SBUX |
| 2 | 0.5810 | DRI SBUX |
| 2 | 0.5233 | EBAY SBUX |

| Number in Model | R-Square | Variables in Model |
|---|---|---|
| 2 | 0.3907 | EBAY DRI |
| 2 | 0.3640 | CZR SBUX |
| 2 | 0.3358 | DRI TSLA |
| 2 | 0.3275 | CZR DRI |
| 2 | 0.3054 | SBUX TSLA |
| 2 | 0.2935 | EBAY TSLA |
| 2 | 0.2701 | EBAY CZR |
| 2 | 0.0147 | CZR TSLA |
| 3 | 0.8797 | DECK LOW TSLA |
| 3 | 0.8696 | CZR DECK LOW |
| 3 | 0.8673 | EBAY CZR DECK |
| 3 | 0.8627 | CZR RL SBUX |
| 3 | 0.8604 | CZR DECK SBUX |
| 3 | 0.8602 | AMZN CZR RL |
| 3 | 0.8590 | AMZN DRI LOW |
| 3 | 0.8579 | CZR DECK RL |
| 3 | 0.8571 | AMZN CZR LOW |
| 3 | 0.8562 | AMZN LOW TSLA |
| 3 | 0.8538 | AMZN EBAY CZR |
| 3 | 0.8532 | AMZN LOW SBUX |
| 3 | 0.8520 | AMZN LOW RL |
| 3 | 0.8519 | AMZN DECK LOW |
| 3 | 0.8510 | AMZN EBAY LOW |
| 3 | 0.8506 | EBAY DECK TSLA |
| 3 | 0.8500 | DECK LOW SBUX |
| 3 | 0.8479 | DECK DRI LOW |
| 3 | 0.8452 | CZR DRI RL |
| 3 | 0.8450 | LOW RL TSLA |
| 3 | 0.8446 | CZR DECK DRI |
| 3 | 0.8435 | CZR DECK TSLA |
| 3 | 0.8389 | AMZN CZR DECK |
| 3 | 0.8362 | EBAY DECK LOW |
| 3 | 0.8346 | CZR RL TSLA |
| 3 | 0.8337 | DECK LOW RL |
| 3 | 0.8287 | LOW RL SBUX |
| 3 | 0.8255 | CZR LOW RL |
| 3 | 0.8254 | AMZN EBAY TSLA |
| 3 | 0.8179 | EBAY CZR RL |
| 3 | 0.8122 | DRI LOW RL |
| 3 | 0.8117 | EBAY RL TSLA |
| 3 | 0.8104 | EBAY LOW RL |
| 3 | 0.8046 | DECK RL TSLA |
| 3 | 0.8034 | AMZN RL TSLA |
| 3 | 0.7962 | AMZN EBAY RL |
| 3 | 0.7961 | AMZN EBAY SBUX |
| 3 | 0.7961 | AMZN EBAY DECK |
| 3 | 0.7958 | RL SBUX TSLA |
| 3 | 0.7951 | AMZN EBAY DRI |
| 3 | 0.7928 | DRI RL TSLA |
| 3 | 0.7880 | AMZN CZR TSLA |
| 3 | 0.7794 | AMZN CZR DRI |
| 3 | 0.7764 | AMZN CZR SBUX |
| 3 | 0.7723 | EBAY LOW SBUX |
| 3 | 0.7685 | CZR LOW SBUX |
| 3 | 0.7683 | DRI LOW SBUX |
| 3 | 0.7666 | LOW SBUX TSLA |
| 3 | 0.7627 | DECK DRI TSLA |
| 3 | 0.7580 | AMZN DECK RL |
| 3 | 0.7544 | AMZN DECK TSLA |
| 3 | 0.7534 | DECK SBUX TSLA |
| 3 | 0.7454 | EBAY DECK SBUX |
| 3 | 0.7401 | AMZN DRI RL |
| 3 | 0.7379 | AMZN RL SBUX |
| 3 | 0.7353 | EBAY RL SBUX |
| 3 | 0.7344 | CZR LOW TSLA |
| 3 | 0.7327 | EBAY CZR LOW |
| 3 | 0.7291 | AMZN DRI TSLA |
| 3 | 0.7217 | DRI RL SBUX |
| 3 | 0.7207 | AMZN DRI SBUX |
| 3 | 0.7196 | EBAY DECK RL |
| 3 | 0.7172 | EBAY DECK DRI |
| 3 | 0.7157 | AMZN DECK DRI |
| 3 | 0.7093 | DECK RL SBUX |
| 3 | 0.7036 | AMZN SBUX TSLA |

| Number in Model | R-Square | Variables in Model |
|---|---|---|
| 3 | 0.7013 | CZR DRI LOW |
| 3 | 0.7013 | DECK DRI SBUX |
| 3 | 0.7010 | EBAY DRI LOW |
| 3 | 0.7006 | EBAY LOW TSLA |
| 3 | 0.6929 | AMZN DECK SBUX |
| 3 | 0.6924 | EBAY DRI RL |
| 3 | 0.6876 | DECK DRI RL |
| 3 | 0.6800 | DRI LOW TSLA |
| 3 | 0.6318 | EBAY DRI SBUX |
| 3 | 0.6000 | CZR DRI SBUX |
| 3 | 0.5812 | DRI SBUX TSLA |
| 3 | 0.5566 | EBAY CZR SBUX |
| 3 | 0.5298 | EBAY SBUX TSLA |
| 3 | 0.4413 | CZR SBUX TSLA |
| 3 | 0.4111 | EBAY DRI TSLA |
| 3 | 0.3909 | EBAY CZR DRI |
| 3 | 0.3400 | CZR DRI TSLA |
| 3 | 0.2991 | EBAY CZR TSLA |
| 4 | 0.8951 | EBAY CZR DECK SBUX |
| 4 | 0.8951 | DECK DRI LOW TSLA |
| 4 | 0.8945 | CZR DECK DRI LOW |
| 4 | 0.8923 | EBAY CZR DECK DRI |
| 4 | 0.8896 | CZR DECK LOW SBUX |
| 4 | 0.8869 | EBAY CZR DECK TSLA |
| 4 | 0.8852 | CZR DECK LOW TSLA |
| 4 | 0.8842 | CZR DECK RL SBUX |
| 4 | 0.8820 | EBAY DECK LOW TSLA |
| 4 | 0.8819 | DECK LOW SBUX TSLA |
| 4 | 0.8819 | CZR DECK DRI RL |
| 4 | 0.8806 | AMZN DECK LOW TSLA |
| 4 | 0.8801 | DECK LOW RL TSLA |
| 4 | 0.8782 | AMZN CZR DRI RL |
| 4 | 0.8755 | AMZN EBAY CZR DECK |
| 4 | 0.8752 | AMZN EBAY CZR RL |
| 4 | 0.8734 | AMZN CZR RL SBUX |
| 4 | 0.8733 | AMZN CZR DECK LOW |
| 4 | 0.8726 | CZR DRI RL SBUX |
| 4 | 0.8722 | AMZN CZR LOW RL |
| 4 | 0.8719 | EBAY CZR DECK LOW |
| 4 | 0.8712 | CZR DECK LOW RL |
| 4 | 0.8700 | EBAY CZR DECK RL |
| 4 | 0.8685 | CZR DECK RL TSLA |
| 4 | 0.8682 | AMZN LOW RL TSLA |
| 4 | 0.8677 | CZR LOW RL SBUX |
| 4 | 0.8668 | AMZN CZR DECK SBUX |
| 4 | 0.8659 | AMZN CZR DRI LOW |
| 4 | 0.8654 | EBAY CZR RL SBUX |
| 4 | 0.8649 | DRI LOW RL TSLA |
| 4 | 0.8635 | AMZN DRI LOW TSLA |
| 4 | 0.8634 | AMZN DRI LOW RL |
| 4 | 0.8631 | AMZN CZR DECK RL |
| 4 | 0.8631 | CZR RL SBUX TSLA |
| 4 | 0.8628 | AMZN DECK DRI LOW |
| 4 | 0.8625 | AMZN EBAY CZR LOW |
| 4 | 0.8614 | AMZN CZR RL TSLA |
| 4 | 0.8614 | CZR DECK DRI SBUX |
| 4 | 0.8604 | CZR DECK SBUX TSLA |
| 4 | 0.8602 | AMZN CZR LOW SBUX |
| 4 | 0.8597 | AMZN EBAY DRI LOW |
| 4 | 0.8592 | AMZN EBAY LOW TSLA |
| 4 | 0.8592 | AMZN DRI LOW SBUX |
| 4 | 0.8592 | AMZN EBAY CZR DRI |
| 4 | 0.8585 | CZR DRI LOW RL |
| 4 | 0.8576 | AMZN CZR LOW TSLA |
| 4 | 0.8572 | AMZN LOW SBUX TSLA |
| 4 | 0.8569 | AMZN EBAY CZR SBUX |
| 4 | 0.8565 | AMZN DECK LOW SBUX |
| 4 | 0.8563 | DECK DRI LOW SBUX |
| 4 | 0.8562 | CZR DRI RL TSLA |
| 4 | 0.8558 | LOW RL SBUX TSLA |
| 4 | 0.8557 | AMZN LOW RL SBUX |
| 4 | 0.8539 | EBAY DECK DRI TSLA |
| 4 | 0.8538 | AMZN EBAY CZR TSLA |
| 4 | 0.8536 | AMZN EBAY LOW SBUX |

| Number in Model | R-Square | Variables in Model |
|---|---|---|
| 4 | 0.8534 | EBAY DECK RL TSLA |
| 4 | 0.8522 | AMZN DECK LOW RL |
| 4 | 0.8521 | AMZN EBAY LOW RL |
| 4 | 0.8520 | AMZN EBAY DECK LOW |
| 4 | 0.8516 | EBAY DECK LOW SBUX |
| 4 | 0.8514 | EBAY DECK SBUX TSLA |
| 4 | 0.8510 | EBAY DECK DRI LOW |
| 4 | 0.8508 | AMZN EBAY DECK TSLA |
| 4 | 0.8505 | DECK LOW RL SBUX |
| 4 | 0.8482 | CZR LOW RL TSLA |
| 4 | 0.8481 | DECK DRI LOW RL |
| 4 | 0.8480 | CZR DECK DRI TSLA |
| 4 | 0.8474 | EBAY CZR DRI RL |
| 4 | 0.8463 | EBAY LOW RL TSLA |
| 4 | 0.8459 | AMZN EBAY RL TSLA |
| 4 | 0.8446 | AMZN CZR DECK DRI |
| 4 | 0.8443 | AMZN CZR DECK TSLA |
| 4 | 0.8380 | EBAY CZR RL TSLA |
| 4 | 0.8365 | EBAY DECK LOW RL |
| 4 | 0.8355 | EBAY LOW RL SBUX |
| 4 | 0.8332 | DRI LOW RL SBUX |
| 4 | 0.8292 | EBAY CZR LOW RL |
| 4 | 0.8273 | EBAY DRI LOW RL |
| 4 | 0.8255 | AMZN EBAY DRI TSLA |
| 4 | 0.8255 | AMZN EBAY SBUX TSLA |
| 4 | 0.8198 | EBAY RL SBUX TSLA |
| 4 | 0.8178 | EBAY DRI RL TSLA |
| 4 | 0.8052 | DECK RL SBUX TSLA |
| 4 | 0.8049 | AMZN DECK RL TSLA |
| 4 | 0.8047 | DECK DRI RL TSLA |
| 4 | 0.8035 | AMZN RL SBUX TSLA |
| 4 | 0.8034 | AMZN EBAY DECK RL |
| 4 | 0.8034 | AMZN DRI RL TSLA |
| 4 | 0.7979 | AMZN EBAY RL SBUX |
| 4 | 0.7967 | AMZN EBAY DECK SBUX |
| 4 | 0.7965 | AMZN CZR SBUX TSLA |
| 4 | 0.7965 | AMZN EBAY DRI SBUX |
| 4 | 0.7962 | AMZN EBAY DRI RL |
| 4 | 0.7962 | AMZN EBAY DECK DRI |
| 4 | 0.7958 | DRI RL SBUX TSLA |
| 4 | 0.7886 | AMZN CZR DRI TSLA |
| 4 | 0.7835 | AMZN CZR DRI SBUX |
| 4 | 0.7777 | EBAY CZR LOW SBUX |
| 4 | 0.7738 | EBAY DRI LOW SBUX |
| 4 | 0.7736 | EBAY LOW SBUX TSLA |
| 4 | 0.7703 | CZR LOW SBUX TSLA |
| 4 | 0.7698 | CZR DRI LOW SBUX |
| 4 | 0.7684 | DRI LOW SBUX TSLA |
| 4 | 0.7653 | DECK DRI SBUX TSLA |
| 4 | 0.7629 | AMZN DECK DRI TSLA |
| 4 | 0.7598 | AMZN DECK DRI RL |
| 4 | 0.7583 | AMZN DECK RL SBUX |
| 4 | 0.7549 | AMZN DECK SBUX TSLA |
| 4 | 0.7529 | EBAY CZR LOW TSLA |
| 4 | 0.7527 | EBAY DECK DRI SBUX |
| 4 | 0.7496 | EBAY DECK RL SBUX |
| 4 | 0.7469 | AMZN DRI RL SBUX |
| 4 | 0.7409 | EBAY DRI RL SBUX |
| 4 | 0.7347 | CZR DRI LOW TSLA |
| 4 | 0.7342 | EBAY CZR DRI LOW |
| 4 | 0.7310 | AMZN DRI SBUX TSLA |
| 4 | 0.7237 | DECK DRI RL SBUX |
| 4 | 0.7223 | AMZN DECK DRI SBUX |
| 4 | 0.7199 | EBAY DECK DRI RL |
| 4 | 0.7014 | EBAY DRI LOW TSLA |
| 4 | 0.6491 | EBAY CZR DRI SBUX |
| 4 | 0.6356 | EBAY DRI SBUX TSLA |
| 4 | 0.6187 | CZR DRI SBUX TSLA |
| 4 | 0.5660 | EBAY CZR SBUX TSLA |
| 4 | 0.4266 | EBAY CZR DRI TSLA |
| 5 | 0.9080 | EBAY CZR DECK DRI TSLA |
| 5 | 0.9070 | EBAY CZR DECK DRI SBUX |
| 5 | 0.9055 | CZR DECK DRI LOW TSLA |
| 5 | 0.9021 | CZR DECK DRI LOW SBUX |

| Number in Model | R-Square | Variables in Model |
|---|---|---|
| 5 | 0.9019 | EBAY CZR DECK DRI RL |
| 5 | 0.9015 | CZR DECK DRI LOW RL |
| 5 | 0.8999 | EBAY CZR DECK DRI LOW |
| 5 | 0.8988 | EBAY CZR DECK SBUX TSLA |
| 5 | 0.8986 | AMZN DECK DRI LOW TSLA |
| 5 | 0.8985 | EBAY CZR DECK RL SBUX |
| 5 | 0.8985 | AMZN EBAY CZR DRI RL |
| 5 | 0.8980 | EBAY DECK DRI LOW TSLA |
| 5 | 0.8970 | DECK DRI LOW RL TSLA |
| 5 | 0.8963 | EBAY CZR DECK LOW SBUX |
| 5 | 0.8961 | AMZN EBAY CZR DECK DRI |
| 5 | 0.8954 | AMZN EBAY CZR DECK SBUX |
| 5 | 0.8954 | CZR DECK DRI RL SBUX |
| 5 | 0.8951 | DECK DRI LOW SBUX TSLA |
| 5 | 0.8951 | AMZN CZR DRI LOW RL |
| 5 | 0.8949 | AMZN CZR DECK DRI LOW |
| 5 | 0.8932 | CZR DECK LOW RL SBUX |
| 5 | 0.8926 | CZR DECK LOW SBUX TSLA |
| 5 | 0.8913 | EBAY CZR DECK LOW TSLA |
| 5 | 0.8911 | AMZN CZR DECK LOW SBUX |
| 5 | 0.8895 | EBAY CZR DECK RL TSLA |
| 5 | 0.8883 | CZR DECK DRI RL TSLA |
| 5 | 0.8871 | CZR DECK LOW RL TSLA |
| 5 | 0.8869 | AMZN EBAY CZR DECK TSLA |
| 5 | 0.8860 | AMZN CZR DECK LOW TSLA |
| 5 | 0.8855 | AMZN CZR DECK RL SBUX |
| 5 | 0.8854 | AMZN EBAY CZR RL SBUX |
| 5 | 0.8846 | AMZN DECK LOW SBUX TSLA |
| 5 | 0.8846 | CZR DECK RL SBUX TSLA |
| 5 | 0.8842 | AMZN CZR DRI RL SBUX |
| 5 | 0.8840 | EBAY DECK LOW SBUX TSLA |
| 5 | 0.8836 | AMZN CZR DECK DRI RL |
| 5 | 0.8828 | AMZN DRI LOW RL TSLA |
| 5 | 0.8823 | DECK LOW RL SBUX TSLA |
| 5 | 0.8823 | AMZN EBAY DECK LOW TSLA |
| 5 | 0.8821 | EBAY DECK LOW RL TSLA |
| 5 | 0.8817 | AMZN CZR LOW RL SBUX |
| 5 | 0.8810 | CZR DRI LOW RL SBUX |
| 5 | 0.8807 | AMZN DECK LOW RL TSLA |
| 5 | 0.8796 | AMZN EBAY CZR DECK RL |
| 5 | 0.8787 | AMZN CZR DRI RL TSLA |
| 5 | 0.8784 | AMZN EBAY CZR DECK LOW |
| 5 | 0.8777 | AMZN EBAY CZR RL TSLA |
| 5 | 0.8771 | EBAY CZR DRI RL SBUX |
| 5 | 0.8762 | AMZN CZR DECK LOW RL |
| 5 | 0.8762 | AMZN EBAY CZR LOW RL |
| 5 | 0.8752 | AMZN CZR LOW RL TSLA |
| 5 | 0.8749 | CZR DRI LOW RL TSLA |
| 5 | 0.8735 | AMZN CZR RL SBUX TSLA |
| 5 | 0.8730 | CZR DRI RL SBUX TSLA |
| 5 | 0.8729 | EBAY CZR DECK LOW RL |
| 5 | 0.8725 | AMZN EBAY CZR DRI LOW |
| 5 | 0.8696 | AMZN LOW RL SBUX TSLA |
| 5 | 0.8694 | CZR LOW RL SBUX TSLA |
| 5 | 0.8694 | AMZN EBAY LOW RL TSLA |
| 5 | 0.8685 | AMZN CZR DECK RL TSLA |
| 5 | 0.8685 | AMZN CZR DECK DRI SBUX |
| 5 | 0.8684 | AMZN CZR DECK SBUX TSLA |
| 5 | 0.8677 | EBAY CZR LOW RL SBUX |
| 5 | 0.8672 | DRI LOW RL SBUX TSLA |
| 5 | 0.8668 | AMZN EBAY DRI LOW TSLA |
| 5 | 0.8665 | EBAY CZR RL SBUX TSLA |
| 5 | 0.8662 | AMZN CZR DRI LOW SBUX |
| 5 | 0.8659 | EBAY DRI LOW RL TSLA |
| 5 | 0.8659 | AMZN CZR DRI LOW TSLA |
| 5 | 0.8658 | AMZN EBAY CZR LOW SBUX |
| 5 | 0.8638 | AMZN DRI LOW RL SBUX |
| 5 | 0.8638 | AMZN DECK DRI LOW SBUX |
| 5 | 0.8636 | AMZN DECK DRI LOW RL |
| 5 | 0.8635 | AMZN DRI LOW SBUX TSLA |
| 5 | 0.8634 | AMZN EBAY DRI LOW RL |
| 5 | 0.8631 | AMZN EBAY CZR LOW TSLA |
| 5 | 0.8629 | EBAY CZR DRI RL TSLA |
| 5 | 0.8628 | AMZN EBAY DECK DRI LOW |

| Number in Model | R-Square | Variables in Model |
|---|---|---|
| 5 | 0.8614 | CZR DECK DRI SBUX TSLA |
| 5 | 0.8602 | AMZN CZR LOW SBUX TSLA |
| 5 | 0.8600 | EBAY CZR DRI LOW RL |
| 5 | 0.8600 | AMZN EBAY CZR DRI SBUX |
| 5 | 0.8599 | AMZN EBAY LOW SBUX TSLA |
| 5 | 0.8599 | AMZN EBAY DRI LOW SBUX |
| 5 | 0.8596 | AMZN EBAY CZR DRI TSLA |
| 5 | 0.8587 | EBAY DECK DRI RL TSLA |
| 5 | 0.8580 | EBAY DECK DRI LOW SBUX |
| 5 | 0.8578 | AMZN EBAY CZR SBUX TSLA |
| 5 | 0.8565 | AMZN DECK LOW RL SBUX |
| 5 | 0.8565 | AMZN EBAY DECK LOW SBUX |
| 5 | 0.8564 | EBAY LOW RL SBUX TSLA |
| 5 | 0.8564 | DECK DRI LOW RL SBUX |
| 5 | 0.8557 | AMZN EBAY LOW RL SBUX |
| 5 | 0.8543 | EBAY DECK RL SBUX TSLA |
| 5 | 0.8539 | AMZN EBAY DECK DRI TSLA |
| 5 | 0.8539 | EBAY DECK DRI SBUX TSLA |
| 5 | 0.8539 | AMZN EBAY DECK RL TSLA |
| 5 | 0.8522 | AMZN EBAY DECK LOW RL |
| 5 | 0.8517 | EBAY DECK LOW RL SBUX |
| 5 | 0.8514 | AMZN EBAY DECK SBUX TSLA |
| 5 | 0.8510 | EBAY DECK DRI LOW RL |
| 5 | 0.8500 | AMZN EBAY DRI RL TSLA |
| 5 | 0.8497 | AMZN CZR DECK DRI TSLA |
| 5 | 0.8488 | EBAY CZR LOW RL TSLA |
| 5 | 0.8459 | AMZN EBAY RL SBUX TSLA |
| 5 | 0.8411 | EBAY DRI LOW RL SBUX |
| 5 | 0.8258 | AMZN EBAY DRI SBUX TSLA |
| 5 | 0.8217 | EBAY DRI RL SBUX TSLA |
| 5 | 0.8053 | AMZN DECK RL SBUX TSLA |
| 5 | 0.8052 | DECK DRI RL SBUX TSLA |
| 5 | 0.8049 | AMZN DECK DRI RL TSLA |
| 5 | 0.8039 | AMZN EBAY DECK RL SBUX |
| 5 | 0.8037 | AMZN EBAY DECK DRI RL |
| 5 | 0.8035 | AMZN DRI RL SBUX TSLA |
| 5 | 0.7994 | AMZN CZR DRI SBUX TSLA |
| 5 | 0.7980 | AMZN EBAY DRI RL SBUX |
| 5 | 0.7970 | AMZN EBAY DECK DRI SBUX |
| 5 | 0.7789 | EBAY CZR LOW SBUX TSLA |
| 5 | 0.7783 | EBAY CZR DRI LOW SBUX |
| 5 | 0.7748 | EBAY DRI LOW SBUX TSLA |
| 5 | 0.7714 | CZR DRI LOW SBUX TSLA |
| 5 | 0.7665 | AMZN DECK DRI SBUX TSLA |
| 5 | 0.7612 | AMZN DECK DRI RL SBUX |
| 5 | 0.7547 | EBAY DECK DRI RL SBUX |
| 5 | 0.7536 | EBAY CZR DRI LOW TSLA |
| 5 | 0.6533 | EBAY CZR DRI SBUX TSLA |
| 6 | 0.9168 | EBAY CZR DECK DRI RL TSLA |
| 6 | 0.9153 | EBAY CZR DECK DRI RL SBUX |
| 6 | 0.9150 | EBAY CZR DECK DRI LOW TSLA |
| 6 | 0.9125 | CZR DECK DRI LOW RL TSLA |
| 6 | 0.9122 | EBAY CZR DECK DRI SBUX TSLA |
| 6 | 0.9103 | EBAY CZR DECK DRI LOW SBUX |
| 6 | 0.9098 | CZR DECK DRI LOW RL SBUX |
| 6 | 0.9094 | AMZN CZR DECK DRI LOW TSLA |
| 6 | 0.9084 | AMZN EBAY CZR DECK DRI TSLA |
| 6 | 0.9073 | AMZN EBAY CZR DECK DRI SBUX |
| 6 | 0.9067 | CZR DECK DRI LOW SBUX TSLA |
| 6 | 0.9066 | AMZN EBAY CZR DECK DRI RL |
| 6 | 0.9055 | EBAY CZR DECK DRI LOW RL |
| 6 | 0.9037 | AMZN CZR DECK DRI LOW SBUX |
| 6 | 0.9027 | AMZN CZR DECK DRI LOW RL |
| 6 | 0.9020 | EBAY CZR DECK RL SBUX TSLA |
| 6 | 0.9019 | AMZN EBAY CZR DECK DRI LOW |
| 6 | 0.9013 | AMZN EBAY CZR DRI RL SBUX |
| 6 | 0.9012 | AMZN EBAY CZR DECK SBUX TSLA |
| 6 | 0.9006 | EBAY CZR DECK LOW SBUX TSLA |
| 6 | 0.9003 | AMZN EBAY DECK DRI LOW TSLA |
| 6 | 0.9002 | AMZN EBAY CZR DRI LOW RL |
| 6 | 0.9000 | AMZN EBAY CZR DRI RL TSLA |
| 6 | 0.8996 | AMZN DECK DRI LOW RL TSLA |
| 6 | 0.8990 | EBAY DECK DRI LOW RL TSLA |
| 6 | 0.8988 | EBAY CZR DECK LOW RL SBUX |

| Number in Model | R-Square | Variables in Model |
|---|---|---|
| 6 | 0.8988 | AMZN DECK DRI LOW SBUX TSLA |
| 6 | 0.8986 | AMZN EBAY CZR DECK RL SBUX |
| 6 | 0.8981 | EBAY DECK DRI LOW SBUX TSLA |
| 6 | 0.8978 | AMZN CZR DECK LOW SBUX TSLA |
| 6 | 0.8975 | AMZN CZR DRI LOW RL SBUX |
| 6 | 0.8971 | DECK DRI LOW RL SBUX TSLA |
| 6 | 0.8971 | AMZN CZR DRI LOW RL TSLA |
| 6 | 0.8967 | AMZN EBAY CZR DECK LOW SBUX |
| 6 | 0.8966 | AMZN CZR DECK DRI RL SBUX |
| 6 | 0.8960 | CZR DECK DRI RL SBUX TSLA |
| 6 | 0.8959 | CZR DECK LOW RL SBUX TSLA |
| 6 | 0.8940 | AMZN CZR DECK LOW RL SBUX |
| 6 | 0.8922 | EBAY CZR DECK LOW RL TSLA |
| 6 | 0.8913 | AMZN EBAY CZR DECK LOW TSLA |
| 6 | 0.8897 | AMZN EBAY CZR DECK RL TSLA |
| 6 | 0.8885 | AMZN CZR DECK DRI RL TSLA |
| 6 | 0.8874 | AMZN CZR DECK LOW RL TSLA |
| 6 | 0.8874 | AMZN CZR DECK RL SBUX TSLA |
| 6 | 0.8857 | AMZN EBAY DECK LOW SBUX TSLA |
| 6 | 0.8857 | AMZN EBAY CZR LOW RL SBUX |
| 6 | 0.8855 | AMZN EBAY CZR RL SBUX TSLA |
| 6 | 0.8847 | AMZN DECK LOW RL SBUX TSLA |
| 6 | 0.8842 | AMZN CZR DRI RL SBUX TSLA |
| 6 | 0.8841 | EBAY DECK LOW RL SBUX TSLA |
| 6 | 0.8838 | CZR DRI LOW RL SBUX TSLA |
| 6 | 0.8837 | AMZN EBAY DRI LOW RL TSLA |
| 6 | 0.8830 | AMZN DRI LOW RL SBUX TSLA |
| 6 | 0.8824 | AMZN EBAY DECK LOW RL TSLA |
| 6 | 0.8820 | AMZN CZR LOW RL SBUX TSLA |
| 6 | 0.8810 | EBAY CZR DRI LOW RL SBUX |
| 6 | 0.8807 | AMZN EBAY CZR DECK LOW RL |
| 6 | 0.8792 | AMZN EBAY CZR LOW RL TSLA |
| 6 | 0.8788 | EBAY CZR DRI RL SBUX TSLA |
| 6 | 0.8750 | EBAY CZR DRI LOW RL TSLA |
| 6 | 0.8728 | AMZN EBAY CZR DRI LOW SBUX |
| 6 | 0.8726 | AMZN EBAY CZR DRI LOW TSLA |
| 6 | 0.8705 | AMZN EBAY LOW RL SBUX TSLA |
| 6 | 0.8702 | AMZN CZR DECK DRI SBUX TSLA |
| 6 | 0.8694 | EBAY CZR LOW RL SBUX TSLA |
| 6 | 0.8680 | EBAY DRI LOW RL SBUX TSLA |
| 6 | 0.8669 | AMZN EBAY DRI LOW SBUX TSLA |
| 6 | 0.8662 | AMZN CZR DRI LOW SBUX TSLA |
| 6 | 0.8659 | AMZN EBAY CZR LOW SBUX TSLA |
| 6 | 0.8643 | AMZN DECK DRI LOW RL SBUX |
| 6 | 0.8639 | AMZN EBAY DRI LOW RL SBUX |
| 6 | 0.8638 | AMZN EBAY DECK DRI LOW SBUX |
| 6 | 0.8637 | AMZN EBAY DECK DRI LOW RL |
| 6 | 0.8610 | AMZN EBAY CZR DRI SBUX TSLA |
| 6 | 0.8589 | AMZN EBAY DECK DRI RL TSLA |
| 6 | 0.8587 | EBAY DECK DRI RL SBUX TSLA |
| 6 | 0.8580 | EBAY DECK DRI LOW RL SBUX |
| 6 | 0.8565 | AMZN EBAY DECK LOW RL SBUX |
| 6 | 0.8544 | AMZN EBAY DECK RL SBUX TSLA |
| 6 | 0.8539 | AMZN EBAY DECK DRI SBUX TSLA |
| 6 | 0.8505 | AMZN EBAY DRI RL SBUX TSLA |
| 6 | 0.8053 | AMZN DECK DRI RL SBUX TSLA |
| 6 | 0.8040 | AMZN EBAY DECK DRI RL SBUX |
| 6 | 0.7793 | EBAY CZR DRI LOW SBUX TSLA |
| 7 | 0.9204 | EBAY CZR DECK DRI RL SBUX TSLA |
| 7 | 0.9201 | EBAY CZR DECK DRI LOW RL TSLA |
| 7 | 0.9169 | AMZN EBAY CZR DECK DRI RL TSLA |
| 7 | 0.9168 | EBAY CZR DECK DRI LOW SBUX TSLA |
| 7 | 0.9167 | AMZN EBAY CZR DECK DRI LOW TSLA |
| 7 | 0.9162 | EBAY CZR DECK DRI LOW RL SBUX |
| 7 | 0.9153 | AMZN EBAY CZR DECK DRI RL SBUX |
| 7 | 0.9149 | AMZN EBAY CZR DECK DRI SBUX TSLA |
| 7 | 0.9145 | AMZN CZR DECK DRI LOW RL TSLA |
| 7 | 0.9140 | CZR DECK DRI LOW RL SBUX TSLA |
| 7 | 0.9132 | AMZN CZR DECK DRI LOW SBUX TSLA |
| 7 | 0.9106 | AMZN EBAY CZR DECK DRI LOW SBUX |
| 7 | 0.9103 | AMZN CZR DECK DRI LOW RL SBUX |
| 7 | 0.9086 | AMZN EBAY CZR DECK DRI LOW RL |
| 7 | 0.9036 | AMZN EBAY CZR DECK RL SBUX TSLA |
| 7 | 0.9034 | AMZN EBAY CZR DECK LOW SBUX TSLA |

| Number in Model | R-Square | Variables in Model |
|---|---|---|
| 7 | 0.9025 | EBAY CZR DECK LOW RL SBUX TSLA |
| 7 | 0.9025 | AMZN EBAY CZR DRI LOW RL SBUX |
| 7 | 0.9022 | AMZN EBAY CZR DRI LOW RL TSLA |
| 7 | 0.9017 | AMZN EBAY CZR DRI RL SBUX TSLA |
| 7 | 0.9009 | AMZN EBAY DECK DRI LOW RL TSLA |
| 7 | 0.9004 | AMZN EBAY DECK DRI LOW SBUX TSLA |
| 7 | 0.8996 | AMZN DECK DRI LOW RL SBUX TSLA |
| 7 | 0.8995 | AMZN CZR DECK LOW RL SBUX TSLA |
| 7 | 0.8992 | EBAY DECK DRI LOW RL SBUX TSLA |
| 7 | 0.8989 | AMZN EBAY CZR DECK LOW RL SBUX |
| 7 | 0.8989 | AMZN CZR DECK DRI RL SBUX TSLA |
| 7 | 0.8982 | AMZN CZR DRI LOW RL SBUX TSLA |
| 7 | 0.8922 | AMZN EBAY CZR DECK LOW RL TSLA |
| 7 | 0.8860 | AMZN EBAY CZR LOW RL SBUX TSLA |
| 7 | 0.8857 | AMZN EBAY DECK LOW RL SBUX TSLA |
| 7 | 0.8840 | AMZN EBAY DRI LOW RL SBUX TSLA |
| 7 | 0.8839 | EBAY CZR DRI LOW RL SBUX TSLA |
| 7 | 0.8728 | AMZN EBAY CZR DRI LOW SBUX TSLA |
| 7 | 0.8644 | AMZN EBAY DECK DRI LOW RL SBUX |
| 7 | 0.8590 | AMZN EBAY DECK DRI RL SBUX TSLA |
| 8 | 0.9221 | EBAY CZR DECK DRI LOW RL SBUX TSLA |
| 8 | 0.9219 | AMZN EBAY CZR DECK DRI RL SBUX TSLA |
| 8 | 0.9208 | AMZN EBAY CZR DECK DRI LOW RL TSLA |
| 8 | 0.9205 | AMZN EBAY CZR DECK DRI LOW SBUX TSLA |
| 8 | 0.9180 | AMZN CZR DECK DRI LOW RL SBUX TSLA |
| 8 | 0.9163 | AMZN EBAY CZR DECK DRI LOW RL SBUX |
| 8 | 0.9046 | AMZN EBAY CZR DECK LOW RL SBUX TSLA |
| 8 | 0.9032 | AMZN EBAY CZR DRI LOW RL SBUX TSLA |
| 8 | 0.9009 | AMZN EBAY DECK DRI LOW RL SBUX TSLA |
| 9 | 0.9243 | AMZN EBAY CZR DECK DRI LOW RL SBUX TSLA |

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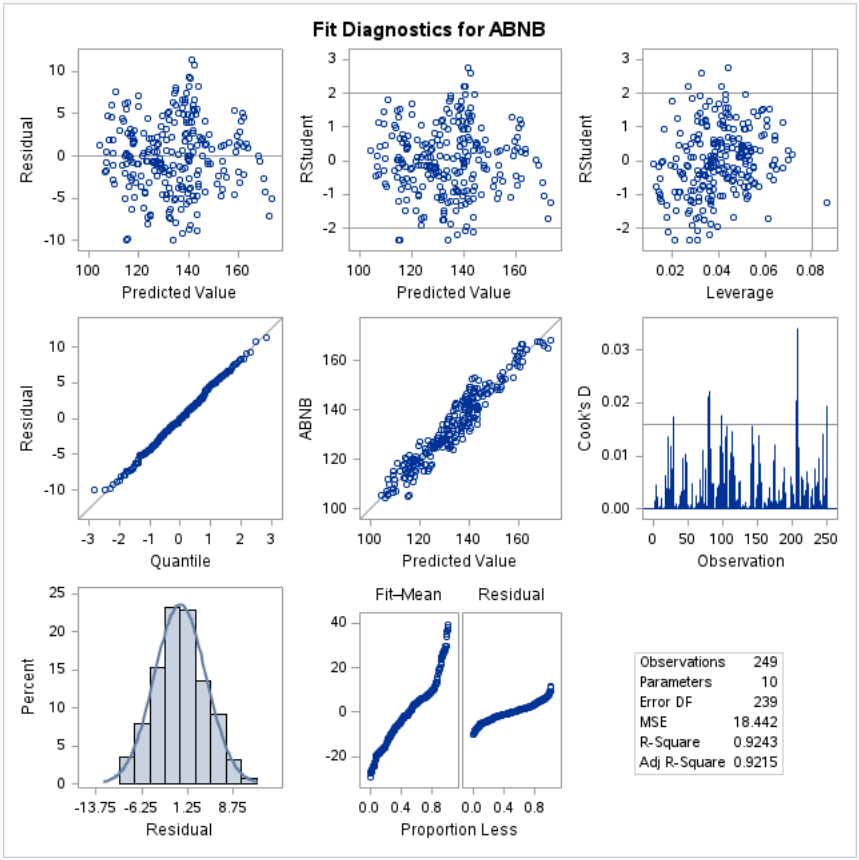
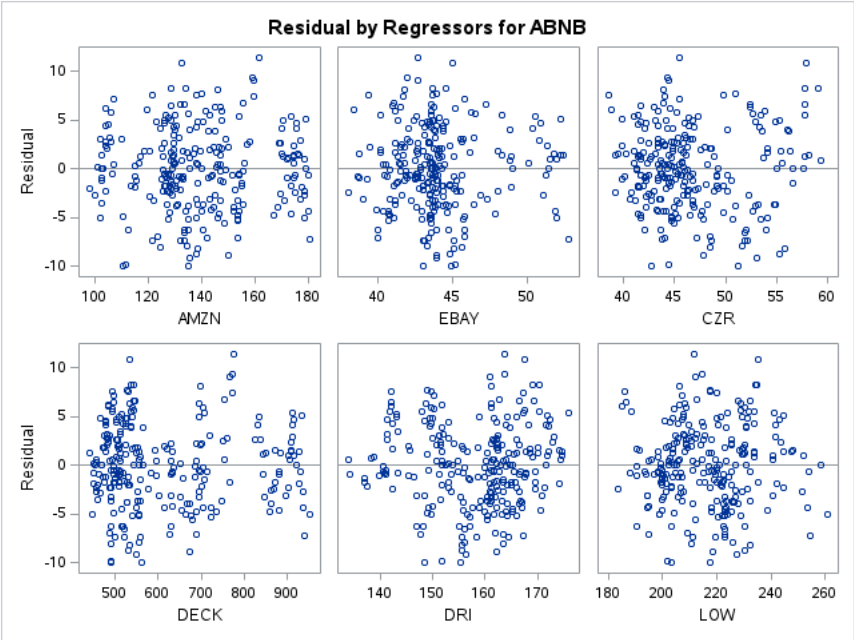
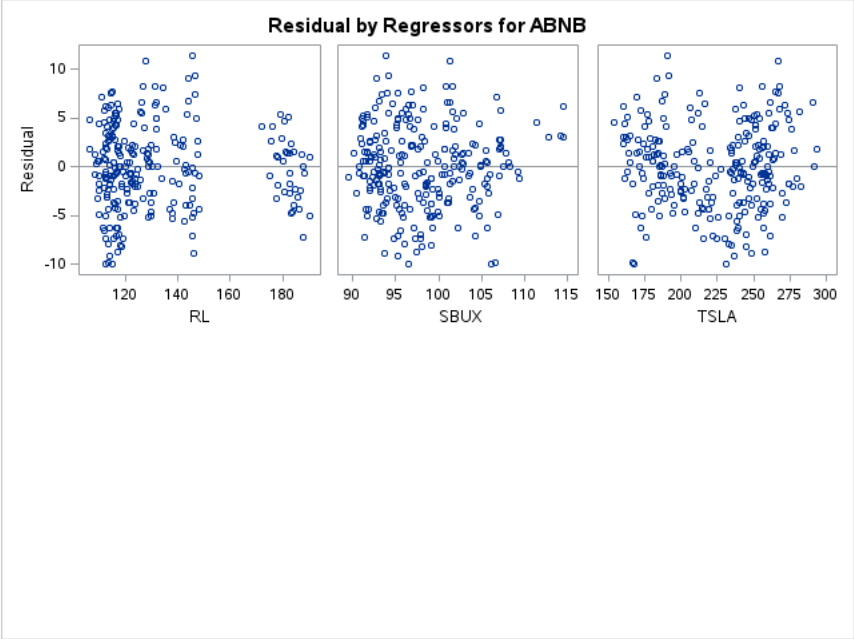
## Model Evaluation with R-Square

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**






## Model Evaluation with Adjusted R-Square

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB**

**Adjusted R-Square Selection Method**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

| Number in Model | Adjusted R-Square | R-Square | Variables in Model |
|---|---|---|---|
| 9 | 0.9215 | 0.9243 | AMZN EBAY CZR DECK DRI LOW RL SBUX TSLA |
| 8 | 0.9195 | 0.9221 | EBAY CZR DECK DRI LOW RL SBUX TSLA |
| 8 | 0.9193 | 0.9219 | AMZN EBAY CZR DECK DRI RL SBUX TSLA |
| 8 | 0.9182 | 0.9208 | AMZN EBAY CZR DECK DRI LOW RL TSLA |
| 7 | 0.9181 | 0.9204 | EBAY CZR DECK DRI RL SBUX TSLA |
| 8 | 0.9178 | 0.9205 | AMZN EBAY CZR DECK DRI LOW SBUX TSLA |
| 7 | 0.9178 | 0.9201 | EBAY CZR DECK DRI LOW RL TSLA |
| 8 | 0.9153 | 0.9180 | AMZN CZR DECK DRI LOW RL SBUX TSLA |
| 6 | 0.9147 | 0.9168 | EBAY CZR DECK DRI RL TSLA |
| 7 | 0.9145 | 0.9169 | AMZN EBAY CZR DECK DRI RL TSLA |
| 7 | 0.9143 | 0.9168 | EBAY CZR DECK DRI LOW SBUX TSLA |

| Number in Model | Adjusted R-Square | R-Square | Variables in Model |
|---|---|---|---|
| 7 | 0.9142 | 0.9167 | AMZN EBAY CZR DECK DRI LOW TSLA |
| 7 | 0.9138 | 0.9162 | EBAY CZR DECK DRI LOW RL SBUX |
| 8 | 0.9135 | 0.9163 | AMZN EBAY CZR DECK DRI LOW RL SBUX |
| 6 | 0.9132 | 0.9153 | EBAY CZR DECK DRI RL SBUX |
| 6 | 0.9129 | 0.9150 | EBAY CZR DECK DRI LOW TSLA |
| 7 | 0.9129 | 0.9153 | AMZN EBAY CZR DECK DRI RL SBUX |
| 7 | 0.9124 | 0.9149 | AMZN EBAY CZR DECK DRI SBUX TSLA |
| 7 | 0.9120 | 0.9145 | AMZN CZR DECK DRI LOW RL TSLA |
| 7 | 0.9115 | 0.9140 | CZR DECK DRI LOW RL SBUX TSLA |
| 7 | 0.9107 | 0.9132 | AMZN CZR DECK DRI LOW SBUX TSLA |
| 6 | 0.9104 | 0.9125 | CZR DECK DRI LOW RL TSLA |
| 6 | 0.9100 | 0.9122 | EBAY CZR DECK DRI SBUX TSLA |
| 6 | 0.9081 | 0.9103 | EBAY CZR DECK DRI LOW SBUX |
| 7 | 0.9080 | 0.9106 | AMZN EBAY CZR DECK DRI LOW SBUX |
| 7 | 0.9077 | 0.9103 | AMZN CZR DECK DRI LOW RL SBUX |
| 6 | 0.9075 | 0.9098 | CZR DECK DRI LOW RL SBUX |
| 6 | 0.9071 | 0.9094 | AMZN CZR DECK DRI LOW TSLA |
| 6 | 0.9062 | 0.9084 | AMZN EBAY CZR DECK DRI TSLA |
| 5 | 0.9061 | 0.9080 | EBAY CZR DECK DRI TSLA |
| 7 | 0.9060 | 0.9086 | AMZN EBAY CZR DECK DRI LOW RL |
| 5 | 0.9051 | 0.9070 | EBAY CZR DECK DRI SBUX |
| 6 | 0.9050 | 0.9073 | AMZN EBAY CZR DECK DRI SBUX |
| 6 | 0.9044 | 0.9067 | CZR DECK DRI LOW SBUX TSLA |
| 6 | 0.9043 | 0.9066 | AMZN EBAY CZR DECK DRI RL |
| 5 | 0.9036 | 0.9055 | CZR DECK DRI LOW TSLA |
| 6 | 0.9031 | 0.9055 | EBAY CZR DECK DRI LOW RL |
| 8 | 0.9014 | 0.9046 | AMZN EBAY CZR DECK LOW RL SBUX TSLA |
| 6 | 0.9013 | 0.9037 | AMZN CZR DECK DRI LOW SBUX |
| 7 | 0.9008 | 0.9036 | AMZN EBAY CZR DECK RL SBUX TSLA |
| 7 | 0.9006 | 0.9034 | AMZN EBAY CZR DECK LOW SBUX TSLA |
| 6 | 0.9003 | 0.9027 | AMZN CZR DECK DRI LOW RL |
| 5 | 0.9001 | 0.9021 | CZR DECK DRI LOW SBUX |
| 8 | 0.9000 | 0.9032 | AMZN EBAY CZR DRI LOW RL SBUX TSLA |
| 5 | 0.8999 | 0.9019 | EBAY CZR DECK DRI RL |
| 7 | 0.8997 | 0.9025 | EBAY CZR DECK LOW RL SBUX TSLA |
| 7 | 0.8996 | 0.9025 | AMZN EBAY CZR DRI LOW RL SBUX |
| 6 | 0.8996 | 0.9020 | EBAY CZR DECK RL SBUX TSLA |
| 6 | 0.8995 | 0.9019 | AMZN EBAY CZR DECK DRI LOW |
| 5 | 0.8994 | 0.9015 | CZR DECK DRI LOW RL |
| 7 | 0.8993 | 0.9022 | AMZN EBAY CZR DRI LOW RL TSLA |
| 6 | 0.8989 | 0.9013 | AMZN EBAY CZR DRI RL SBUX |
| 7 | 0.8988 | 0.9017 | AMZN EBAY CZR DRI RL SBUX TSLA |
| 6 | 0.8988 | 0.9012 | AMZN EBAY CZR DECK SBUX TSLA |
| 6 | 0.8981 | 0.9006 | EBAY CZR DECK LOW SBUX TSLA |
| 7 | 0.8980 | 0.9009 | AMZN EBAY DECK DRI LOW RL TSLA |
| 5 | 0.8978 | 0.8999 | EBAY CZR DECK DRI LOW |
| 6 | 0.8978 | 0.9003 | AMZN EBAY DECK DRI LOW TSLA |
| 6 | 0.8977 | 0.9002 | AMZN EBAY CZR DRI LOW RL |
| 8 | 0.8976 | 0.9009 | AMZN EBAY DECK DRI LOW RL SBUX TSLA |
| 7 | 0.8975 | 0.9004 | AMZN EBAY DECK DRI LOW SBUX TSLA |
| 6 | 0.8975 | 0.9000 | AMZN EBAY CZR DRI RL TSLA |
| 6 | 0.8971 | 0.8996 | AMZN DECK DRI LOW RL TSLA |
| 5 | 0.8967 | 0.8988 | EBAY CZR DECK SBUX TSLA |
| 7 | 0.8967 | 0.8996 | AMZN DECK DRI LOW RL SBUX TSLA |
| 7 | 0.8966 | 0.8995 | AMZN CZR DECK LOW RL SBUX TSLA |
| 6 | 0.8965 | 0.8990 | EBAY DECK DRI LOW RL TSLA |
| 5 | 0.8965 | 0.8986 | AMZN DECK DRI LOW TSLA |
| 5 | 0.8964 | 0.8985 | EBAY CZR DECK RL SBUX |
| 5 | 0.8964 | 0.8985 | AMZN EBAY CZR DRI RL |
| 7 | 0.8963 | 0.8992 | EBAY DECK DRI LOW RL SBUX TSLA |
| 6 | 0.8962 | 0.8988 | EBAY CZR DECK LOW RL SBUX |
| 6 | 0.8962 | 0.8988 | AMZN DECK DRI LOW SBUX TSLA |
| 6 | 0.8961 | 0.8986 | AMZN EBAY CZR DECK RL SBUX |
| 7 | 0.8959 | 0.8989 | AMZN EBAY CZR DECK LOW RL SBUX |
| 7 | 0.8959 | 0.8989 | AMZN CZR DECK DRI RL SBUX TSLA |
| 5 | 0.8959 | 0.8980 | EBAY DECK DRI LOW TSLA |
| 6 | 0.8956 | 0.8981 | EBAY DECK DRI LOW SBUX TSLA |
| 6 | 0.8953 | 0.8978 | AMZN CZR DECK LOW SBUX TSLA |
| 7 | 0.8952 | 0.8982 | AMZN CZR DRI LOW RL SBUX TSLA |
| 5 | 0.8949 | 0.8970 | DECK DRI LOW RL TSLA |
| 6 | 0.8949 | 0.8975 | AMZN CZR DRI LOW RL SBUX |
| 6 | 0.8946 | 0.8971 | DECK DRI LOW RL SBUX TSLA |
| 6 | 0.8945 | 0.8971 | AMZN CZR DRI LOW RL TSLA |
| 5 | 0.8942 | 0.8963 | EBAY CZR DECK LOW SBUX |

| Number in Model | Adjusted R-Square | R-Square | Variables in Model |
|---|---|---|---|
| 6 | 0.8941 | 0.8967 | AMZN EBAY CZR DECK LOW SBUX |
| 6 | 0.8941 | 0.8966 | AMZN CZR DECK DRI RL SBUX |
| 5 | 0.8939 | 0.8961 | AMZN EBAY CZR DECK DRI |
| 4 | 0.8934 | 0.8951 | EBAY CZR DECK SBUX |
| 6 | 0.8934 | 0.8960 | CZR DECK DRI RL SBUX TSLA |
| 4 | 0.8934 | 0.8951 | DECK DRI LOW TSLA |
| 6 | 0.8933 | 0.8959 | CZR DECK LOW RL SBUX TSLA |
| 5 | 0.8933 | 0.8954 | AMZN EBAY CZR DECK SBUX |
| 5 | 0.8932 | 0.8954 | CZR DECK DRI RL SBUX |
| 5 | 0.8930 | 0.8951 | DECK DRI LOW SBUX TSLA |
| 5 | 0.8929 | 0.8951 | AMZN CZR DRI LOW RL |
| 4 | 0.8928 | 0.8945 | CZR DECK DRI LOW |
| 5 | 0.8928 | 0.8949 | AMZN CZR DECK DRI LOW |
| 6 | 0.8914 | 0.8940 | AMZN CZR DECK LOW RL SBUX |
| 5 | 0.8910 | 0.8932 | CZR DECK LOW RL SBUX |
| 4 | 0.8906 | 0.8923 | EBAY CZR DECK DRI |
| 5 | 0.8904 | 0.8926 | CZR DECK LOW SBUX TSLA |
| 6 | 0.8896 | 0.8922 | EBAY CZR DECK LOW RL TSLA |
| 7 | 0.8891 | 0.8922 | AMZN EBAY CZR DECK LOW RL TSLA |
| 5 | 0.8890 | 0.8913 | EBAY CZR DECK LOW TSLA |
| 5 | 0.8889 | 0.8911 | AMZN CZR DECK LOW SBUX |
| 6 | 0.8886 | 0.8913 | AMZN EBAY CZR DECK LOW TSLA |
| 4 | 0.8878 | 0.8896 | CZR DECK LOW SBUX |
| 5 | 0.8872 | 0.8895 | EBAY CZR DECK RL TSLA |
| 6 | 0.8870 | 0.8897 | AMZN EBAY CZR DECK RL TSLA |
| 5 | 0.8860 | 0.8883 | CZR DECK DRI RL TSLA |
| 6 | 0.8857 | 0.8885 | AMZN CZR DECK DRI RL TSLA |
| 4 | 0.8850 | 0.8869 | EBAY CZR DECK TSLA |
| 5 | 0.8848 | 0.8871 | CZR DECK LOW RL TSLA |
| 6 | 0.8846 | 0.8874 | AMZN CZR DECK LOW RL TSLA |
| 6 | 0.8846 | 0.8874 | AMZN CZR DECK RL SBUX TSLA |
| 5 | 0.8846 | 0.8869 | AMZN EBAY CZR DECK TSLA |
| 5 | 0.8837 | 0.8860 | AMZN CZR DECK LOW TSLA |
| 4 | 0.8834 | 0.8852 | CZR DECK LOW TSLA |
| 5 | 0.8831 | 0.8855 | AMZN CZR DECK RL SBUX |
| 5 | 0.8830 | 0.8854 | AMZN EBAY CZR RL SBUX |
| 6 | 0.8829 | 0.8857 | AMZN EBAY DECK LOW SBUX TSLA |
| 6 | 0.8829 | 0.8857 | AMZN EBAY CZR LOW RL SBUX |
| 7 | 0.8827 | 0.8860 | AMZN EBAY CZR LOW RL SBUX TSLA |
| 6 | 0.8827 | 0.8855 | AMZN EBAY CZR RL SBUX TSLA |
| 7 | 0.8824 | 0.8857 | AMZN EBAY DECK LOW RL SBUX TSLA |
| 4 | 0.8823 | 0.8842 | CZR DECK RL SBUX |
| 5 | 0.8823 | 0.8846 | AMZN DECK LOW SBUX TSLA |
| 5 | 0.8822 | 0.8846 | CZR DECK RL SBUX TSLA |
| 6 | 0.8818 | 0.8847 | AMZN DECK LOW RL SBUX TSLA |
| 5 | 0.8818 | 0.8842 | AMZN CZR DRI RL SBUX |
| 5 | 0.8816 | 0.8840 | EBAY DECK LOW SBUX TSLA |
| 6 | 0.8814 | 0.8842 | AMZN CZR DRI RL SBUX TSLA |
| 6 | 0.8812 | 0.8841 | EBAY DECK LOW RL SBUX TSLA |
| 5 | 0.8812 | 0.8836 | AMZN CZR DECK DRI RL |
| 6 | 0.8809 | 0.8838 | CZR DRI LOW RL SBUX TSLA |
| 6 | 0.8808 | 0.8837 | AMZN EBAY DRI LOW RL TSLA |
| 7 | 0.8806 | 0.8840 | AMZN EBAY DRI LOW RL SBUX TSLA |
| 7 | 0.8805 | 0.8839 | EBAY CZR DRI LOW RL SBUX TSLA |
| 5 | 0.8804 | 0.8828 | AMZN DRI LOW RL TSLA |
| 6 | 0.8801 | 0.8830 | AMZN DRI LOW RL SBUX TSLA |
| 4 | 0.8800 | 0.8820 | EBAY DECK LOW TSLA |
| 4 | 0.8800 | 0.8819 | DECK LOW SBUX TSLA |
| 4 | 0.8799 | 0.8819 | CZR DECK DRI RL |
| 5 | 0.8799 | 0.8823 | DECK LOW RL SBUX TSLA |
| 5 | 0.8799 | 0.8823 | AMZN EBAY DECK LOW TSLA |
| 5 | 0.8796 | 0.8821 | EBAY DECK LOW RL TSLA |
| 6 | 0.8794 | 0.8824 | AMZN EBAY DECK LOW RL TSLA |
| 5 | 0.8793 | 0.8817 | AMZN CZR LOW RL SBUX |
| 6 | 0.8790 | 0.8820 | AMZN CZR LOW RL SBUX TSLA |
| 4 | 0.8786 | 0.8806 | AMZN DECK LOW TSLA |
| 5 | 0.8786 | 0.8810 | CZR DRI LOW RL SBUX |
| 5 | 0.8783 | 0.8807 | AMZN DECK LOW RL TSLA |
| 3 | 0.8782 | 0.8797 | DECK LOW TSLA |
| 4 | 0.8782 | 0.8801 | DECK LOW RL TSLA |
| 6 | 0.8781 | 0.8810 | EBAY CZR DRI LOW RL SBUX |
| 6 | 0.8777 | 0.8807 | AMZN EBAY CZR DECK LOW RL |
| 5 | 0.8771 | 0.8796 | AMZN EBAY CZR DECK RL |
| 5 | 0.8762 | 0.8787 | AMZN CZR DRI RL TSLA |

| Number in Model | Adjusted R-Square | R-Square | Variables in Model |
|---|---|---|---|
| 6 | 0.8762 | 0.8792 | AMZN EBAY CZR LOW RL TSLA |
| 4 | 0.8762 | 0.8782 | AMZN CZR DRI RL |
| 5 | 0.8759 | 0.8784 | AMZN EBAY CZR DECK LOW |
| 6 | 0.8758 | 0.8788 | EBAY CZR DRI RL SBUX TSLA |
| 5 | 0.8752 | 0.8777 | AMZN EBAY CZR RL TSLA |
| 5 | 0.8745 | 0.8771 | EBAY CZR DRI RL SBUX |
| 5 | 0.8737 | 0.8762 | AMZN CZR DECK LOW RL |
| 5 | 0.8737 | 0.8762 | AMZN EBAY CZR LOW RL |
| 4 | 0.8735 | 0.8755 | AMZN EBAY CZR DECK |
| 4 | 0.8732 | 0.8752 | AMZN EBAY CZR RL |
| 5 | 0.8726 | 0.8752 | AMZN CZR LOW RL TSLA |
| 5 | 0.8723 | 0.8749 | CZR DRI LOW RL TSLA |
| 6 | 0.8719 | 0.8750 | EBAY CZR DRI LOW RL TSLA |
| 4 | 0.8713 | 0.8734 | AMZN CZR RL SBUX |
| 4 | 0.8712 | 0.8733 | AMZN CZR DECK LOW |
| 5 | 0.8709 | 0.8735 | AMZN CZR RL SBUX TSLA |
| 4 | 0.8705 | 0.8726 | CZR DRI RL SBUX |
| 5 | 0.8704 | 0.8730 | CZR DRI RL SBUX TSLA |
| 5 | 0.8703 | 0.8729 | EBAY CZR DECK LOW RL |
| 4 | 0.8701 | 0.8722 | AMZN CZR LOW RL |
| 5 | 0.8699 | 0.8725 | AMZN EBAY CZR DRI LOW |
| 4 | 0.8698 | 0.8719 | EBAY CZR DECK LOW |
| 6 | 0.8697 | 0.8728 | AMZN EBAY CZR DRI LOW SBUX |
| 6 | 0.8694 | 0.8726 | AMZN EBAY CZR DRI LOW TSLA |
| 7 | 0.8691 | 0.8728 | AMZN EBAY CZR DRI LOW SBUX TSLA |
| 4 | 0.8691 | 0.8712 | CZR DECK LOW RL |
| 3 | 0.8680 | 0.8696 | CZR DECK LOW |
| 4 | 0.8679 | 0.8700 | EBAY CZR DECK RL |
| 6 | 0.8673 | 0.8705 | AMZN EBAY LOW RL SBUX TSLA |
| 5 | 0.8670 | 0.8696 | AMZN LOW RL SBUX TSLA |
| 6 | 0.8669 | 0.8702 | AMZN CZR DECK DRI SBUX TSLA |
| 5 | 0.8667 | 0.8694 | CZR LOW RL SBUX TSLA |
| 5 | 0.8667 | 0.8694 | AMZN EBAY LOW RL TSLA |
| 4 | 0.8663 | 0.8685 | CZR DECK RL TSLA |
| 6 | 0.8662 | 0.8694 | EBAY CZR LOW RL SBUX TSLA |
| 4 | 0.8661 | 0.8682 | AMZN LOW RL TSLA |
| 5 | 0.8658 | 0.8685 | AMZN CZR DECK RL TSLA |
| 5 | 0.8658 | 0.8685 | AMZN CZR DECK DRI SBUX |
| 5 | 0.8657 | 0.8684 | AMZN CZR DECK SBUX TSLA |
| 3 | 0.8656 | 0.8673 | EBAY CZR DECK |
| 4 | 0.8655 | 0.8677 | CZR LOW RL SBUX |
| 5 | 0.8650 | 0.8677 | EBAY CZR LOW RL SBUX |
| 6 | 0.8647 | 0.8680 | EBAY DRI LOW RL SBUX TSLA |
| 4 | 0.8646 | 0.8668 | AMZN CZR DECK SBUX |
| 5 | 0.8645 | 0.8672 | DRI LOW RL SBUX TSLA |
| 5 | 0.8641 | 0.8668 | AMZN EBAY DRI LOW TSLA |
| 5 | 0.8638 | 0.8665 | EBAY CZR RL SBUX TSLA |
| 4 | 0.8637 | 0.8659 | AMZN CZR DRI LOW |
| 6 | 0.8636 | 0.8669 | AMZN EBAY DRI LOW SBUX TSLA |
| 5 | 0.8634 | 0.8662 | AMZN CZR DRI LOW SBUX |
| 4 | 0.8632 | 0.8654 | EBAY CZR RL SBUX |
| 5 | 0.8632 | 0.8659 | EBAY DRI LOW RL TSLA |
| 5 | 0.8631 | 0.8659 | AMZN CZR DRI LOW TSLA |
| 5 | 0.8631 | 0.8658 | AMZN EBAY CZR LOW SBUX |
| 6 | 0.8629 | 0.8662 | AMZN CZR DRI LOW SBUX TSLA |
| 4 | 0.8627 | 0.8649 | DRI LOW RL TSLA |
| 6 | 0.8625 | 0.8659 | AMZN EBAY CZR LOW SBUX TSLA |
| 4 | 0.8613 | 0.8635 | AMZN DRI LOW TSLA |
| 4 | 0.8612 | 0.8634 | AMZN DRI LOW RL |
| 3 | 0.8611 | 0.8627 | CZR RL SBUX |
| 5 | 0.8610 | 0.8638 | AMZN DRI LOW RL SBUX |
| 6 | 0.8610 | 0.8643 | AMZN DECK DRI LOW RL SBUX |
| 5 | 0.8610 | 0.8638 | AMZN DECK DRI LOW SBUX |
| 4 | 0.8609 | 0.8631 | AMZN CZR DECK RL |
| 5 | 0.8608 | 0.8636 | AMZN DECK DRI LOW RL |
| 4 | 0.8608 | 0.8631 | CZR RL SBUX TSLA |
| 5 | 0.8607 | 0.8635 | AMZN DRI LOW SBUX TSLA |
| 5 | 0.8606 | 0.8634 | AMZN EBAY DRI LOW RL |
| 4 | 0.8606 | 0.8628 | AMZN DECK DRI LOW |
| 6 | 0.8605 | 0.8639 | AMZN EBAY DRI LOW RL SBUX |
| 7 | 0.8604 | 0.8644 | AMZN EBAY DECK DRI LOW RL SBUX |
| 6 | 0.8604 | 0.8638 | AMZN EBAY DECK DRI LOW SBUX |
| 4 | 0.8603 | 0.8625 | AMZN EBAY CZR LOW |
| 6 | 0.8603 | 0.8637 | AMZN EBAY DECK DRI LOW RL |

| Number in Model | Adjusted R-Square | R-Square | Variables in Model |
|---|---|---|---|
| 5 | 0.8602 | 0.8631 | AMZN EBAY CZR LOW TSLA |
| 5 | 0.8601 | 0.8629 | EBAY CZR DRI RL TSLA |
| 5 | 0.8600 | 0.8628 | AMZN EBAY DECK DRI LOW |
| 4 | 0.8591 | 0.8614 | AMZN CZR RL TSLA |
| 4 | 0.8591 | 0.8614 | CZR DECK DRI SBUX |
| 3 | 0.8587 | 0.8604 | CZR DECK SBUX |
| 5 | 0.8586 | 0.8614 | CZR DECK DRI SBUX TSLA |
| 3 | 0.8585 | 0.8602 | AMZN CZR RL |
| 4 | 0.8581 | 0.8604 | CZR DECK SBUX TSLA |
| 4 | 0.8579 | 0.8602 | AMZN CZR LOW SBUX |
| 6 | 0.8576 | 0.8610 | AMZN EBAY CZR DRI SBUX TSLA |
| 4 | 0.8574 | 0.8597 | AMZN EBAY DRI LOW |
| 5 | 0.8573 | 0.8602 | AMZN CZR LOW SBUX TSLA |
| 3 | 0.8573 | 0.8590 | AMZN DRI LOW |
| 5 | 0.8571 | 0.8600 | EBAY CZR DRI LOW RL |
| 5 | 0.8571 | 0.8600 | AMZN EBAY CZR DRI SBUX |
| 5 | 0.8571 | 0.8599 | AMZN EBAY LOW SBUX TSLA |
| 5 | 0.8570 | 0.8599 | AMZN EBAY DRI LOW SBUX |
| 4 | 0.8569 | 0.8592 | AMZN EBAY LOW TSLA |
| 4 | 0.8569 | 0.8592 | AMZN DRI LOW SBUX |
| 4 | 0.8569 | 0.8592 | AMZN EBAY CZR DRI |
| 5 | 0.8567 | 0.8596 | AMZN EBAY CZR DRI TSLA |
| 3 | 0.8562 | 0.8579 | CZR DECK RL |
| 4 | 0.8561 | 0.8585 | CZR DRI LOW RL |
| 5 | 0.8558 | 0.8587 | EBAY DECK DRI RL TSLA |
| 6 | 0.8554 | 0.8589 | AMZN EBAY DECK DRI RL TSLA |
| 3 | 0.8554 | 0.8571 | AMZN CZR LOW |
| 4 | 0.8552 | 0.8576 | AMZN CZR LOW TSLA |
| 6 | 0.8552 | 0.8587 | EBAY DECK DRI RL SBUX TSLA |
| 5 | 0.8551 | 0.8580 | EBAY DECK DRI LOW SBUX |
| 4 | 0.8549 | 0.8572 | AMZN LOW SBUX TSLA |
| 7 | 0.8549 | 0.8590 | AMZN EBAY DECK DRI RL SBUX TSLA |
| 5 | 0.8548 | 0.8578 | AMZN EBAY CZR SBUX TSLA |
| 6 | 0.8545 | 0.8580 | EBAY DECK DRI LOW RL SBUX |
| 4 | 0.8545 | 0.8569 | AMZN EBAY CZR SBUX |
| 3 | 0.8544 | 0.8562 | AMZN LOW TSLA |
| 4 | 0.8541 | 0.8565 | AMZN DECK LOW SBUX |
| 4 | 0.8539 | 0.8563 | DECK DRI LOW SBUX |
| 4 | 0.8539 | 0.8562 | CZR DRI RL TSLA |
| 5 | 0.8536 | 0.8565 | AMZN DECK LOW RL SBUX |
| 5 | 0.8535 | 0.8565 | AMZN EBAY DECK LOW SBUX |
| 5 | 0.8535 | 0.8564 | EBAY LOW RL SBUX TSLA |
| 5 | 0.8534 | 0.8564 | DECK DRI LOW RL SBUX |
| 4 | 0.8534 | 0.8558 | LOW RL SBUX TSLA |
| 4 | 0.8533 | 0.8557 | AMZN LOW RL SBUX |
| 6 | 0.8530 | 0.8565 | AMZN EBAY DECK LOW RL SBUX |
| 5 | 0.8527 | 0.8557 | AMZN EBAY LOW RL SBUX |
| 3 | 0.8520 | 0.8538 | AMZN EBAY CZR |
| 4 | 0.8515 | 0.8539 | EBAY DECK DRI TSLA |
| 3 | 0.8514 | 0.8532 | AMZN LOW SBUX |
| 4 | 0.8514 | 0.8538 | AMZN EBAY CZR TSLA |
| 5 | 0.8513 | 0.8543 | EBAY DECK RL SBUX TSLA |
| 4 | 0.8512 | 0.8536 | AMZN EBAY LOW SBUX |
| 4 | 0.8510 | 0.8534 | EBAY DECK RL TSLA |
| 5 | 0.8509 | 0.8539 | AMZN EBAY DECK DRI TSLA |
| 5 | 0.8509 | 0.8539 | EBAY DECK DRI SBUX TSLA |
| 5 | 0.8509 | 0.8539 | AMZN EBAY DECK RL TSLA |
| 6 | 0.8508 | 0.8544 | AMZN EBAY DECK RL SBUX TSLA |
| 6 | 0.8503 | 0.8539 | AMZN EBAY DECK DRI SBUX TSLA |
| 3 | 0.8502 | 0.8520 | AMZN LOW RL |
| 3 | 0.8501 | 0.8519 | AMZN DECK LOW |
| 4 | 0.8497 | 0.8522 | AMZN DECK LOW RL |
| 4 | 0.8496 | 0.8521 | AMZN EBAY LOW RL |
| 4 | 0.8496 | 0.8520 | AMZN EBAY DECK LOW |
| 2 | 0.8493 | 0.8505 | AMZN LOW |
| 4 | 0.8492 | 0.8516 | EBAY DECK LOW SBUX |
| 5 | 0.8491 | 0.8522 | AMZN EBAY DECK LOW RL |
| 3 | 0.8491 | 0.8510 | AMZN EBAY LOW |
| 4 | 0.8489 | 0.8514 | EBAY DECK SBUX TSLA |
| 3 | 0.8488 | 0.8506 | EBAY DECK TSLA |
| 5 | 0.8487 | 0.8517 | EBAY DECK LOW RL SBUX |
| 4 | 0.8486 | 0.8510 | EBAY DECK DRI LOW |
| 5 | 0.8483 | 0.8514 | AMZN EBAY DECK SBUX TSLA |
| 4 | 0.8483 | 0.8508 | AMZN EBAY DECK TSLA |

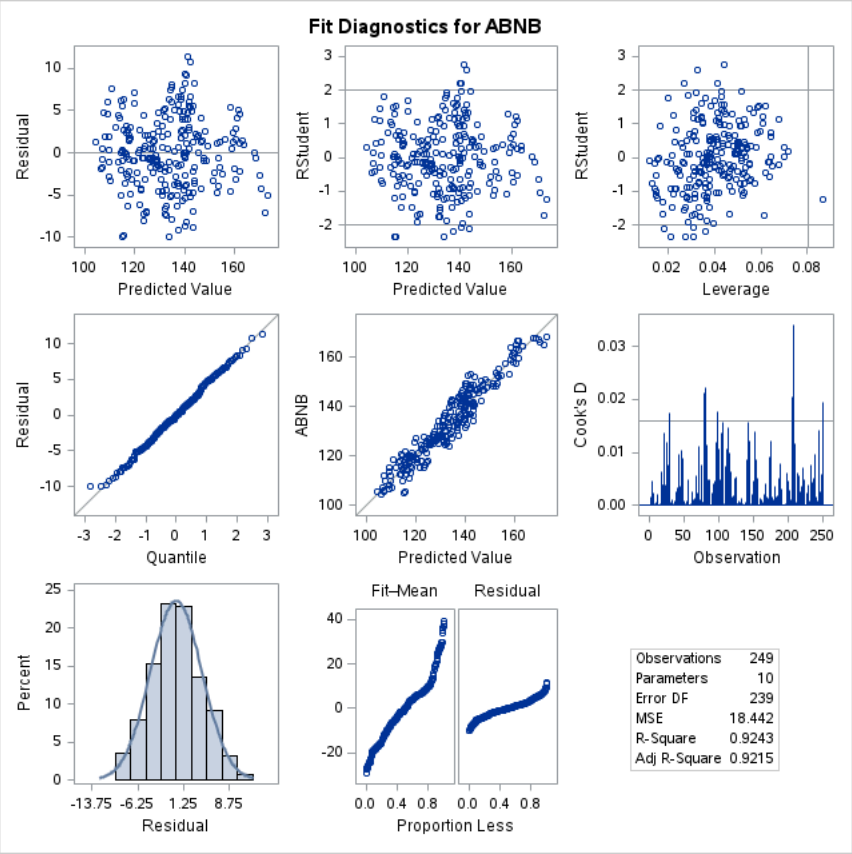
| Number in Model | Adjusted R-Square | R-Square | Variables in Model |
|---|---|---|---|
| 3 | 0.8482 | 0.8500 | DECK LOW SBUX |
| 4 | 0.8480 | 0.8505 | DECK LOW RL SBUX |
| 5 | 0.8480 | 0.8510 | EBAY DECK DRI LOW RL |
| 5 | 0.8469 | 0.8500 | AMZN EBAY DRI RL TSLA |
| 6 | 0.8468 | 0.8505 | AMZN EBAY DRI RL SBUX TSLA |
| 5 | 0.8467 | 0.8497 | AMZN CZR DECK DRI TSLA |
| 3 | 0.8460 | 0.8479 | DECK DRI LOW |
| 4 | 0.8457 | 0.8482 | CZR LOW RL TSLA |
| 5 | 0.8456 | 0.8488 | EBAY CZR LOW RL TSLA |
| 4 | 0.8456 | 0.8481 | DECK DRI LOW RL |
| 4 | 0.8455 | 0.8480 | CZR DECK DRI TSLA |
| 4 | 0.8449 | 0.8474 | EBAY CZR DRI RL |
| 4 | 0.8437 | 0.8463 | EBAY LOW RL TSLA |
| 4 | 0.8433 | 0.8459 | AMZN EBAY RL TSLA |
| 3 | 0.8433 | 0.8452 | CZR DRI RL |
| 3 | 0.8431 | 0.8450 | LOW RL TSLA |
| 5 | 0.8428 | 0.8459 | AMZN EBAY RL SBUX TSLA |
| 3 | 0.8427 | 0.8446 | CZR DECK DRI |
| 4 | 0.8421 | 0.8446 | AMZN CZR DECK DRI |
| 4 | 0.8417 | 0.8443 | AMZN CZR DECK TSLA |
| 3 | 0.8416 | 0.8435 | CZR DECK TSLA |
| 5 | 0.8378 | 0.8411 | EBAY DRI LOW RL SBUX |
| 3 | 0.8369 | 0.8389 | AMZN CZR DECK |
| 2 | 0.8367 | 0.8380 | CZR DECK |
| 4 | 0.8353 | 0.8380 | EBAY CZR RL TSLA |
| 3 | 0.8342 | 0.8362 | EBAY DECK LOW |
| 4 | 0.8338 | 0.8365 | EBAY DECK LOW RL |
| 4 | 0.8328 | 0.8355 | EBAY LOW RL SBUX |
| 3 | 0.8325 | 0.8346 | CZR RL TSLA |
| 3 | 0.8317 | 0.8337 | DECK LOW RL |
| 2 | 0.8310 | 0.8324 | DECK LOW |
| 4 | 0.8304 | 0.8332 | DRI LOW RL SBUX |
| 3 | 0.8266 | 0.8287 | LOW RL SBUX |
| 4 | 0.8264 | 0.8292 | EBAY CZR LOW RL |
| 4 | 0.8245 | 0.8273 | EBAY DRI LOW RL |
| 3 | 0.8233 | 0.8255 | CZR LOW RL |
| 3 | 0.8233 | 0.8254 | AMZN EBAY TSLA |
| 4 | 0.8227 | 0.8255 | AMZN EBAY DRI TSLA |
| 4 | 0.8226 | 0.8255 | AMZN EBAY SBUX TSLA |
| 5 | 0.8222 | 0.8258 | AMZN EBAY DRI SBUX TSLA |
| 5 | 0.8180 | 0.8217 | EBAY DRI RL SBUX TSLA |
| 4 | 0.8168 | 0.8198 | EBAY RL SBUX TSLA |
| 2 | 0.8162 | 0.8177 | CZR RL |
| 3 | 0.8157 | 0.8179 | EBAY CZR RL |
| 4 | 0.8148 | 0.8178 | EBAY DRI RL TSLA |
| 3 | 0.8099 | 0.8122 | DRI LOW RL |
| 3 | 0.8094 | 0.8117 | EBAY RL TSLA |
| 3 | 0.8081 | 0.8104 | EBAY LOW RL |
| 3 | 0.8022 | 0.8046 | DECK RL TSLA |
| 4 | 0.8020 | 0.8052 | DECK RL SBUX TSLA |
| 4 | 0.8017 | 0.8049 | AMZN DECK RL TSLA |
| 4 | 0.8015 | 0.8047 | DECK DRI RL TSLA |
| 5 | 0.8013 | 0.8053 | AMZN DECK RL SBUX TSLA |
| 5 | 0.8012 | 0.8052 | DECK DRI RL SBUX TSLA |
| 3 | 0.8010 | 0.8034 | AMZN RL TSLA |
| 5 | 0.8009 | 0.8049 | AMZN DECK DRI RL TSLA |
| 6 | 0.8004 | 0.8053 | AMZN DECK DRI RL SBUX TSLA |
| 4 | 0.8003 | 0.8035 | AMZN RL SBUX TSLA |
| 4 | 0.8002 | 0.8034 | AMZN EBAY DECK RL |
| 4 | 0.8002 | 0.8034 | AMZN DRI RL TSLA |
| 5 | 0.7999 | 0.8039 | AMZN EBAY DECK RL SBUX |
| 5 | 0.7996 | 0.8037 | AMZN EBAY DECK DRI RL |
| 5 | 0.7995 | 0.8035 | AMZN DRI RL SBUX TSLA |
| 6 | 0.7991 | 0.8040 | AMZN EBAY DECK DRI RL SBUX |
| 5 | 0.7953 | 0.7994 | AMZN CZR DRI SBUX TSLA |
| 4 | 0.7946 | 0.7979 | AMZN EBAY RL SBUX |
| 5 | 0.7939 | 0.7980 | AMZN EBAY DRI RL SBUX |
| 3 | 0.7937 | 0.7962 | AMZN EBAY RL |
| 3 | 0.7936 | 0.7961 | AMZN EBAY SBUX |
| 3 | 0.7936 | 0.7961 | AMZN EBAY DECK |
| 2 | 0.7934 | 0.7950 | AMZN EBAY |
| 2 | 0.7934 | 0.7950 | LOW RL |
| 4 | 0.7933 | 0.7967 | AMZN EBAY DECK SBUX |
| 3 | 0.7933 | 0.7958 | RL SBUX TSLA |

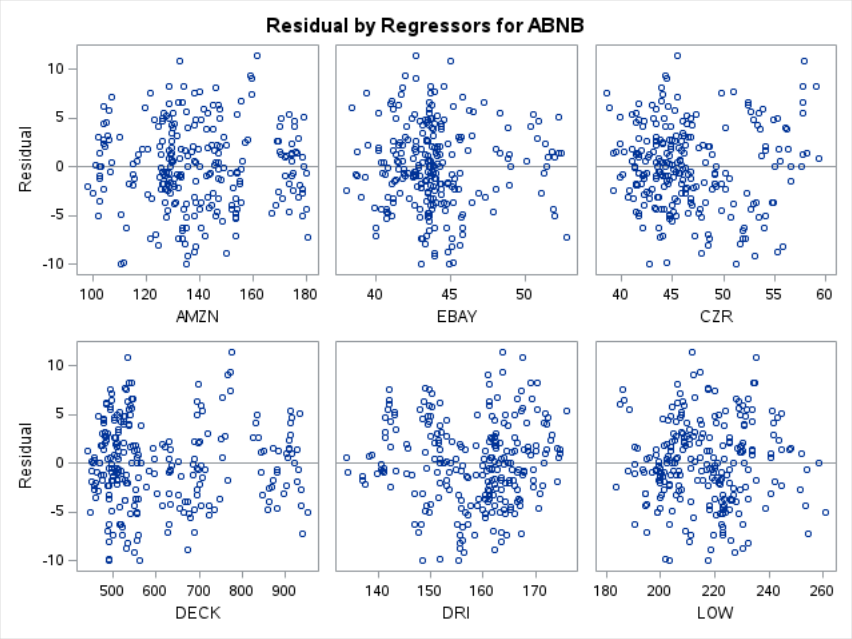
| Number in Model | Adjusted R-Square | R-Square | Variables in Model |
|---|---|---|---|
| 4 | 0.7931 | 0.7965 | AMZN CZR SBUX TSLA |
| 4 | 0.7931 | 0.7965 | AMZN EBAY DRI SBUX |
| 4 | 0.7929 | 0.7962 | AMZN EBAY DRI RL |
| 5 | 0.7928 | 0.7970 | AMZN EBAY DECK DRI SBUX |
| 4 | 0.7928 | 0.7962 | AMZN EBAY DECK DRI |
| 3 | 0.7925 | 0.7951 | AMZN EBAY DRI |
| 4 | 0.7925 | 0.7958 | DRI RL SBUX TSLA |
| 2 | 0.7903 | 0.7920 | RL TSLA |
| 3 | 0.7902 | 0.7928 | DRI RL TSLA |
| 3 | 0.7854 | 0.7880 | AMZN CZR TSLA |
| 4 | 0.7852 | 0.7886 | AMZN CZR DRI TSLA |
| 4 | 0.7799 | 0.7835 | AMZN CZR DRI SBUX |
| 3 | 0.7767 | 0.7794 | AMZN CZR DRI |
| 5 | 0.7743 | 0.7789 | EBAY CZR LOW SBUX TSLA |
| 4 | 0.7740 | 0.7777 | EBAY CZR LOW SBUX |
| 6 | 0.7739 | 0.7793 | EBAY CZR DRI LOW SBUX TSLA |
| 5 | 0.7737 | 0.7783 | EBAY CZR DRI LOW SBUX |
| 3 | 0.7737 | 0.7764 | AMZN CZR SBUX |
| 2 | 0.7735 | 0.7753 | AMZN CZR |
| 5 | 0.7702 | 0.7748 | EBAY DRI LOW SBUX TSLA |
| 4 | 0.7701 | 0.7738 | EBAY DRI LOW SBUX |
| 4 | 0.7699 | 0.7736 | EBAY LOW SBUX TSLA |
| 3 | 0.7695 | 0.7723 | EBAY LOW SBUX |
| 5 | 0.7667 | 0.7714 | CZR DRI LOW SBUX TSLA |
| 4 | 0.7665 | 0.7703 | CZR LOW SBUX TSLA |
| 4 | 0.7661 | 0.7698 | CZR DRI LOW SBUX |
| 3 | 0.7657 | 0.7685 | CZR LOW SBUX |
| 3 | 0.7655 | 0.7683 | DRI LOW SBUX |
| 4 | 0.7646 | 0.7684 | DRI LOW SBUX TSLA |
| 2 | 0.7645 | 0.7664 | LOW SBUX |
| 3 | 0.7637 | 0.7666 | LOW SBUX TSLA |
| 5 | 0.7617 | 0.7665 | AMZN DECK DRI SBUX TSLA |
| 4 | 0.7615 | 0.7653 | DECK DRI SBUX TSLA |
| 3 | 0.7598 | 0.7627 | DECK DRI TSLA |
| 4 | 0.7590 | 0.7629 | AMZN DECK DRI TSLA |
| 5 | 0.7563 | 0.7612 | AMZN DECK DRI RL SBUX |
| 4 | 0.7558 | 0.7598 | AMZN DECK DRI RL |
| 3 | 0.7550 | 0.7580 | AMZN DECK RL |
| 4 | 0.7544 | 0.7583 | AMZN DECK RL SBUX |
| 3 | 0.7514 | 0.7544 | AMZN DECK TSLA |
| 2 | 0.7514 | 0.7534 | DECK TSLA |
| 4 | 0.7508 | 0.7549 | AMZN DECK SBUX TSLA |
| 3 | 0.7504 | 0.7534 | DECK SBUX TSLA |
| 5 | 0.7497 | 0.7547 | EBAY DECK DRI RL SBUX |
| 4 | 0.7489 | 0.7529 | EBAY CZR LOW TSLA |
| 4 | 0.7487 | 0.7527 | EBAY DECK DRI SBUX |
| 5 | 0.7485 | 0.7536 | EBAY CZR DRI LOW TSLA |
| 4 | 0.7455 | 0.7496 | EBAY DECK RL SBUX |
| 4 | 0.7427 | 0.7469 | AMZN DRI RL SBUX |
| 3 | 0.7423 | 0.7454 | EBAY DECK SBUX |
| 3 | 0.7369 | 0.7401 | AMZN DRI RL |
| 4 | 0.7366 | 0.7409 | EBAY DRI RL SBUX |
| 3 | 0.7347 | 0.7379 | AMZN RL SBUX |
| 2 | 0.7330 | 0.7351 | AMZN RL |
| 3 | 0.7321 | 0.7353 | EBAY RL SBUX |
| 3 | 0.7311 | 0.7344 | CZR LOW TSLA |
| 4 | 0.7304 | 0.7347 | CZR DRI LOW TSLA |
| 4 | 0.7298 | 0.7342 | EBAY CZR DRI LOW |
| 3 | 0.7294 | 0.7327 | EBAY CZR LOW |
| 4 | 0.7266 | 0.7310 | AMZN DRI SBUX TSLA |
| 3 | 0.7257 | 0.7291 | AMZN DRI TSLA |
| 4 | 0.7192 | 0.7237 | DECK DRI RL SBUX |
| 3 | 0.7183 | 0.7217 | DRI RL SBUX |
| 4 | 0.7177 | 0.7223 | AMZN DECK DRI SBUX |
| 3 | 0.7173 | 0.7207 | AMZN DRI SBUX |
| 3 | 0.7162 | 0.7196 | EBAY DECK RL |
| 4 | 0.7153 | 0.7199 | EBAY DECK DRI RL |
| 2 | 0.7139 | 0.7162 | EBAY DECK |
| 3 | 0.7137 | 0.7172 | EBAY DECK DRI |
| 2 | 0.7130 | 0.7153 | AMZN DRI |
| 3 | 0.7122 | 0.7157 | AMZN DECK DRI |
| 2 | 0.7058 | 0.7082 | RL SBUX |
| 3 | 0.7057 | 0.7093 | DECK RL SBUX |
| 2 | 0.7004 | 0.7028 | AMZN TSLA |

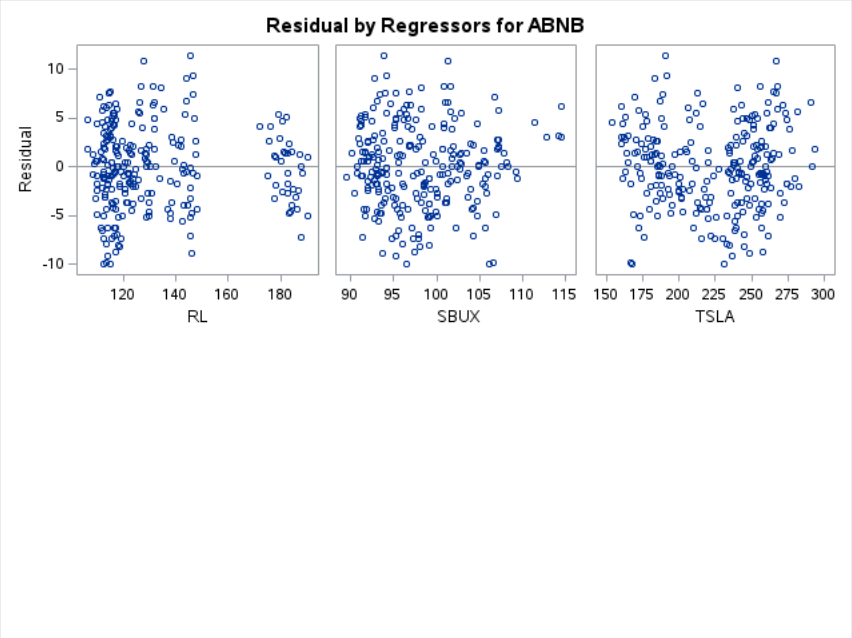
| Number in Model | Adjusted R-Square | R-Square | Variables in Model |
|---|---|---|---|
| 3 | 0.7000 | 0.7036 | AMZN SBUX TSLA |
| 2 | 0.6979 | 0.7003 | EBAY LOW |
| 2 | 0.6977 | 0.7002 | CZR LOW |
| 3 | 0.6977 | 0.7013 | CZR DRI LOW |
| 3 | 0.6976 | 0.7013 | DECK DRI SBUX |
| 3 | 0.6973 | 0.7010 | EBAY DRI LOW |
| 3 | 0.6969 | 0.7006 | EBAY LOW TSLA |
| 4 | 0.6965 | 0.7014 | EBAY DRI LOW TSLA |
| 2 | 0.6900 | 0.6925 | AMZN DECK |
| 2 | 0.6898 | 0.6923 | EBAY RL |
| 3 | 0.6892 | 0.6929 | AMZN DECK SBUX |
| 3 | 0.6886 | 0.6924 | EBAY DRI RL |
| 1 | 0.6884 | 0.6897 | AMZN |
| 2 | 0.6871 | 0.6897 | AMZN SBUX |
| 3 | 0.6838 | 0.6876 | DECK DRI RL |
| 2 | 0.6806 | 0.6832 | DECK RL |
| 1 | 0.6773 | 0.6786 | LOW |
| 2 | 0.6769 | 0.6795 | LOW TSLA |
| 2 | 0.6765 | 0.6791 | DRI LOW |
| 3 | 0.6761 | 0.6800 | DRI LOW TSLA |
| 2 | 0.6758 | 0.6784 | DRI RL |
| 1 | 0.6747 | 0.6760 | RL |
| 2 | 0.6589 | 0.6617 | DECK DRI |
| 2 | 0.6559 | 0.6586 | DECK SBUX |
| 5 | 0.6462 | 0.6533 | EBAY CZR DRI SBUX TSLA |
| 4 | 0.6434 | 0.6491 | EBAY CZR DRI SBUX |
| 1 | 0.6368 | 0.6382 | DECK |
| 4 | 0.6296 | 0.6356 | EBAY DRI SBUX TSLA |
| 3 | 0.6273 | 0.6318 | EBAY DRI SBUX |
| 4 | 0.6124 | 0.6187 | CZR DRI SBUX TSLA |
| 3 | 0.5951 | 0.6000 | CZR DRI SBUX |
| 2 | 0.5776 | 0.5810 | DRI SBUX |
| 3 | 0.5761 | 0.5812 | DRI SBUX TSLA |
| 4 | 0.5589 | 0.5660 | EBAY CZR SBUX TSLA |
| 3 | 0.5512 | 0.5566 | EBAY CZR SBUX |
| 3 | 0.5241 | 0.5298 | EBAY SBUX TSLA |
| 2 | 0.5194 | 0.5233 | EBAY SBUX |
| 3 | 0.4344 | 0.4413 | CZR SBUX TSLA |
| 4 | 0.4172 | 0.4266 | EBAY CZR DRI TSLA |
| 3 | 0.4039 | 0.4111 | EBAY DRI TSLA |
| 2 | 0.3857 | 0.3907 | EBAY DRI |
| 3 | 0.3834 | 0.3909 | EBAY CZR DRI |
| 2 | 0.3588 | 0.3640 | CZR SBUX |
| 3 | 0.3319 | 0.3400 | CZR DRI TSLA |
| 2 | 0.3304 | 0.3358 | DRI TSLA |
| 1 | 0.3245 | 0.3272 | DRI |
| 2 | 0.3221 | 0.3275 | CZR DRI |
| 1 | 0.3024 | 0.3052 | SBUX |
| 2 | 0.2997 | 0.3054 | SBUX TSLA |
| 3 | 0.2905 | 0.2991 | EBAY CZR TSLA |
| 2 | 0.2877 | 0.2935 | EBAY TSLA |
| 2 | 0.2642 | 0.2701 | EBAY CZR |
| 1 | 0.2630 | 0.2659 | EBAY |
| 1 | 0.0105 | 0.0145 | CZR |
| 2 | 0.0067 | 0.0147 | CZR TSLA |
| 1 | 0.0007 | 0.0048 | TSLA |

## Model Evaluation with Adjusted R-Square

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**


Fit Diagnostics for ABNB
Residual
Predicted Value
RStudent
Leverage
Quantile
ABNB
Cook's D
Observation
Percent
Fit–Mean
Residual
Proportion Less
Observations 249
Parameters 10
Error DF 239
MSE 18.442
R-Square 0.9243
Adj R-Square 0.9215


Residual by Regressors for ABNB
Residual
AMZN
EBAY
CZR
DECK
DRI
LOW




## Model Evaluation with Cp Statistic

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB**

**C(p) Selection Method**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

| Number in Model | C(p) | R-Square | Variables in Model |
|---|---|---|---|
| 9 | 10.0000 | 0.9243 | AMZN EBAY CZR DECK DRI LOW RL SBUX TSLA |
| 8 | 14.9662 | 0.9221 | EBAY CZR DECK DRI LOW RL SBUX TSLA |
| 8 | 15.6215 | 0.9219 | AMZN EBAY CZR DECK DRI RL SBUX TSLA |
| 7 | 18.3670 | 0.9204 | EBAY CZR DECK DRI RL SBUX TSLA |
| 8 | 19.2081 | 0.9208 | AMZN EBAY CZR DECK DRI LOW RL TSLA |
| 7 | 19.4798 | 0.9201 | EBAY CZR DECK DRI LOW RL TSLA |
| 8 | 20.2474 | 0.9205 | AMZN EBAY CZR DECK DRI LOW SBUX TSLA |
| 6 | 27.7983 | 0.9168 | EBAY CZR DECK DRI RL TSLA |
| 8 | 27.8957 | 0.9180 | AMZN CZR DECK DRI LOW RL SBUX TSLA |
| 7 | 29.4961 | 0.9169 | AMZN EBAY CZR DECK DRI RL TSLA |
| 7 | 29.9517 | 0.9168 | EBAY CZR DECK DRI LOW SBUX TSLA |
| 7 | 30.2433 | 0.9167 | AMZN EBAY CZR DECK DRI LOW TSLA |
| 7 | 31.5714 | 0.9162 | EBAY CZR DECK DRI LOW RL SBUX |
| 6 | 32.5138 | 0.9153 | EBAY CZR DECK DRI RL SBUX |
| 8 | 33.4720 | 0.9163 | AMZN EBAY CZR DECK DRI LOW RL SBUX |
| 6 | 33.5290 | 0.9150 | EBAY CZR DECK DRI LOW TSLA |
| 7 | 34.4906 | 0.9153 | AMZN EBAY CZR DECK DRI RL SBUX |
| 7 | 35.7620 | 0.9149 | AMZN EBAY CZR DECK DRI SBUX TSLA |
| 7 | 37.2113 | 0.9145 | AMZN CZR DECK DRI LOW RL TSLA |
| 7 | 38.5438 | 0.9140 | CZR DECK DRI LOW RL SBUX TSLA |
| 7 | 41.0409 | 0.9132 | AMZN CZR DECK DRI LOW SBUX TSLA |
| 6 | 41.3226 | 0.9125 | CZR DECK DRI LOW RL TSLA |
| 6 | 42.3877 | 0.9122 | EBAY CZR DECK DRI SBUX TSLA |
| 6 | 48.3384 | 0.9103 | EBAY CZR DECK DRI LOW SBUX |
| 7 | 49.3374 | 0.9106 | AMZN EBAY CZR DECK DRI LOW SBUX |
| 6 | 50.0332 | 0.9098 | CZR DECK DRI LOW RL SBUX |
| 7 | 50.2185 | 0.9103 | AMZN CZR DECK DRI LOW RL SBUX |
| 6 | 51.2488 | 0.9094 | AMZN CZR DECK DRI LOW TSLA |
| 5 | 53.6035 | 0.9080 | EBAY CZR DECK DRI TSLA |
| 6 | 54.2179 | 0.9084 | AMZN EBAY CZR DECK DRI TSLA |
| 7 | 55.6302 | 0.9086 | AMZN EBAY CZR DECK DRI LOW RL |
| 5 | 56.6384 | 0.9070 | EBAY CZR DECK DRI SBUX |
| 6 | 57.9158 | 0.9073 | AMZN EBAY CZR DECK DRI SBUX |
| 6 | 59.6913 | 0.9067 | CZR DECK DRI LOW SBUX TSLA |
| 6 | 59.9660 | 0.9066 | AMZN EBAY CZR DECK DRI RL |
| 5 | 61.3593 | 0.9055 | CZR DECK DRI LOW TSLA |
| 6 | 63.6379 | 0.9055 | EBAY CZR DECK DRI LOW RL |

| Number in Model | C(p) | R-Square | Variables in Model |
|---|---|---|---|
| 6 | 69.3525 | 0.9037 | AMZN CZR DECK DRI LOW SBUX |
| 8 | 70.3445 | 0.9046 | AMZN EBAY CZR DECK LOW RL SBUX TSLA |
| 7 | 71.3905 | 0.9036 | AMZN EBAY CZR DECK RL SBUX TSLA |
| 7 | 72.0246 | 0.9034 | AMZN EBAY CZR DECK LOW SBUX TSLA |
| 6 | 72.2191 | 0.9027 | AMZN CZR DECK DRI LOW RL |
| 5 | 72.3178 | 0.9021 | CZR DECK DRI LOW SBUX |
| 5 | 72.7330 | 0.9019 | EBAY CZR DECK DRI RL |
| 5 | 74.2709 | 0.9015 | CZR DECK DRI LOW RL |
| 6 | 74.5441 | 0.9020 | EBAY CZR DECK RL SBUX TSLA |
| 6 | 74.7813 | 0.9019 | AMZN EBAY CZR DECK DRI LOW |
| 8 | 74.8171 | 0.9032 | AMZN EBAY CZR DRI LOW RL SBUX TSLA |
| 7 | 74.8318 | 0.9025 | EBAY CZR DECK LOW RL SBUX TSLA |
| 7 | 75.1166 | 0.9025 | AMZN EBAY CZR DRI LOW RL SBUX |
| 7 | 76.0932 | 0.9022 | AMZN EBAY CZR DRI LOW RL TSLA |
| 6 | 76.7607 | 0.9013 | AMZN EBAY CZR DRI RL SBUX |
| 6 | 77.0929 | 0.9012 | AMZN EBAY CZR DECK SBUX TSLA |
| 7 | 77.5404 | 0.9017 | AMZN EBAY CZR DRI RL SBUX TSLA |
| 6 | 79.1268 | 0.9006 | EBAY CZR DECK LOW SBUX TSLA |
| 5 | 79.1755 | 0.8999 | EBAY CZR DECK DRI LOW |
| 6 | 79.9153 | 0.9003 | AMZN EBAY DECK DRI LOW TSLA |
| 7 | 80.1128 | 0.9009 | AMZN EBAY DECK DRI LOW RL TSLA |
| 6 | 80.2503 | 0.9002 | AMZN EBAY CZR DRI LOW RL |
| 6 | 81.0381 | 0.9000 | AMZN EBAY CZR DRI RL TSLA |
| 7 | 81.7222 | 0.9004 | AMZN EBAY DECK DRI LOW SBUX TSLA |
| 8 | 82.0492 | 0.9009 | AMZN EBAY DECK DRI LOW RL SBUX TSLA |
| 6 | 82.2891 | 0.8996 | AMZN DECK DRI LOW RL TSLA |
| 5 | 82.5865 | 0.8988 | EBAY CZR DECK SBUX TSLA |
| 5 | 83.4605 | 0.8986 | AMZN DECK DRI LOW TSLA |
| 5 | 83.5444 | 0.8985 | EBAY CZR DECK RL SBUX |
| 5 | 83.7642 | 0.8985 | AMZN EBAY CZR DRI RL |
| 6 | 83.8988 | 0.8990 | EBAY DECK DRI LOW RL TSLA |
| 7 | 84.0342 | 0.8996 | AMZN DECK DRI LOW RL SBUX TSLA |
| 7 | 84.3988 | 0.8995 | AMZN CZR DECK LOW RL SBUX TSLA |
| 6 | 84.8106 | 0.8988 | EBAY CZR DECK LOW RL SBUX |
| 6 | 84.8277 | 0.8988 | AMZN DECK DRI LOW SBUX TSLA |
| 5 | 85.1783 | 0.8980 | EBAY DECK DRI LOW TSLA |
| 6 | 85.2555 | 0.8986 | AMZN EBAY CZR DECK RL SBUX |
| 7 | 85.4258 | 0.8992 | EBAY DECK DRI LOW RL SBUX TSLA |
| 7 | 86.4189 | 0.8989 | AMZN EBAY CZR DECK LOW RL SBUX |
| 7 | 86.4588 | 0.8989 | AMZN CZR DECK DRI RL SBUX TSLA |
| 6 | 86.8510 | 0.8981 | EBAY DECK DRI LOW SBUX TSLA |
| 6 | 87.8116 | 0.8978 | AMZN CZR DECK LOW SBUX TSLA |
| 5 | 88.2221 | 0.8970 | DECK DRI LOW RL TSLA |
| 7 | 88.5710 | 0.8982 | AMZN CZR DRI LOW RL SBUX TSLA |
| 6 | 88.8892 | 0.8975 | AMZN CZR DRI LOW RL SBUX |
| 6 | 89.9023 | 0.8971 | DECK DRI LOW RL SBUX TSLA |
| 6 | 90.0765 | 0.8971 | AMZN CZR DRI LOW RL TSLA |
| 5 | 90.4865 | 0.8963 | EBAY CZR DECK LOW SBUX |
| 5 | 91.2931 | 0.8961 | AMZN EBAY CZR DECK DRI |
| 6 | 91.3956 | 0.8967 | AMZN EBAY CZR DECK LOW SBUX |
| 6 | 91.5482 | 0.8966 | AMZN CZR DECK DRI RL SBUX |
| 4 | 92.2132 | 0.8951 | EBAY CZR DECK SBUX |
| 4 | 92.3707 | 0.8951 | DECK DRI LOW TSLA |
| 5 | 93.3125 | 0.8954 | AMZN EBAY CZR DECK SBUX |
| 5 | 93.4261 | 0.8954 | CZR DECK DRI RL SBUX |
| 6 | 93.5370 | 0.8960 | CZR DECK DRI RL SBUX TSLA |
| 6 | 93.8163 | 0.8959 | CZR DECK LOW RL SBUX TSLA |
| 5 | 94.2309 | 0.8951 | DECK DRI LOW SBUX TSLA |
| 4 | 94.2570 | 0.8945 | CZR DECK DRI LOW |
| 5 | 94.4091 | 0.8951 | AMZN CZR DRI LOW RL |
| 5 | 94.9097 | 0.8949 | AMZN CZR DECK DRI LOW |
| 6 | 99.7956 | 0.8940 | AMZN CZR DECK LOW RL SBUX |
| 5 | 100.2350 | 0.8932 | CZR DECK LOW RL SBUX |
| 4 | 101.0561 | 0.8923 | EBAY CZR DECK DRI |
| 5 | 102.1079 | 0.8926 | CZR DECK LOW SBUX TSLA |
| 6 | 105.3847 | 0.8922 | EBAY CZR DECK LOW RL TSLA |
| 5 | 106.4936 | 0.8913 | EBAY CZR DECK LOW TSLA |
| 5 | 107.0138 | 0.8911 | AMZN CZR DECK LOW SBUX |
| 7 | 107.3777 | 0.8922 | AMZN EBAY CZR DECK LOW RL TSLA |
| 6 | 108.2310 | 0.8913 | AMZN EBAY CZR DECK LOW TSLA |
| 4 | 109.6307 | 0.8896 | CZR DECK LOW SBUX |
| 5 | 111.9811 | 0.8895 | EBAY CZR DECK RL TSLA |
| 6 | 113.4647 | 0.8897 | AMZN EBAY CZR DECK RL TSLA |
| 5 | 115.7317 | 0.8883 | CZR DECK DRI RL TSLA |

| Number in Model | C(p) | R-Square | Variables in Model |
|---|---|---|---|
| 6 | 117.2216 | 0.8885 | AMZN CZR DECK DRI RL TSLA |
| 4 | 118.3458 | 0.8869 | EBAY CZR DECK TSLA |
| 5 | 119.5355 | 0.8871 | CZR DECK LOW RL TSLA |
| 5 | 120.2846 | 0.8869 | AMZN EBAY CZR DECK TSLA |
| 6 | 120.6333 | 0.8874 | AMZN CZR DECK LOW RL TSLA |
| 6 | 120.7272 | 0.8874 | AMZN CZR DECK RL SBUX TSLA |
| 5 | 122.9970 | 0.8860 | AMZN CZR DECK LOW TSLA |
| 4 | 123.5017 | 0.8852 | CZR DECK LOW TSLA |
| 5 | 124.7732 | 0.8855 | AMZN CZR DECK RL SBUX |
| 5 | 125.1390 | 0.8854 | AMZN EBAY CZR RL SBUX |
| 6 | 125.9167 | 0.8857 | AMZN EBAY DECK LOW SBUX TSLA |
| 6 | 125.9312 | 0.8857 | AMZN EBAY CZR LOW RL SBUX |
| 6 | 126.6720 | 0.8855 | AMZN EBAY CZR RL SBUX TSLA |
| 4 | 126.9026 | 0.8842 | CZR DECK RL SBUX |
| 7 | 127.1020 | 0.8860 | AMZN EBAY CZR LOW RL SBUX TSLA |
| 5 | 127.4064 | 0.8846 | AMZN DECK LOW SBUX TSLA |
| 5 | 127.5440 | 0.8846 | CZR DECK RL SBUX TSLA |
| 7 | 127.9154 | 0.8857 | AMZN EBAY DECK LOW RL SBUX TSLA |
| 5 | 128.7973 | 0.8842 | AMZN CZR DRI RL SBUX |
| 6 | 129.2630 | 0.8847 | AMZN DECK LOW RL SBUX TSLA |
| 5 | 129.3771 | 0.8840 | EBAY DECK LOW SBUX TSLA |
| 5 | 130.6497 | 0.8836 | AMZN CZR DECK DRI RL |
| 6 | 130.7143 | 0.8842 | AMZN CZR DRI RL SBUX TSLA |
| 6 | 131.0604 | 0.8841 | EBAY DECK LOW RL SBUX TSLA |
| 6 | 132.1381 | 0.8838 | CZR DRI LOW RL SBUX TSLA |
| 6 | 132.4772 | 0.8837 | AMZN EBAY DRI LOW RL TSLA |
| 5 | 133.2076 | 0.8828 | AMZN DRI LOW RL TSLA |
| 7 | 133.5192 | 0.8840 | AMZN EBAY DRI LOW RL SBUX TSLA |
| 4 | 133.8320 | 0.8820 | EBAY DECK LOW TSLA |
| 7 | 133.8634 | 0.8839 | EBAY CZR DRI LOW RL SBUX TSLA |
| 4 | 134.0257 | 0.8819 | DECK LOW SBUX TSLA |
| 4 | 134.1130 | 0.8819 | CZR DECK DRI RL |
| 6 | 134.6413 | 0.8830 | AMZN DRI LOW RL SBUX TSLA |
| 5 | 134.6497 | 0.8823 | DECK LOW RL SBUX TSLA |
| 5 | 134.6824 | 0.8823 | AMZN EBAY DECK LOW TSLA |
| 5 | 135.5718 | 0.8821 | EBAY DECK LOW RL TSLA |
| 6 | 136.5999 | 0.8824 | AMZN EBAY DECK LOW RL TSLA |
| 5 | 136.7378 | 0.8817 | AMZN CZR LOW RL SBUX |
| 6 | 137.8685 | 0.8820 | AMZN CZR LOW RL SBUX TSLA |
| 4 | 138.2469 | 0.8806 | AMZN DECK LOW TSLA |
| 5 | 138.8463 | 0.8810 | CZR DRI LOW RL SBUX |
| 3 | 138.9843 | 0.8797 | DECK LOW TSLA |
| 4 | 139.6762 | 0.8801 | DECK LOW RL TSLA |
| 5 | 139.6952 | 0.8807 | AMZN DECK LOW RL TSLA |
| 6 | 140.7819 | 0.8810 | EBAY CZR DRI LOW RL SBUX |
| 6 | 141.9002 | 0.8807 | AMZN EBAY CZR DECK LOW RL |
| 5 | 143.4212 | 0.8796 | AMZN EBAY CZR DECK RL |
| 4 | 145.7643 | 0.8782 | AMZN CZR DRI RL |
| 5 | 146.1072 | 0.8787 | AMZN CZR DRI RL TSLA |
| 6 | 146.5490 | 0.8792 | AMZN EBAY CZR LOW RL TSLA |
| 5 | 147.0623 | 0.8784 | AMZN EBAY CZR DECK LOW |
| 6 | 147.7817 | 0.8788 | EBAY CZR DRI RL SBUX TSLA |
| 5 | 149.2506 | 0.8777 | AMZN EBAY CZR RL TSLA |
| 5 | 151.3277 | 0.8771 | EBAY CZR DRI RL SBUX |
| 5 | 153.9951 | 0.8762 | AMZN CZR DECK LOW RL |
| 5 | 154.0163 | 0.8762 | AMZN EBAY CZR LOW RL |
| 4 | 154.2716 | 0.8755 | AMZN EBAY CZR DECK |
| 4 | 155.2256 | 0.8752 | AMZN EBAY CZR RL |
| 5 | 157.2055 | 0.8752 | AMZN CZR LOW RL TSLA |
| 5 | 158.2214 | 0.8749 | CZR DRI LOW RL TSLA |
| 6 | 159.9533 | 0.8750 | EBAY CZR DRI LOW RL TSLA |
| 4 | 160.8523 | 0.8734 | AMZN CZR RL SBUX |
| 4 | 161.3256 | 0.8733 | AMZN CZR DECK LOW |
| 5 | 162.6695 | 0.8735 | AMZN CZR RL SBUX TSLA |
| 4 | 163.5351 | 0.8726 | CZR DRI RL SBUX |
| 5 | 164.0241 | 0.8730 | CZR DRI RL SBUX TSLA |
| 5 | 164.3592 | 0.8729 | EBAY CZR DECK LOW RL |
| 4 | 164.7865 | 0.8722 | AMZN CZR LOW RL |
| 4 | 165.4999 | 0.8719 | EBAY CZR DECK LOW |
| 5 | 165.6979 | 0.8725 | AMZN EBAY CZR DRI LOW |
| 6 | 166.7461 | 0.8728 | AMZN EBAY CZR DRI LOW SBUX |
| 6 | 167.5553 | 0.8726 | AMZN EBAY CZR DRI LOW TSLA |
| 4 | 167.9657 | 0.8712 | CZR DECK LOW RL |
| 7 | 168.7436 | 0.8728 | AMZN EBAY CZR DRI LOW SBUX TSLA |

| Number in Model | C(p) | R-Square | Variables in Model |
|---|---|---|---|
| 3 | 170.7729 | 0.8696 | CZR DECK LOW |
| 4 | 171.6277 | 0.8700 | EBAY CZR DECK RL |
| 6 | 174.1310 | 0.8705 | AMZN EBAY LOW RL SBUX TSLA |
| 5 | 174.7574 | 0.8696 | AMZN LOW RL SBUX TSLA |
| 6 | 175.1394 | 0.8702 | AMZN CZR DECK DRI SBUX TSLA |
| 5 | 175.5849 | 0.8694 | CZR LOW RL SBUX TSLA |
| 5 | 175.6751 | 0.8694 | AMZN EBAY LOW RL TSLA |
| 4 | 176.4206 | 0.8685 | CZR DECK RL TSLA |
| 4 | 177.2511 | 0.8682 | AMZN LOW RL TSLA |
| 6 | 177.4332 | 0.8694 | EBAY CZR LOW RL SBUX TSLA |
| 5 | 178.2576 | 0.8685 | AMZN CZR DECK RL TSLA |
| 3 | 178.2785 | 0.8673 | EBAY CZR DECK |
| 5 | 178.4640 | 0.8685 | AMZN CZR DECK DRI SBUX |
| 5 | 178.6952 | 0.8684 | AMZN CZR DECK SBUX TSLA |
| 4 | 178.8772 | 0.8677 | CZR LOW RL SBUX |
| 5 | 180.8440 | 0.8677 | EBAY CZR LOW RL SBUX |
| 4 | 181.7998 | 0.8668 | AMZN CZR DECK SBUX |
| 6 | 182.0956 | 0.8680 | EBAY DRI LOW RL SBUX TSLA |
| 5 | 182.4422 | 0.8672 | DRI LOW RL SBUX TSLA |
| 5 | 183.7269 | 0.8668 | AMZN EBAY DRI LOW TSLA |
| 5 | 184.5620 | 0.8665 | EBAY CZR RL SBUX TSLA |
| 4 | 184.7098 | 0.8659 | AMZN CZR DRI LOW |
| 6 | 185.3527 | 0.8669 | AMZN EBAY DRI LOW SBUX TSLA |
| 5 | 185.6936 | 0.8662 | AMZN CZR DRI LOW SBUX |
| 4 | 186.1068 | 0.8654 | EBAY CZR RL SBUX |
| 5 | 186.5661 | 0.8659 | EBAY DRI LOW RL TSLA |
| 5 | 186.5821 | 0.8659 | AMZN CZR DRI LOW TSLA |
| 5 | 186.8094 | 0.8658 | AMZN EBAY CZR LOW SBUX |
| 4 | 187.6651 | 0.8649 | DRI LOW RL TSLA |
| 6 | 187.6857 | 0.8662 | AMZN CZR DRI LOW SBUX TSLA |
| 6 | 188.7575 | 0.8659 | AMZN EBAY CZR LOW SBUX TSLA |
| 4 | 192.2118 | 0.8635 | AMZN DRI LOW TSLA |
| 4 | 192.4774 | 0.8634 | AMZN DRI LOW RL |
| 3 | 192.5962 | 0.8627 | CZR RL SBUX |
| 5 | 193.0837 | 0.8638 | AMZN DRI LOW RL SBUX |
| 4 | 193.3040 | 0.8631 | AMZN CZR DECK RL |
| 5 | 193.3199 | 0.8638 | AMZN DECK DRI LOW SBUX |
| 6 | 193.4992 | 0.8643 | AMZN DECK DRI LOW RL SBUX |
| 4 | 193.5186 | 0.8631 | CZR RL SBUX TSLA |
| 5 | 193.7118 | 0.8636 | AMZN DECK DRI LOW RL |
| 5 | 194.1933 | 0.8635 | AMZN DRI LOW SBUX TSLA |
| 4 | 194.3270 | 0.8628 | AMZN DECK DRI LOW |
| 5 | 194.4767 | 0.8634 | AMZN EBAY DRI LOW RL |
| 6 | 195.0706 | 0.8639 | AMZN EBAY DRI LOW RL SBUX |
| 4 | 195.1862 | 0.8625 | AMZN EBAY CZR LOW |
| 6 | 195.3196 | 0.8638 | AMZN EBAY DECK DRI LOW SBUX |
| 7 | 195.4314 | 0.8644 | AMZN EBAY DECK DRI LOW RL SBUX |
| 5 | 195.5847 | 0.8631 | AMZN EBAY CZR LOW TSLA |
| 6 | 195.7007 | 0.8637 | AMZN EBAY DECK DRI LOW RL |
| 5 | 195.9816 | 0.8629 | EBAY CZR DRI RL TSLA |
| 5 | 196.2810 | 0.8628 | AMZN EBAY DECK DRI LOW |
| 4 | 198.7759 | 0.8614 | AMZN CZR RL TSLA |
| 4 | 198.8285 | 0.8614 | CZR DECK DRI SBUX |
| 3 | 200.0034 | 0.8604 | CZR DECK SBUX |
| 5 | 200.6673 | 0.8614 | CZR DECK DRI SBUX TSLA |
| 3 | 200.6752 | 0.8602 | AMZN CZR RL |
| 4 | 201.8947 | 0.8604 | CZR DECK SBUX TSLA |
| 4 | 202.7304 | 0.8602 | AMZN CZR LOW SBUX |
| 6 | 203.9379 | 0.8610 | AMZN EBAY CZR DRI SBUX TSLA |
| 4 | 204.2179 | 0.8597 | AMZN EBAY DRI LOW |
| 3 | 204.3560 | 0.8590 | AMZN DRI LOW |
| 5 | 204.6674 | 0.8602 | AMZN CZR LOW SBUX TSLA |
| 5 | 205.2649 | 0.8600 | EBAY CZR DRI LOW RL |
| 5 | 205.2711 | 0.8600 | AMZN EBAY CZR DRI SBUX |
| 5 | 205.4403 | 0.8599 | AMZN EBAY LOW SBUX TSLA |
| 4 | 205.6100 | 0.8592 | AMZN EBAY LOW TSLA |
| 5 | 205.6259 | 0.8599 | AMZN EBAY DRI LOW SBUX |
| 4 | 205.6994 | 0.8592 | AMZN DRI LOW SBUX |
| 4 | 205.7216 | 0.8592 | AMZN EBAY CZR DRI |
| 5 | 206.6341 | 0.8596 | AMZN EBAY CZR DRI TSLA |
| 3 | 207.7702 | 0.8579 | CZR DECK RL |
| 4 | 208.0833 | 0.8585 | CZR DRI LOW RL |
| 5 | 209.2957 | 0.8587 | EBAY DECK DRI RL TSLA |
| 3 | 210.3928 | 0.8571 | AMZN CZR LOW |

| Number in Model | C(p) | R-Square | Variables in Model |
|---|---|---|---|
| 6 | 210.6710 | 0.8589 | AMZN EBAY DECK DRI RL TSLA |
| 4 | 210.9671 | 0.8576 | AMZN CZR LOW TSLA |
| 6 | 211.2845 | 0.8587 | EBAY DECK DRI RL SBUX TSLA |
| 5 | 211.5003 | 0.8580 | EBAY DECK DRI LOW SBUX |
| 4 | 211.9596 | 0.8572 | AMZN LOW SBUX TSLA |
| 5 | 212.2800 | 0.8578 | AMZN EBAY CZR SBUX TSLA |
| 7 | 212.4763 | 0.8590 | AMZN EBAY DECK DRI RL SBUX TSLA |
| 4 | 213.1895 | 0.8569 | AMZN EBAY CZR SBUX |
| 3 | 213.3599 | 0.8562 | AMZN LOW TSLA |
| 6 | 213.4555 | 0.8580 | EBAY DECK DRI LOW RL SBUX |
| 4 | 214.4188 | 0.8565 | AMZN DECK LOW SBUX |
| 4 | 214.9469 | 0.8563 | DECK DRI LOW SBUX |
| 4 | 215.1940 | 0.8562 | CZR DRI RL TSLA |
| 5 | 216.2356 | 0.8565 | AMZN DECK LOW RL SBUX |
| 5 | 216.4086 | 0.8565 | AMZN EBAY DECK LOW SBUX |
| 5 | 216.4701 | 0.8564 | EBAY LOW RL SBUX TSLA |
| 4 | 216.6281 | 0.8558 | LOW RL SBUX TSLA |
| 5 | 216.6402 | 0.8564 | DECK DRI LOW RL SBUX |
| 4 | 216.8659 | 0.8557 | AMZN LOW RL SBUX |
| 6 | 218.2031 | 0.8565 | AMZN EBAY DECK LOW RL SBUX |
| 5 | 218.8658 | 0.8557 | AMZN EBAY LOW RL SBUX |
| 3 | 220.9308 | 0.8538 | AMZN EBAY CZR |
| 4 | 222.5082 | 0.8539 | EBAY DECK DRI TSLA |
| 3 | 222.7591 | 0.8532 | AMZN LOW SBUX |
| 4 | 222.9117 | 0.8538 | AMZN EBAY CZR TSLA |
| 5 | 223.1769 | 0.8543 | EBAY DECK RL SBUX TSLA |
| 4 | 223.4277 | 0.8536 | AMZN EBAY LOW SBUX |
| 4 | 224.0569 | 0.8534 | EBAY DECK RL TSLA |
| 5 | 224.4312 | 0.8539 | AMZN EBAY DECK DRI TSLA |
| 5 | 224.4757 | 0.8539 | EBAY DECK DRI SBUX TSLA |
| 5 | 224.5793 | 0.8539 | AMZN EBAY DECK RL TSLA |
| 6 | 224.8100 | 0.8544 | AMZN EBAY DECK RL SBUX TSLA |
| 3 | 226.3957 | 0.8520 | AMZN LOW RL |
| 6 | 226.4241 | 0.8539 | AMZN EBAY DECK DRI SBUX TSLA |
| 3 | 226.6693 | 0.8519 | AMZN DECK LOW |
| 4 | 228.0103 | 0.8522 | AMZN DECK LOW RL |
| 4 | 228.2971 | 0.8521 | AMZN EBAY LOW RL |
| 4 | 228.5004 | 0.8520 | AMZN EBAY DECK LOW |
| 2 | 229.1364 | 0.8505 | AMZN LOW |
| 4 | 229.6747 | 0.8516 | EBAY DECK LOW SBUX |
| 3 | 229.7967 | 0.8510 | AMZN EBAY LOW |
| 5 | 229.9419 | 0.8522 | AMZN EBAY DECK LOW RL |
| 4 | 230.4638 | 0.8514 | EBAY DECK SBUX TSLA |
| 3 | 230.9104 | 0.8506 | EBAY DECK TSLA |
| 5 | 231.4072 | 0.8517 | EBAY DECK LOW RL SBUX |
| 4 | 231.5938 | 0.8510 | EBAY DECK DRI LOW |
| 4 | 232.3830 | 0.8508 | AMZN EBAY DECK TSLA |
| 5 | 232.4474 | 0.8514 | AMZN EBAY DECK SBUX TSLA |
| 3 | 232.6839 | 0.8500 | DECK LOW SBUX |
| 4 | 233.2468 | 0.8505 | DECK LOW RL SBUX |
| 5 | 233.5470 | 0.8510 | EBAY DECK DRI LOW RL |
| 5 | 236.9460 | 0.8500 | AMZN EBAY DRI RL TSLA |
| 6 | 237.3171 | 0.8505 | AMZN EBAY DRI RL SBUX TSLA |
| 5 | 237.6195 | 0.8497 | AMZN CZR DECK DRI TSLA |
| 3 | 239.4478 | 0.8479 | DECK DRI LOW |
| 4 | 240.6620 | 0.8482 | CZR LOW RL TSLA |
| 5 | 240.7703 | 0.8488 | EBAY CZR LOW RL TSLA |
| 4 | 240.7728 | 0.8481 | DECK DRI LOW RL |
| 4 | 241.1599 | 0.8480 | CZR DECK DRI TSLA |
| 4 | 242.9877 | 0.8474 | EBAY CZR DRI RL |
| 4 | 246.6101 | 0.8463 | EBAY LOW RL TSLA |
| 4 | 247.8611 | 0.8459 | AMZN EBAY RL TSLA |
| 3 | 248.1360 | 0.8452 | CZR DRI RL |
| 3 | 248.5956 | 0.8450 | LOW RL TSLA |
| 5 | 249.6768 | 0.8459 | AMZN EBAY RL SBUX TSLA |
| 3 | 249.9030 | 0.8446 | CZR DECK DRI |
| 4 | 251.8034 | 0.8446 | AMZN CZR DECK DRI |
| 4 | 252.9433 | 0.8443 | AMZN CZR DECK TSLA |
| 3 | 253.2240 | 0.8435 | CZR DECK TSLA |
| 5 | 264.9081 | 0.8411 | EBAY DRI LOW RL SBUX |
| 3 | 267.9379 | 0.8389 | AMZN CZR DECK |
| 2 | 268.6598 | 0.8380 | CZR DECK |
| 4 | 272.8595 | 0.8380 | EBAY CZR RL TSLA |
| 3 | 276.5012 | 0.8362 | EBAY DECK LOW |

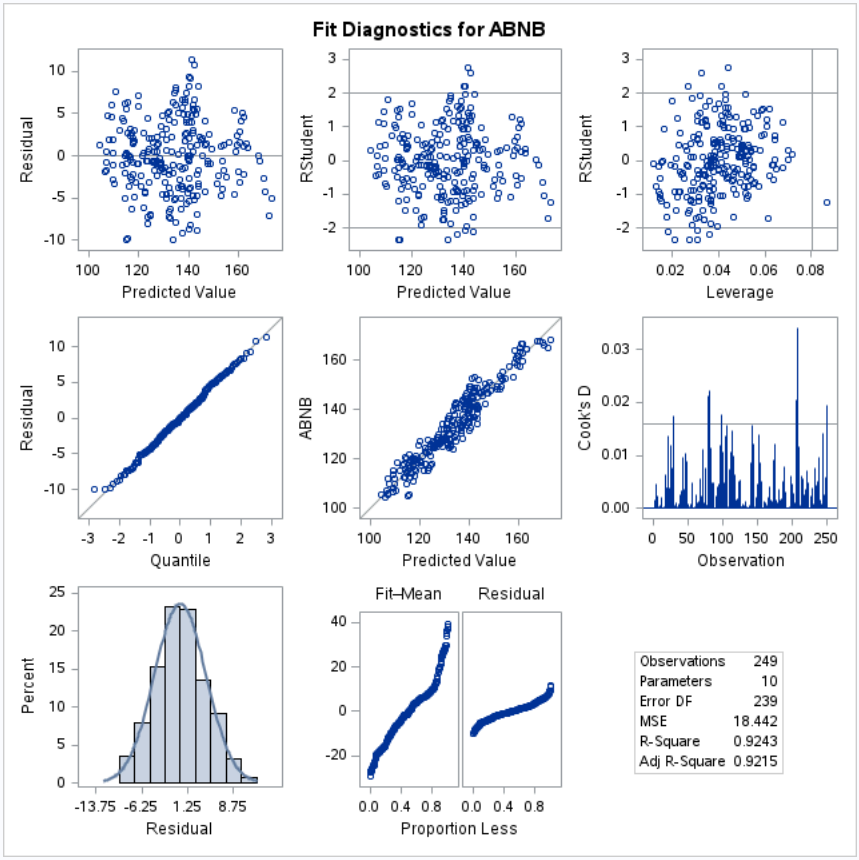
| Number in Model | C(p) | R-Square | Variables in Model |
|---|---|---|---|
| 4 | 277.5363 | 0.8365 | EBAY DECK LOW RL |
| 4 | 280.5877 | 0.8355 | EBAY LOW RL SBUX |
| 3 | 281.5628 | 0.8346 | CZR RL TSLA |
| 3 | 284.1749 | 0.8337 | DECK LOW RL |
| 2 | 286.4424 | 0.8324 | DECK LOW |
| 4 | 288.0341 | 0.8332 | DRI LOW RL SBUX |
| 3 | 300.2539 | 0.8287 | LOW RL SBUX |
| 4 | 300.6032 | 0.8292 | EBAY CZR LOW RL |
| 4 | 306.3909 | 0.8273 | EBAY DRI LOW RL |
| 3 | 310.3261 | 0.8255 | CZR LOW RL |
| 3 | 310.5550 | 0.8254 | AMZN EBAY TSLA |
| 4 | 312.1768 | 0.8255 | AMZN EBAY DRI TSLA |
| 4 | 312.3077 | 0.8255 | AMZN EBAY SBUX TSLA |
| 5 | 313.4283 | 0.8258 | AMZN EBAY DRI SBUX TSLA |
| 5 | 326.2789 | 0.8217 | EBAY DRI RL SBUX TSLA |
| 4 | 330.3717 | 0.8198 | EBAY RL SBUX TSLA |
| 2 | 332.8388 | 0.8177 | CZR RL |
| 3 | 334.1768 | 0.8179 | EBAY CZR RL |
| 4 | 336.6139 | 0.8178 | EBAY DRI RL TSLA |
| 3 | 352.1546 | 0.8122 | DRI LOW RL |
| 3 | 353.7726 | 0.8117 | EBAY RL TSLA |
| 3 | 357.7997 | 0.8104 | EBAY LOW RL |
| 3 | 376.1297 | 0.8046 | DECK RL TSLA |
| 4 | 376.3063 | 0.8052 | DECK RL SBUX TSLA |
| 4 | 377.2982 | 0.8049 | AMZN DECK RL TSLA |
| 4 | 377.9607 | 0.8047 | DECK DRI RL TSLA |
| 5 | 378.1288 | 0.8053 | AMZN DECK RL SBUX TSLA |
| 5 | 378.2724 | 0.8052 | DECK DRI RL SBUX TSLA |
| 5 | 379.1991 | 0.8049 | AMZN DECK DRI RL TSLA |
| 6 | 380.1047 | 0.8053 | AMZN DECK DRI RL SBUX TSLA |
| 3 | 380.1625 | 0.8034 | AMZN RL TSLA |
| 4 | 381.7026 | 0.8035 | AMZN RL SBUX TSLA |
| 4 | 381.9048 | 0.8034 | AMZN EBAY DECK RL |
| 4 | 382.0743 | 0.8034 | AMZN DRI RL TSLA |
| 5 | 382.3502 | 0.8039 | AMZN EBAY DECK RL SBUX |
| 5 | 383.1388 | 0.8037 | AMZN EBAY DECK DRI RL |
| 5 | 383.7023 | 0.8035 | AMZN DRI RL SBUX TSLA |
| 6 | 384.2023 | 0.8040 | AMZN EBAY DECK DRI RL SBUX |
| 5 | 396.5317 | 0.7994 | AMZN CZR DRI SBUX TSLA |
| 4 | 399.4329 | 0.7979 | AMZN EBAY RL SBUX |
| 5 | 401.0510 | 0.7980 | AMZN EBAY DRI RL SBUX |
| 3 | 402.7692 | 0.7962 | AMZN EBAY RL |
| 3 | 403.0301 | 0.7961 | AMZN EBAY SBUX |
| 3 | 403.0754 | 0.7961 | AMZN EBAY DECK |
| 4 | 403.2863 | 0.7967 | AMZN EBAY DECK SBUX |
| 4 | 403.8718 | 0.7965 | AMZN CZR SBUX TSLA |
| 4 | 403.9484 | 0.7965 | AMZN EBAY DRI SBUX |
| 3 | 403.9634 | 0.7958 | RL SBUX TSLA |
| 5 | 404.2660 | 0.7970 | AMZN EBAY DECK DRI SBUX |
| 2 | 404.4165 | 0.7950 | AMZN EBAY |
| 2 | 404.4907 | 0.7950 | LOW RL |
| 4 | 404.6731 | 0.7962 | AMZN EBAY DRI RL |
| 4 | 404.9275 | 0.7962 | AMZN EBAY DECK DRI |
| 4 | 405.9604 | 0.7958 | DRI RL SBUX TSLA |
| 3 | 406.3832 | 0.7951 | AMZN EBAY DRI |
| 3 | 413.5796 | 0.7928 | DRI RL TSLA |
| 2 | 413.9199 | 0.7920 | RL TSLA |
| 4 | 428.6256 | 0.7886 | AMZN CZR DRI TSLA |
| 3 | 428.7048 | 0.7880 | AMZN CZR TSLA |
| 4 | 444.8953 | 0.7835 | AMZN CZR DRI SBUX |
| 3 | 455.8531 | 0.7794 | AMZN CZR DRI |
| 5 | 461.5329 | 0.7789 | EBAY CZR LOW SBUX TSLA |
| 6 | 462.0355 | 0.7793 | EBAY CZR DRI LOW SBUX TSLA |
| 4 | 463.2439 | 0.7777 | EBAY CZR LOW SBUX |
| 5 | 463.3578 | 0.7783 | EBAY CZR DRI LOW SBUX |
| 3 | 465.2652 | 0.7764 | AMZN CZR SBUX |
| 2 | 466.7889 | 0.7753 | AMZN CZR |
| 5 | 474.3154 | 0.7748 | EBAY DRI LOW SBUX TSLA |
| 4 | 475.6073 | 0.7738 | EBAY DRI LOW SBUX |
| 4 | 476.1131 | 0.7736 | EBAY LOW SBUX TSLA |
| 3 | 478.2217 | 0.7723 | EBAY LOW SBUX |
| 5 | 485.1737 | 0.7714 | CZR DRI LOW SBUX TSLA |
| 4 | 486.6239 | 0.7703 | CZR LOW SBUX TSLA |
| 4 | 488.0477 | 0.7698 | CZR DRI LOW SBUX |

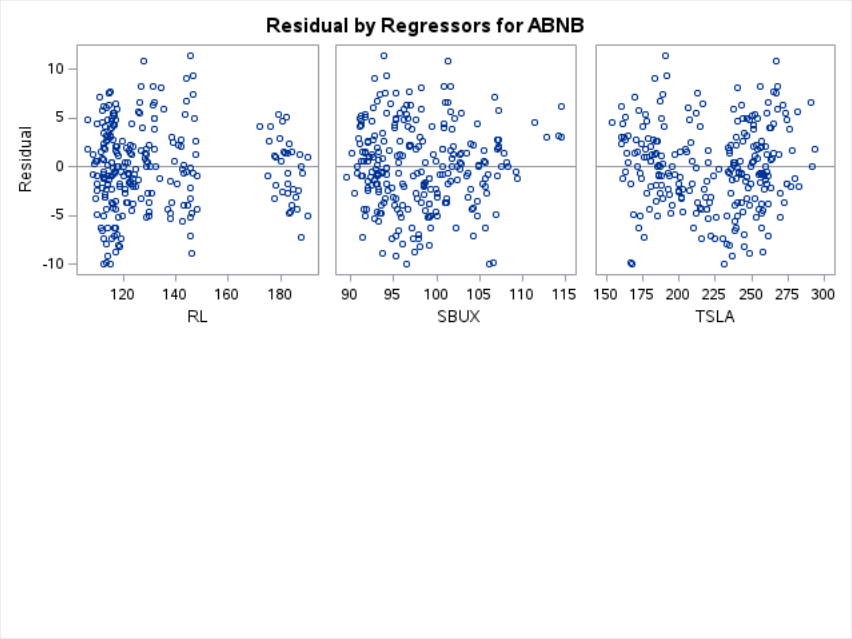
| Number in Model | C(p) | R-Square | Variables in Model |
|---|---|---|---|
| 3 | 490.3100 | 0.7685 | CZR LOW SBUX |
| 3 | 490.8041 | 0.7683 | DRI LOW SBUX |
| 4 | 492.6098 | 0.7684 | DRI LOW SBUX TSLA |
| 2 | 494.8016 | 0.7664 | LOW SBUX |
| 3 | 496.4075 | 0.7666 | LOW SBUX TSLA |
| 5 | 500.4773 | 0.7665 | AMZN DECK DRI SBUX TSLA |
| 4 | 502.2432 | 0.7653 | DECK DRI SBUX TSLA |
| 3 | 508.6558 | 0.7627 | DECK DRI TSLA |
| 4 | 510.0248 | 0.7629 | AMZN DECK DRI TSLA |
| 5 | 517.1785 | 0.7612 | AMZN DECK DRI RL SBUX |
| 4 | 519.9111 | 0.7598 | AMZN DECK DRI RL |
| 3 | 523.4726 | 0.7580 | AMZN DECK RL |
| 4 | 524.4526 | 0.7583 | AMZN DECK RL SBUX |
| 3 | 534.8174 | 0.7544 | AMZN DECK TSLA |
| 4 | 535.3628 | 0.7549 | AMZN DECK SBUX TSLA |
| 2 | 536.1005 | 0.7534 | DECK TSLA |
| 5 | 537.7160 | 0.7547 | EBAY DECK DRI RL SBUX |
| 3 | 537.9440 | 0.7534 | DECK SBUX TSLA |
| 5 | 541.3357 | 0.7536 | EBAY CZR DRI LOW TSLA |
| 4 | 541.4450 | 0.7529 | EBAY CZR LOW TSLA |
| 4 | 542.0858 | 0.7527 | EBAY DECK DRI SBUX |
| 4 | 552.0334 | 0.7496 | EBAY DECK RL SBUX |
| 4 | 560.5829 | 0.7469 | AMZN DRI RL SBUX |
| 3 | 563.2100 | 0.7454 | EBAY DECK SBUX |
| 4 | 579.5700 | 0.7409 | EBAY DRI RL SBUX |
| 3 | 580.0069 | 0.7401 | AMZN DRI RL |
| 3 | 586.8545 | 0.7379 | AMZN RL SBUX |
| 2 | 593.6268 | 0.7351 | AMZN RL |
| 3 | 595.0547 | 0.7353 | EBAY RL SBUX |
| 3 | 598.0492 | 0.7344 | CZR LOW TSLA |
| 4 | 598.9030 | 0.7347 | CZR DRI LOW TSLA |
| 4 | 600.6237 | 0.7342 | EBAY CZR DRI LOW |
| 3 | 603.3905 | 0.7327 | EBAY CZR LOW |
| 4 | 610.7564 | 0.7310 | AMZN DRI SBUX TSLA |
| 3 | 614.8481 | 0.7291 | AMZN DRI TSLA |
| 4 | 633.6675 | 0.7237 | DECK DRI RL SBUX |
| 4 | 638.2081 | 0.7223 | AMZN DECK DRI SBUX |
| 3 | 638.2329 | 0.7217 | DRI RL SBUX |
| 3 | 641.1617 | 0.7207 | AMZN DRI SBUX |
| 3 | 644.7311 | 0.7196 | EBAY DECK RL |
| 4 | 645.7208 | 0.7199 | EBAY DECK DRI RL |
| 3 | 652.4306 | 0.7172 | EBAY DECK DRI |
| 2 | 653.6116 | 0.7162 | EBAY DECK |
| 2 | 656.2417 | 0.7153 | AMZN DRI |
| 3 | 657.1204 | 0.7157 | AMZN DECK DRI |
| 3 | 677.3140 | 0.7093 | DECK RL SBUX |
| 2 | 678.8606 | 0.7082 | RL SBUX |
| 3 | 695.2871 | 0.7036 | AMZN SBUX TSLA |
| 2 | 695.6905 | 0.7028 | AMZN TSLA |
| 3 | 702.4496 | 0.7013 | CZR DRI LOW |
| 3 | 702.5859 | 0.7013 | DECK DRI SBUX |
| 3 | 703.6243 | 0.7010 | EBAY DRI LOW |
| 2 | 703.7261 | 0.7003 | EBAY LOW |
| 2 | 704.1334 | 0.7002 | CZR LOW |
| 4 | 704.2507 | 0.7014 | EBAY DRI LOW TSLA |
| 3 | 704.7354 | 0.7006 | EBAY LOW TSLA |
| 2 | 728.3037 | 0.6925 | AMZN DECK |
| 2 | 728.9677 | 0.6923 | EBAY RL |
| 3 | 728.9998 | 0.6929 | AMZN DECK SBUX |
| 3 | 730.6838 | 0.6924 | EBAY DRI RL |
| 1 | 735.3459 | 0.6897 | AMZN |
| 2 | 737.3346 | 0.6897 | AMZN SBUX |
| 3 | 745.7940 | 0.6876 | DECK DRI RL |
| 2 | 757.7778 | 0.6832 | DECK RL |
| 2 | 769.2794 | 0.6795 | LOW TSLA |
| 3 | 769.9050 | 0.6800 | DRI LOW TSLA |
| 1 | 770.3575 | 0.6786 | LOW |
| 2 | 770.5297 | 0.6791 | DRI LOW |
| 2 | 772.9740 | 0.6784 | DRI RL |
| 1 | 778.5849 | 0.6760 | RL |
| 2 | 825.6664 | 0.6617 | DECK DRI |
| 2 | 835.2786 | 0.6586 | DECK SBUX |
| 5 | 858.0817 | 0.6533 | EBAY CZR DRI SBUX TSLA |
| 4 | 869.4085 | 0.6491 | EBAY CZR DRI SBUX |

| Number in Model | C(p) | R-Square | Variables in Model |
|---|---|---|---|
| 1 | 897.8048 | 0.6382 | DECK |
| 4 | 912.0324 | 0.6356 | EBAY DRI SBUX TSLA |
| 3 | 922.0632 | 0.6318 | EBAY DRI SBUX |
| 4 | 965.5188 | 0.6187 | CZR DRI SBUX TSLA |
| 3 | 1022.394 | 0.6000 | CZR DRI SBUX |
| 2 | 1080.692 | 0.5810 | DRI SBUX |
| 3 | 1081.949 | 0.5812 | DRI SBUX TSLA |
| 4 | 1131.886 | 0.5660 | EBAY CZR SBUX TSLA |
| 3 | 1159.528 | 0.5566 | EBAY CZR SBUX |
| 3 | 1244.226 | 0.5298 | EBAY SBUX TSLA |
| 2 | 1262.893 | 0.5233 | EBAY SBUX |
| 3 | 1523.957 | 0.4413 | CZR SBUX TSLA |
| 4 | 1572.259 | 0.4266 | EBAY CZR DRI TSLA |
| 3 | 1619.117 | 0.4111 | EBAY DRI TSLA |
| 2 | 1681.723 | 0.3907 | EBAY DRI |
| 3 | 1683.162 | 0.3909 | EBAY CZR DRI |
| 2 | 1766.076 | 0.3640 | CZR SBUX |
| 3 | 1843.862 | 0.3400 | CZR DRI TSLA |
| 2 | 1855.054 | 0.3358 | DRI TSLA |
| 1 | 1880.224 | 0.3272 | DRI |
| 2 | 1881.260 | 0.3275 | CZR DRI |
| 1 | 1949.868 | 0.3052 | SBUX |
| 2 | 1951.266 | 0.3054 | SBUX TSLA |
| 3 | 1973.079 | 0.2991 | EBAY CZR TSLA |
| 2 | 1988.845 | 0.2935 | EBAY TSLA |
| 2 | 2062.631 | 0.2701 | EBAY CZR |
| 1 | 2073.787 | 0.2659 | EBAY |
| 1 | 2868.192 | 0.0145 | CZR |
| 2 | 2869.387 | 0.0147 | CZR TSLA |
| 1 | 2898.807 | 0.0048 | TSLA |

## Model Evaluation with Cp Statistic

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**






## Evaluation of Model Predicting Airbnb Stock Prices Using PRESS Statistic

### The GLMSELECT Procedure

| | |
|---|---|
| **Data Set** | WORK.STOCKS |
| **Dependent Variable** | ABNB |
| **Selection Method** | Stepwise |
| **Select Criterion** | SBC |
| **Stop Criterion** | SBC |
| **Choose Criterion** | PRESS |
| **Effect Hierarchy Enforced** | None |

| | |
|---|---|
| **Number of Observations Read** | 249 |
| **Number of Observations Used** | 249 |

| **Dimensions** | |
|---|---|
| **Number of Effects** | 10 |
| **Number of Parameters** | 10 |

## Evaluation of Model Predicting Airbnb Stock Prices Using PRESS Statistic

### The GLMSELECT Procedure

| Stepwise Selection Summary | | | | | |
|---|---|---|---|---|---|
| Step | Effect Entered | Effect Removed | Number Effects In | SBC | PRESS |
| 0 | Intercept | | 1 | 1363.8433 | 58725.2454 |
| 1 | AMZN | | 2 | 1078.0162 | 18326.6869 |
| 2 | LOW | | 3 | 901.6049 | 8893.1369 |
| 3 | DRI | | 4 | 892.5822 | 8467.0782 |
| 4 | CZR | | 5 | 885.6932 | 8121.7628 |
| 5 | RL | | 6 | 830.0326 | 6393.5308 |
| 6 | DECK | | 7 | 816.6777 | 5968.2990 |
| 7 | | AMZN | 6 | 814.4227 | 6013.3255 |
| 8 | TSLA | | 7 | 790.2856 | 5379.2242 |
| 9 | EBAY | | 8 | 773.3339 | 4951.7606 |
| 10 | SBUX | | 9 | 772.3432 | 4862.3340* |
| 11 | | LOW | 8 | 772.2340* | 4927.5781 |
| * Optimal Value of Criterion | | | | | |

Stepwise selection stopped because the sequence of effect additions and removals is cycling.

## Evaluation of Model Predicting Airbnb Stock Prices Using PRESS Statistic

**The GLMSELECT Procedure**
**Selected Model**

**The selected model, based on PRESS, is the model at Step 10.**

| Effects: | Intercept EBAY CZR DECK DRI LOW RL SBUX TSLA |
|---|---|

| Analysis of Variance | | | | |
|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value |
| Model | 8 | 53718 | 6714.80954 | 355.28 |
| Error | 240 | 4536.02760 | 18.90011 | |
| Corrected Total | 248 | 58255 | | |

| | |
|---|---|
| Root MSE | 4.34743 |
| Dependent Mean | 133.76779 |
| R-Square | 0.9221 |
| Adj R-Sq | 0.9195 |
| AIC | 991.68615 |
| AICC | 992.61052 |
| PRESS | 4862.33397 |
| SBC | 772.34323 |

| Parameter Estimates | | | | |
|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | t Value |
| Intercept | 1 | 12.304063 | 10.134799 | 1.21 |
| EBAY | 1 | 0.904679 | 0.181091 | 5.00 |
| CZR | 1 | 1.158816 | 0.137816 | 8.41 |
| DECK | 1 | 0.071030 | 0.006540 | 10.86 |
| DRI | 1 | -0.387672 | 0.049897 | -7.77 |
| LOW | 1 | 0.131409 | 0.057244 | 2.30 |
| RL | 1 | 0.184345 | 0.045282 | 4.07 |
| SBUX | 1 | -0.203241 | 0.080618 | -2.52 |
| TSLA | 1 | 0.057288 | 0.013446 | 4.26 |

## VIF Calculation for Selected Model Based on PRESS

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 8 | 53718 | 6714.80954 | 355.28 | <.0001 |
| Error | 240 | 4536.02760 | 18.90011 | | |
| Corrected Total | 248 | 58255 | | | |

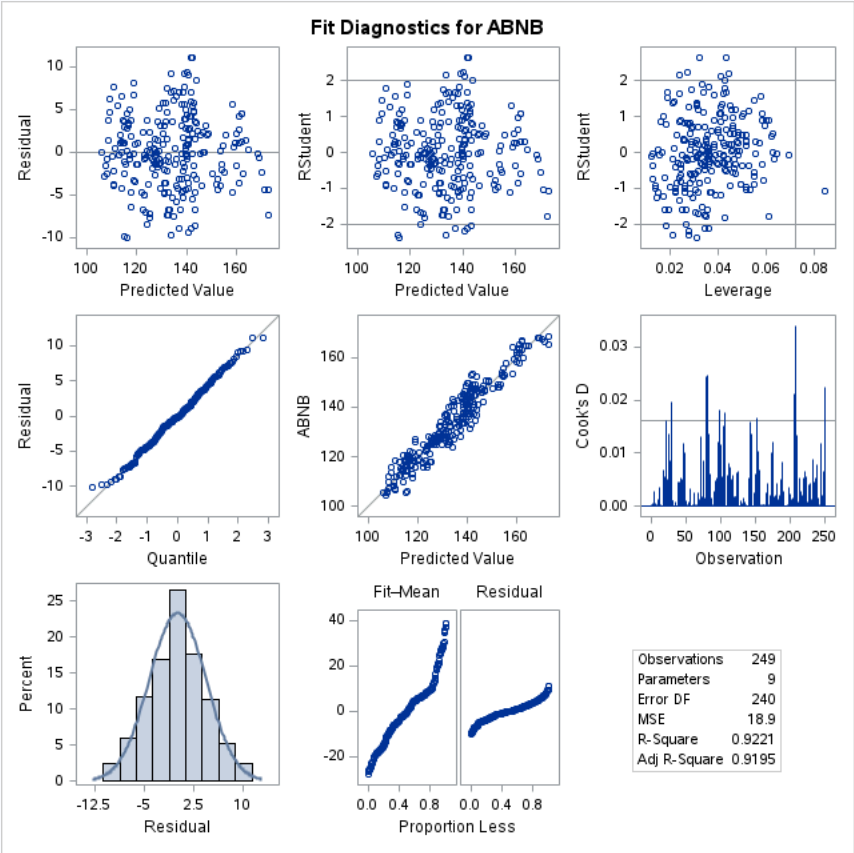
| | | | |
|---|---|---|---|
| Root MSE | 4.34743 | R-Square | 0.9221 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.9195 |
| Coeff Var | 3.24998 | | |

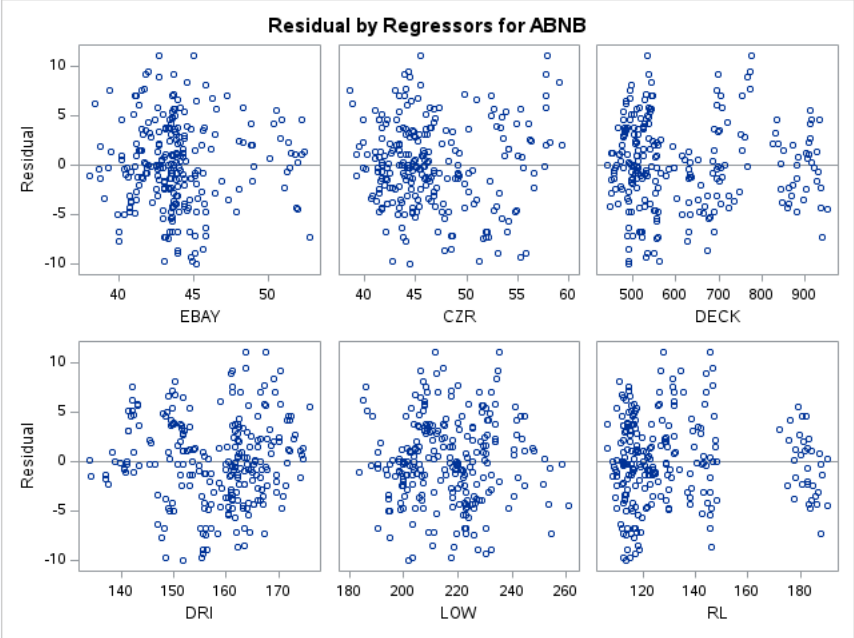
| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | 12.30406 | 10.13480 | 1.21 | 0.2259 | 0 |
| EBAY | EBAY | 1 | 0.90468 | 0.18109 | 5.00 | <.0001 | 3.60286 |
| CZR | CZR | 1 | 1.15882 | 0.13782 | 8.41 | <.0001 | 5.60622 |
| DECK | DECK | 1 | 0.07103 | 0.00654 | 10.86 | <.0001 | 11.83621 |
| DRI | DRI | 1 | -0.38767 | 0.04990 | -7.77 | <.0001 | 2.81470 |
| LOW | LOW | 1 | 0.13141 | 0.05724 | 2.30 | 0.0226 | 10.20232 |
| RL | RL | 1 | 0.18435 | 0.04528 | 4.07 | <.0001 | 14.59776 |
| SBUX | SBUX | 1 | -0.20324 | 0.08062 | -2.52 | 0.0124 | 2.44964 |
| TSLA | TSLA | 1 | 0.05729 | 0.01345 | 4.26 | <.0001 | 2.98406 |

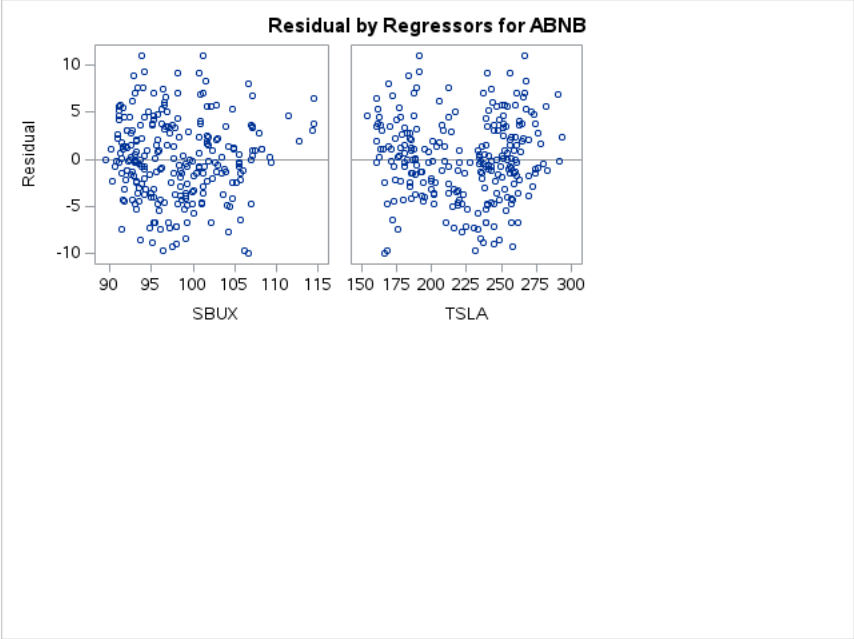
---

## VIF Calculation for Selected Model Based on PRESS

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**






## VIF Calculation for Selected Model Based on PRESS

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 5 | 38059 | 7611.87418 | 91.59 | <.0001 |
| Error | 243 | 20195 | 83.10754 | | |
| Corrected Total | 248 | 58255 | | | |

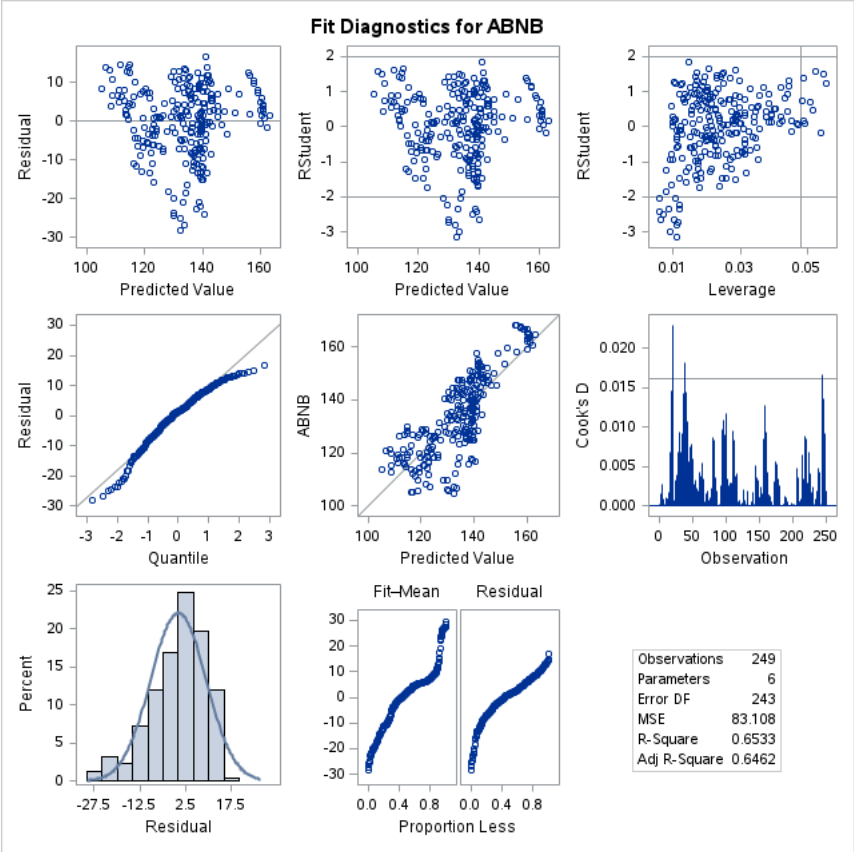
| | | | |
|---|---|---|---|
| Root MSE | 9.11633 | R-Square | 0.6533 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.6462 |
| Coeff Var | 6.81504 | | |

| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | 121.48383 | 18.67751 | 6.50 | <.0001 | 0 |

| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| EBAY | EBAY | 1 | 1.23638 | 0.25089 | 4.93 | <.0001 | 1.57275 |
| CZR | CZR | 1 | 0.71700 | 0.20349 | 3.52 | 0.0005 | 2.77953 |
| DRI | DRI | 1 | 0.58569 | 0.07487 | 7.82 | <.0001 | 1.44109 |
| SBUX | SBUX | 1 | -1.60867 | 0.12761 | -12.61 | <.0001 | 1.39577 |
| TSLA | TSLA | 1 | -0.04627 | 0.02691 | -1.72 | 0.0868 | 2.71728 |

## VIF Calculation for Selected Model Based on PRESS

The REG Procedure
Model: MODEL1
Dependent Variable: ABNB ABNB



## Main Effects Model

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

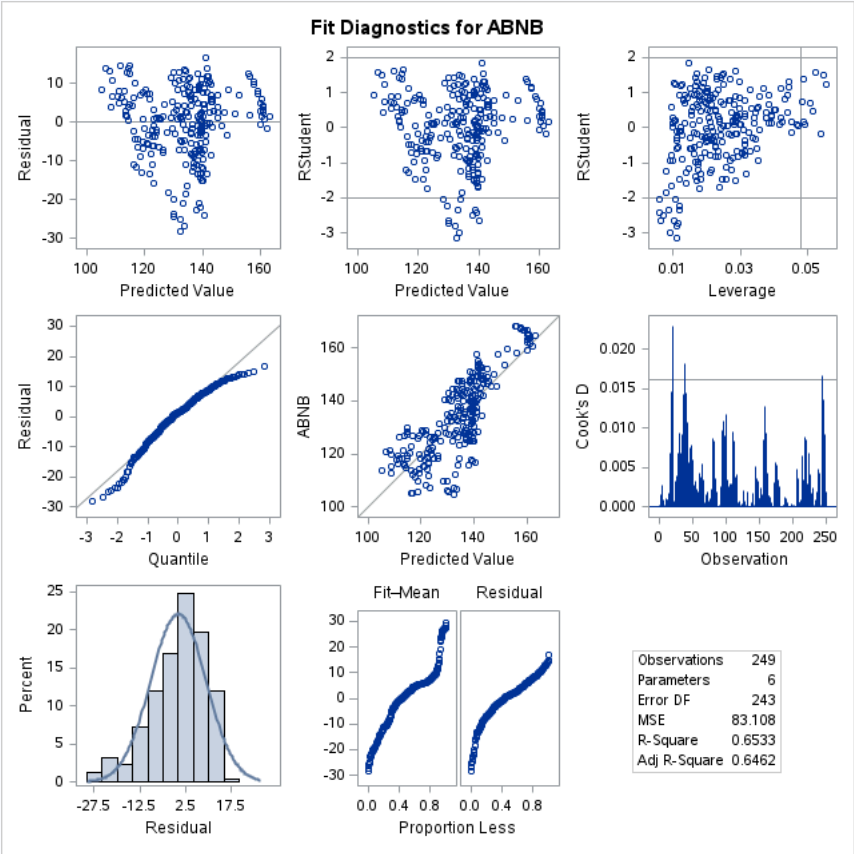
| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 5 | 38059 | 7611.87418 | 91.59 | <.0001 |
| Error | 243 | 20195 | 83.10754 | | |
| Corrected Total | 248 | 58255 | | | |

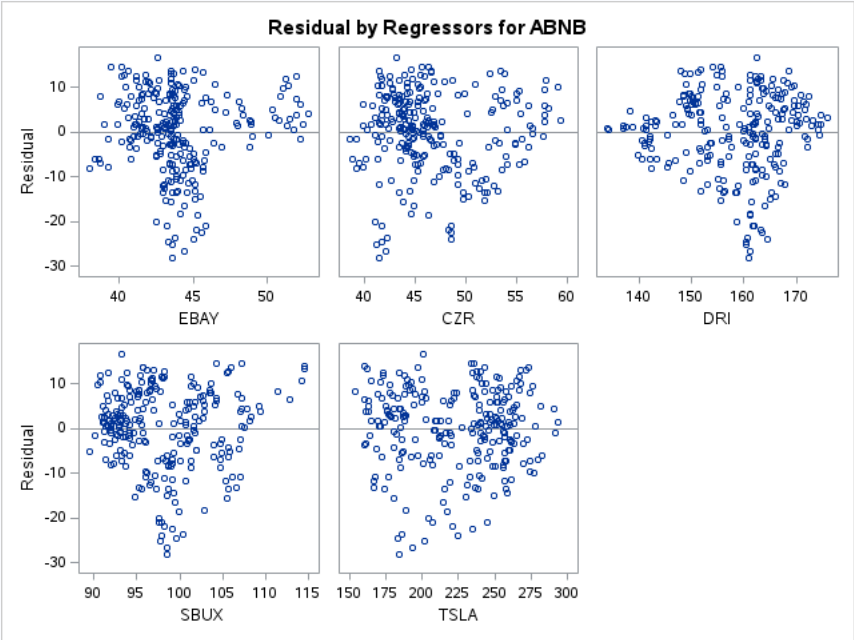
| | | | |
|---|---|---|---|
| Root MSE | 9.11633 | R-Square | 0.6533 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.6462 |
| Coeff Var | 6.81504 | | |

| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | 121.48383 | 18.67751 | 6.50 | <.0001 | 0 |
| EBAY | EBAY | 1 | 1.23638 | 0.25089 | 4.93 | <.0001 | 1.57275 |
| CZR | CZR | 1 | 0.71700 | 0.20349 | 3.52 | 0.0005 | 2.77953 |
| DRI | DRI | 1 | 0.58569 | 0.07487 | 7.82 | <.0001 | 1.44109 |
| SBUX | SBUX | 1 | -1.60867 | 0.12761 | -12.61 | <.0001 | 1.39577 |
| TSLA | TSLA | 1 | -0.04627 | 0.02691 | -1.72 | 0.0868 | 2.71728 |

## Main Effects Model

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**






## Model Building for Airbnb Stock Price with Interaction Terms

### The GLM Procedure

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

## Model Building for Airbnb Stock Price with Interaction Terms

### The GLM Procedure

### Dependent Variable: ABNB ABNB

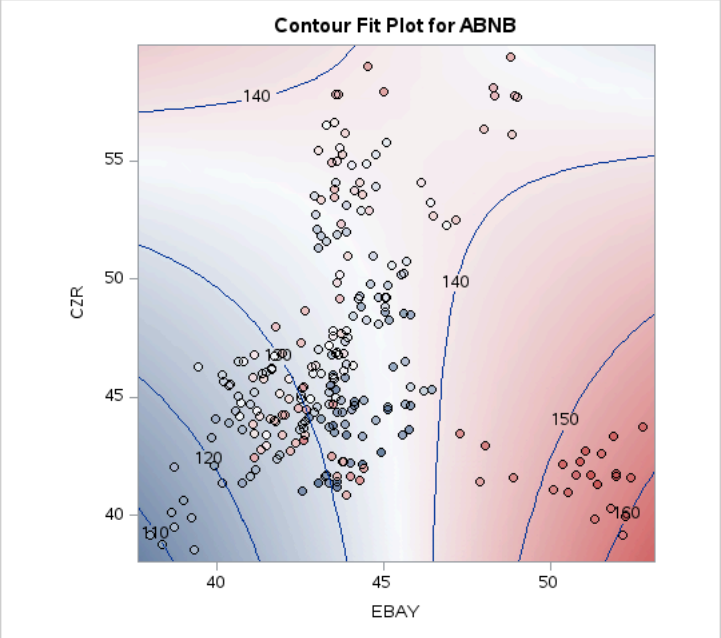
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| Model | 3 | 17480.12052 | 5826.70684 | 35.01 | <.0001 |
| Error | 245 | 40774.38337 | 166.42605 | | |
| Corrected Total | 248 | 58254.50388 | | | |

| R-Square | Coeff Var | Root MSE | ABNB Mean |
|---|---|---|---|
| 0.300065 | 9.644042 | 12.90062 | 133.7678 |

| Source | DF | Type I SS | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| EBAY | 1 | 15492.19903 | 15492.19903 | 93.09 | <.0001 |
| CZR | 1 | 242.63166 | 242.63166 | 1.46 | 0.2284 |
| EBAY*CZR | 1 | 1745.28982 | 1745.28982 | 10.49 | 0.0014 |

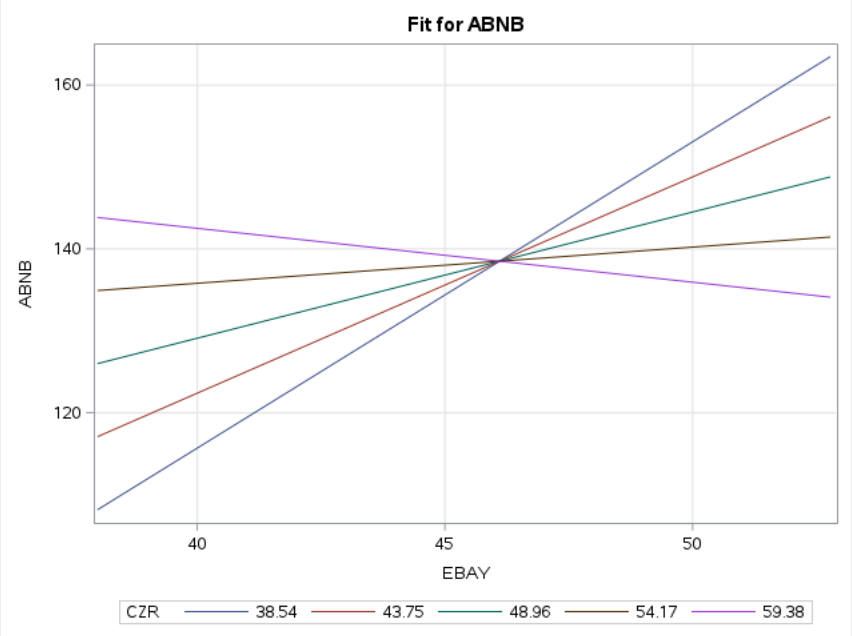
| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|---|---|---|---|---|---|
| EBAY | 1 | 2891.227454 | 2891.227454 | 17.37 | <.0001 |
| CZR | 1 | 1816.729339 | 1816.729339 | 10.92 | 0.0011 |
| EBAY*CZR | 1 | 1745.289824 | 1745.289824 | 10.49 | 0.0014 |

| Parameter | Estimate | Standard Error | t Value | Pr > \|t\| |
|---|---|---|---|---|
| Intercept | -408.7956092 | 128.7502529 | -3.18 | 0.0017 |
| EBAY | 11.8711080 | 2.8481364 | 4.17 | <.0001 |
| CZR | 9.7274167 | 2.9441712 | 3.30 | 0.0011 |
| EBAY*CZR | -0.2109949 | 0.0651552 | -3.24 | 0.0014 |




## Model Building for Airbnb Stock Price with Interaction Terms

The PLM Procedure




## Model with Interaction Terms

The REG Procedure
Model: MODEL1
Dependent Variable: ABNB ABNB

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

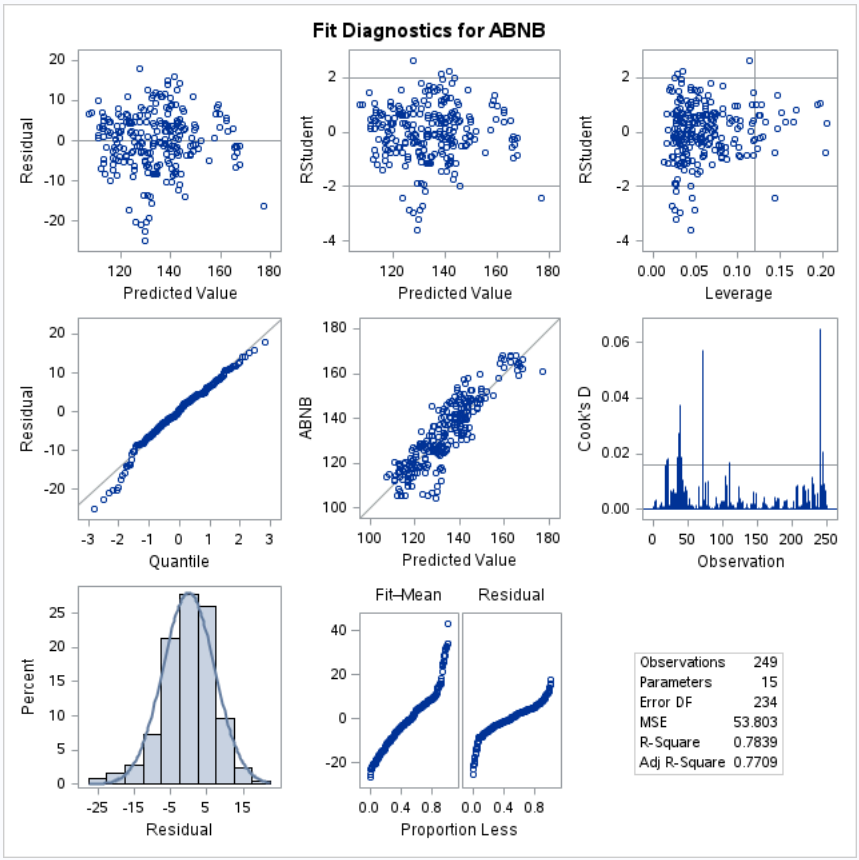
| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 14 | 45665 | 3261.75215 | 60.62 | <.0001 |
| Error | 234 | 12590 | 53.80331 | | |
| Corrected Total | 248 | 58255 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 7.33507 | R-Square | 0.7839 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.7709 |
| Coeff Var | 5.48344 | | |

| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | -2420.50867 | 362.92633 | -6.67 | <.0001 | 0 |
| EBAY | EBAY | 1 | 34.37061 | 8.30403 | 4.14 | <.0001 | 2661.25756 |
| CZR | CZR | 1 | -49.60857 | 6.23496 | -7.96 | <.0001 | 4030.83296 |
| DRI | DRI | 1 | 22.01339 | 2.63764 | 8.35 | <.0001 | 2762.96605 |
| SBUX | SBUX | 1 | 16.83495 | 3.80333 | 4.43 | <.0001 | 1915.22365 |
| TSLA | TSLA | 1 | 3.71894 | 0.79964 | 4.65 | <.0001 | 3707.59148 |
| ebay_czr | | 1 | 0.36411 | 0.08674 | 4.20 | <.0001 | 2345.09027 |
| ebay_dri | | 1 | -0.14851 | 0.03024 | -4.91 | <.0001 | 2494.61791 |
| ebay_sbux | | 1 | -0.18866 | 0.07391 | -2.55 | 0.0113 | 3025.99527 |
| ebay_tsla | | 1 | -0.04170 | 0.01265 | -3.30 | 0.0011 | 1892.90778 |
| czr_sbux | | 1 | 0.28871 | 0.05386 | 5.36 | <.0001 | 4343.42759 |
| czr_tsla | | 1 | 0.02624 | 0.00554 | 4.73 | <.0001 | 902.80343 |
| dri_sbux | | 1 | -0.13014 | 0.02056 | -6.33 | <.0001 | 2614.31923 |
| dri_tsla | | 1 | -0.01069 | 0.00248 | -4.31 | <.0001 | 1007.85543 |
| sbux_tsla | | 1 | -0.01370 | 0.00590 | -2.32 | 0.0210 | 1985.41647 |

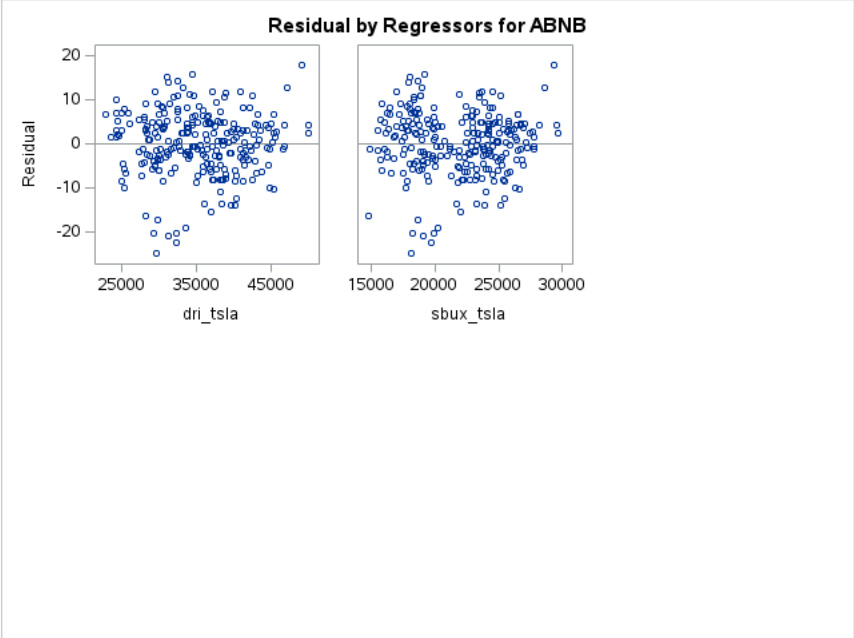
## Model with Interaction Terms

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**



Residual by Regressors for ABNB
Residual
EBAY
CZR
DRI
SBUX
TSLA
ebay_czr

Residual by Regressors for ABNB
Residual
ebay_dri
ebay_sbux
ebay_tsla
czr_sbux
czr_tsla
dri_sbux




## Model with Interaction Terms

**The REG Procedure**
**Model: MODEL1**

| Test 1 Results for Dependent Variable ABNB | | | | |
|---|---|---|---|---|
| Source | DF | Mean Square | F Value | Pr > F |
| Numerator | 9 | 845.01768 | 15.71 | <.0001 |
| Denominator | 234 | 53.80331 | | |

## Model with Quadratic Terms

**The REG Procedure**
**Model: MODEL1**
**Dependent Variable: ABNB ABNB**

| | |
|---|---|
| Number of Observations Read | 249 |
| Number of Observations Used | 249 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 10 | 42779 | 4277.87582 | 65.79 | <.0001 |
| Error | 238 | 15476 | 65.02414 | | |
| Corrected Total | 248 | 58255 | | | |

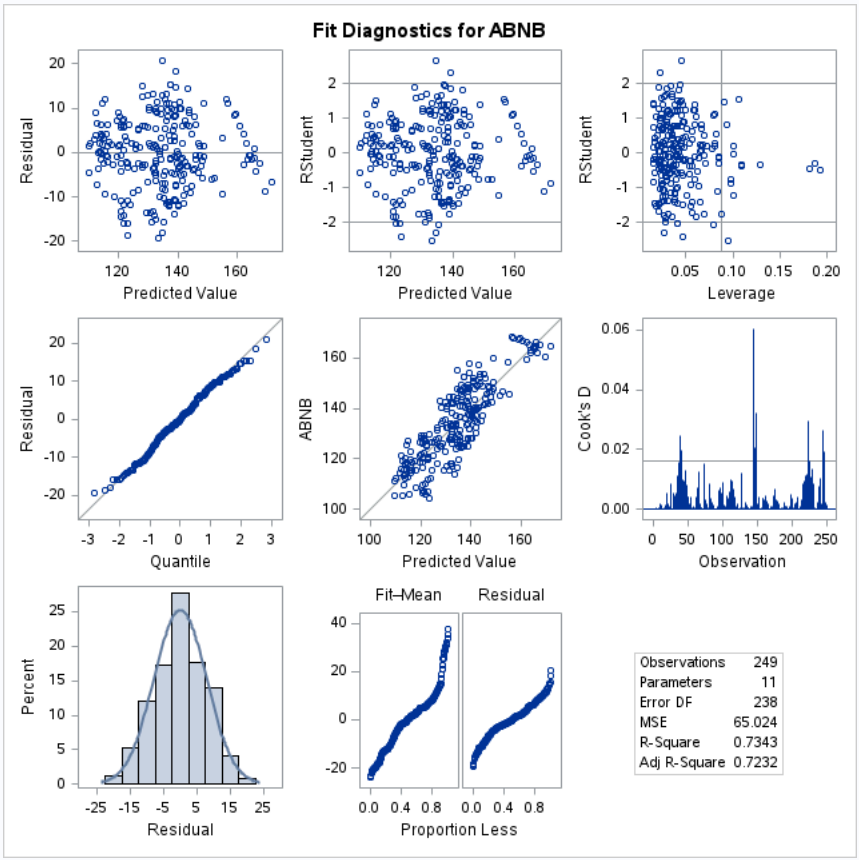
| | | | |
|---|---|---|---|
| Root MSE | 8.06375 | R-Square | 0.7343 |
| Dependent Mean | 133.76779 | Adj R-Sq | 0.7232 |
| Coeff Var | 6.02817 | | |

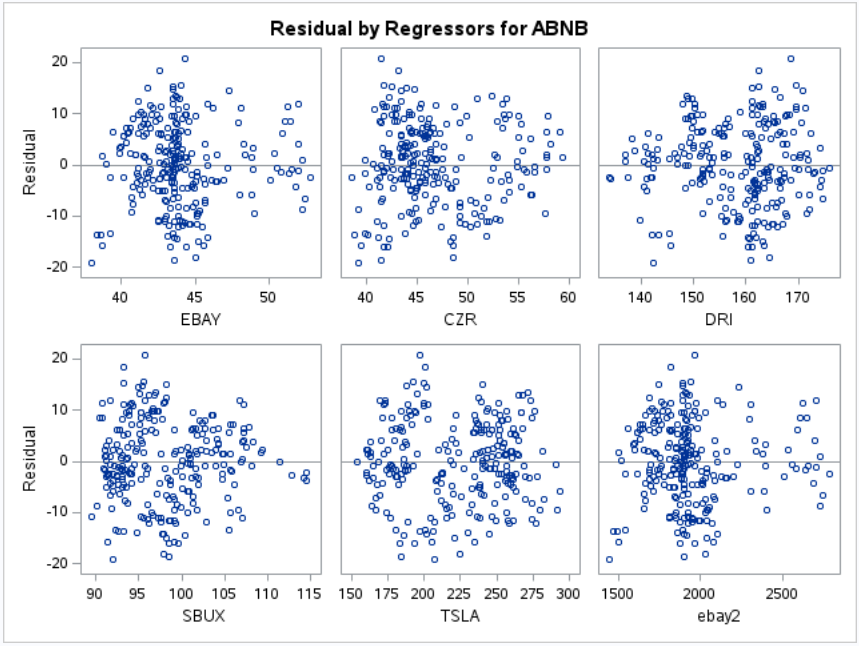
| Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| | Variance Inflation |
| Intercept | Intercept | 1 | 2025.06096 | 261.58764 | 7.74 | <.0001 | 0 |
| EBAY | EBAY | 1 | -24.63809 | 5.08050 | -4.85 | <.0001 | 824.24396 |
| CZR | CZR | 1 | 4.75735 | 2.87375 | 1.66 | 0.0992 | 708.53195 |
| DRI | DRI | 1 | -3.08803 | 2.52255 | -1.22 | 0.2221 | 2091.01990 |
| SBUX | SBUX | 1 | -23.04304 | 4.32332 | -5.33 | <.0001 | 2047.67180 |
| TSLA | TSLA | 1 | -0.74360 | 0.30940 | -2.40 | 0.0170 | 459.28796 |
| ebay2 | | 1 | 0.27163 | 0.05541 | 4.90 | <.0001 | 814.75088 |
| czr2 | | 1 | -0.03550 | 0.02854 | -1.24 | 0.2147 | 661.07810 |
| dri2 | | 1 | 0.01252 | 0.00813 | 1.54 | 0.1252 | 2119.15480 |
| sbux2 | | 1 | 0.10766 | 0.02169 | 4.96 | <.0001 | 2059.12477 |
| tsla2 | | 1 | 0.00161 | 0.00068238 | 2.36 | 0.0188 | 432.69134 |

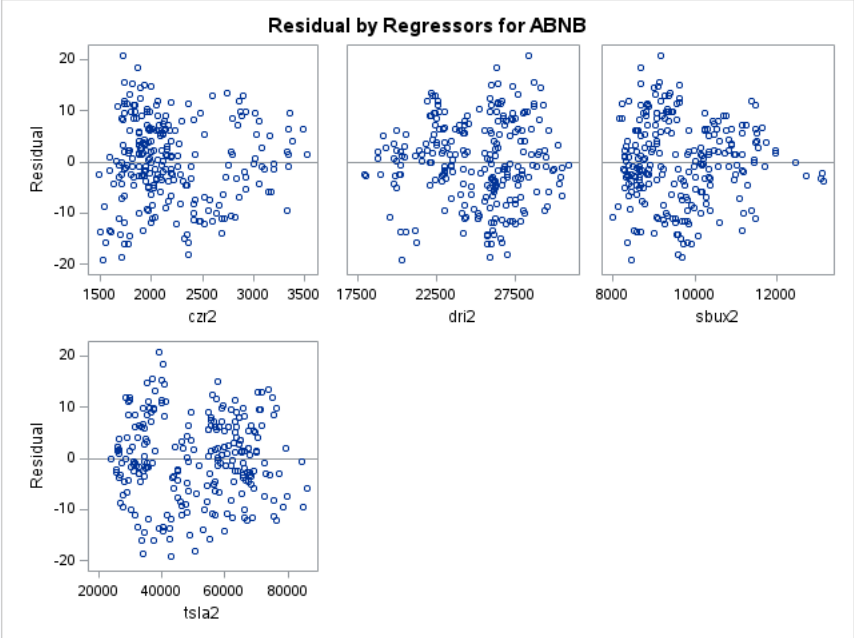
## Model with Quadratic Terms

**The REG Procedure**
**Model: MODEL1**

Dependent Variable: ABNB ABNB






## Model with Quadratic Terms

**The REG Procedure**
**Model: MODEL1**

| Test 1 Results for Dependent Variable ABNB | | | | |
|---|---|---|---|---|
| Source | DF | Mean Square | F Value | Pr > F |
| Numerator | 5 | 943.87745 | 14.52 | <.0001 |
| Denominator | 238 | 65.02414 | | |