SHEET1

**Best Subsets Regression: CPI versus Unemployment Rate, Cargo Volume, Wheat Market Price, Time\_1, Time\_2, delta CPI\_Lag1, delta CPI\_Lag12**

**Response is CPI**

36 cases used, 12 cases contain missing values

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Vars** | **R-Sq** | | | **R-Sq (adj)** | | | | **PRESS** | | | **R-Sq (pred)** | **Mallows Cp** | **S** | **AICc** | **BIC** | **Cond No** | **U n e m p l o y m e n t  R a t e** |
| 1 | 50.6 | | | 49.1 | | | | 43.9 | | | 32.0 | 130.8 | 0.96928 | 104.609 | 108.610 | 1.000 |  |
| 1 | 46.1 | | | 44.5 | | | | 40.6 | | | 37.2 | 145.4 | 1.0118 | 107.698 | 111.699 | 1.000 |  |
| 2 | 70.4 | | | 68.6 | | | | 27.3 | | | 57.7 | 67.5 | 0.76152 | 88.706 | 93.750 | 2.198 |  |
| 2 | 64.7 | | | 62.6 | | | | 26.6 | | | 58.9 | 86.1 | 0.83084 | 94.978 | 100.022 | 1.140 | X |
| 3 | 86.5 | | | 85.2 | | | | 11.4 | | | 82.4 | 16.6 | 0.52280 | 63.227 | 69.145 | 182.550 |  |
| 3 | 77.3 | | | 75.1 | | | | 22.5 | | | 65.2 | 46.8 | 0.67724 | 81.863 | 87.781 | 2.237 |  |
| 4 | 89.6 | | | 88.2 | | | | 9.3 | | | 85.7 | 8.4 | 0.46629 | 56.745 | 63.350 | 285.689 |  |
| 4 | 87.9 | | | 86.4 | | | | 11.4 | | | 82.4 | 13.7 | 0.50150 | 61.987 | 68.591 | 318.512 | X |
| 5 | 90.9 | | | 89.4 | | | | 9.7 | | | 85.0 | 6.1 | 0.44333 | 55.033 | 62.117 | 413.011 | X |
| 5 | 90.0 | | | 88.3 | | | | 9.4 | | | 85.5 | 9.0 | 0.46478 | 58.434 | 65.518 | 431.525 |  |
| 6 | 91.4 | | | 89.6 | | | | 9.3 | | | 85.5 | 6.3 | 0.43735 | 56.167 | 63.502 | 588.214 | X |
| 6 | 91.1 | | | 89.2 | | | | 13.0 | | | 79.8 | 7.4 | 0.44634 | 57.633 | 64.968 | 617.419 | X |
| 7 | 91.5 | | | 89.4 | | | | 12.7 | | | 80.3 | 8.0 | 0.44295 | 59.410 | 66.738 | 793.443 | X |
| **Vars** | | **C a r g o  V o l u m e** | **W h e a t  M a r k e t  P r i c e** | | **T i m e \_ 1** | **T i m e \_ 2** | **d e l t a  C P I \_ L a g 1** | | **d e l t a  C P I \_ L a g 1 2** |
| 1 | | X |  | |  |  |  | |  |
| 1 | |  |  | |  |  | X | |  |
| 2 | | X |  | |  |  | X | |  |
| 2 | |  |  | |  |  |  | | X |
| 3 | |  |  | | X | X |  | | X |
| 3 | | X |  | | X |  | X | |  |
| 4 | | X |  | | X | X |  | | X |
| 4 | |  |  | | X | X |  | | X |
| 5 | | X |  | | X | X |  | | X |
| 5 | | X |  | | X | X | X | | X |
| 6 | | X |  | | X | X | X | | X |
| 6 | | X | X | | X | X |  | | X |
| 7 | | X | X | | X | X | X | | X |

SHEET1

**Regression Analysis: CPI versus Unemployment Rate, Cargo Volume, Time\_1, Time\_2, delta CPI\_Lag12**

**Method**

|  |  |
| --- | --- |
| Rows unused | 12 |

**Regression Equation**

|  |  |  |
| --- | --- | --- |
| CPI | = | 104.78 + 0.593 Unemployment Rate - 0.01917 Cargo Volume - 0.4108 Time\_1 + 0.00614 Time\_2 - 0.6602 delta CPI\_Lag12 |

**Coefficients**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term** | **Coef** | **SE Coef** | **T-Value** | **P-Value** | **VIF** |
| Constant | 104.78 | 2.26 | 46.42 | 0.000 |  |
| Unemployment Rate | 0.593 | 0.286 | 2.07 | 0.047 | 1.74 |
| Cargo Volume | -0.01917 | 0.00616 | -3.11 | 0.004 | 1.82 |
| Time\_1 | -0.4108 | 0.0705 | -5.82 | 0.000 | 98.37 |
| Time\_2 | 0.00614 | 0.00114 | 5.38 | 0.000 | 98.15 |
| delta CPI\_Lag12 | -0.6602 | 0.0878 | -7.52 | 0.000 | 1.27 |

**Model Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R-sq** | **R-sq(adj)** | **R-sq(pred)** |
| 0.443332 | 90.87% | 89.35% | 84.99% |

**Analysis of Variance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Adj SS** | **Adj MS** | **F-Value** | **P-Value** |
| Regression | 5 | 58.7026 | 11.7405 | 59.74 | 0.000 |
| Unemployment Rate | 1 | 0.8440 | 0.8440 | 4.29 | 0.047 |
| Cargo Volume | 1 | 1.9004 | 1.9004 | 9.67 | 0.004 |
| Time\_1 | 1 | 6.6663 | 6.6663 | 33.92 | 0.000 |
| Time\_2 | 1 | 5.6784 | 5.6784 | 28.89 | 0.000 |
| delta CPI\_Lag12 | 1 | 11.1125 | 11.1125 | 56.54 | 0.000 |
| Error | 30 | 5.8963 | 0.1965 |  |  |
| Total | 35 | 64.5989 |  |  |  |

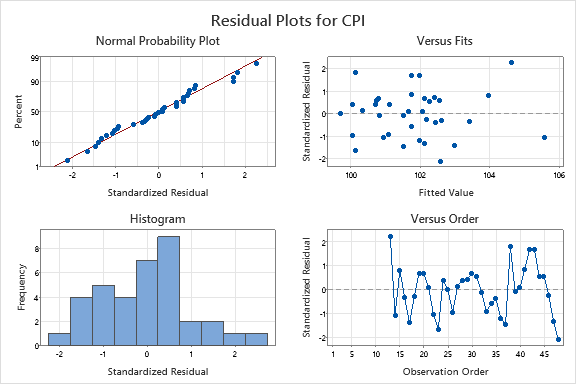
**Fits and Diagnostics for Unusual Observations**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Obs** | **CPI** | **Fit** | **Resid** | **Std Resid** |  |  |
| 13 | 105.400 | 104.632 | 0.768 | 2.25 | R |  |
| 26 | 99.800 | 100.038 | -0.238 | -0.95 |  | X |
| 48 | 101.800 | 102.586 | -0.786 | -2.10 | R |  |

*R  Large residual  
X  Unusual X*

**Durbin-Watson Statistic**

|  |  |
| --- | --- |
| Durbin-Watson Statistic = | 1.27764 |

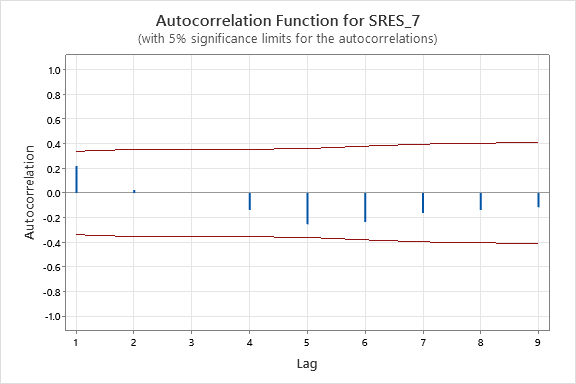


SHEET1

**Autocorrelation Function: SRES\_7**

**Autocorrelations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Lag** | **ACF** | **T** | **LBQ** |
| 1 | 0.219949 | 1.32 | 1.89 |
| 2 | 0.024320 | 0.14 | 1.91 |
| 3 | 0.000284 | 0.00 | 1.91 |
| 4 | -0.137276 | -0.79 | 2.72 |
| 5 | -0.253142 | -1.43 | 5.55 |
| 6 | -0.236235 | -1.26 | 8.09 |
| 7 | -0.162896 | -0.83 | 9.34 |
| 8 | -0.137626 | -0.69 | 10.27 |
| 9 | -0.115901 | -0.57 | 10.95 |



SHEET1

**Runs Test: SRES\_7**

**Descriptive Statistics**

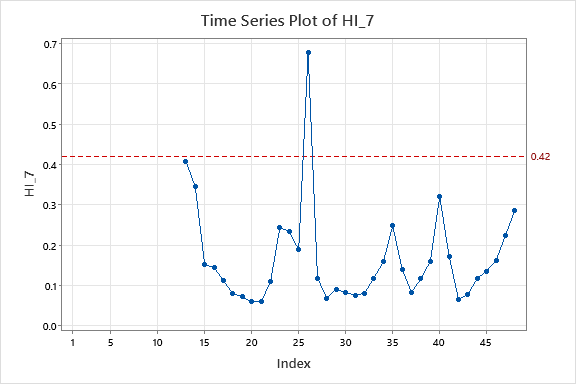
|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Number of Observations** | |
|  |  |
| **N** | **K** | **≤ K** | **> K** |
| 36 | 0 | 17 | 19 |

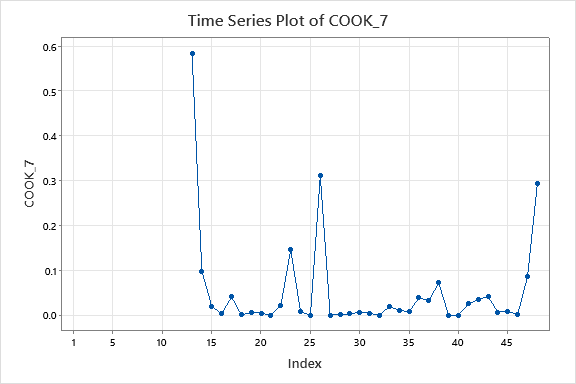
**Test**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Null hypothesis | | H₀: The order of the data is random | | |
| Alternative hypothesis | | H₁: The order of the data is not random | | |
| **Number of Runs** | | |  |
| **Observed** | **Expected** | | **P-Value** |
| 14 | 18.94 | | 0.093 |

SHEET1

**Time Series Plot of HI\_7, COOK\_7**





COPY FROM SHEET1(W2)

**Best Subsets Regression: CPI versus Unemployment Rate, Cargo Volume, Wheat Market Price, Time\_1, Time\_2, delta CPI\_Lag1, delta CPI\_Lag12**

**Response is CPI**

36 cases used, 12 cases contain missing values

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Vars** | **R-Sq** | | | **R-Sq (adj)** | | | | **PRESS** | | | **R-Sq (pred)** | **Mallows Cp** | **S** | **AICc** | **BIC** | **Cond No** | **U n e m p l o y m e n t  R a t e** |
| 1 | 47.9 | | | 46.4 | | | | 46.8 | | | 26.3 | 138.4 | 0.98647 | 105.875 | 109.876 | 1.000 |  |
| 1 | 46.5 | | | 44.9 | | | | 39.7 | | | 37.5 | 143.1 | 0.99974 | 106.837 | 110.838 | 1.000 |  |
| 2 | 68.7 | | | 66.8 | | | | 29.5 | | | 53.5 | 72.5 | 0.77657 | 90.115 | 95.159 | 2.198 |  |
| 2 | 65.8 | | | 63.7 | | | | 25.4 | | | 59.9 | 81.9 | 0.81146 | 93.279 | 98.323 | 1.140 | X |
| 3 | 87.2 | | | 86.0 | | | | 10.7 | | | 83.2 | 13.9 | 0.50410 | 60.605 | 66.523 | 182.550 |  |
| 3 | 76.1 | | | 73.8 | | | | 22.8 | | | 64.1 | 50.3 | 0.68909 | 83.111 | 89.029 | 2.733 | X |
| 4 | 89.4 | | | 88.0 | | | | 9.2 | | | 85.5 | 8.6 | 0.46578 | 56.666 | 63.270 | 285.689 |  |
| 4 | 88.8 | | | 87.4 | | | | 10.6 | | | 83.3 | 10.6 | 0.47845 | 58.598 | 65.203 | 318.512 | X |
| 5 | 90.9 | | | 89.4 | | | | 9.3 | | | 85.4 | 5.8 | 0.43903 | 54.330 | 61.415 | 413.011 | X |
| 5 | 89.7 | | | 88.0 | | | | 12.4 | | | 80.4 | 9.5 | 0.46575 | 58.585 | 65.669 | 474.934 |  |
| 6 | 91.4 | | | 89.6 | | | | 9.2 | | | 85.5 | 6.2 | 0.43477 | 55.741 | 63.076 | 588.214 | X |
| 6 | 91.1 | | | 89.2 | | | | 12.5 | | | 80.3 | 7.3 | 0.44252 | 57.014 | 64.349 | 617.419 | X |
| 7 | 91.4 | | | 89.3 | | | | 12.4 | | | 80.4 | 8.0 | 0.44058 | 59.024 | 66.353 | 793.443 | X |
| **Vars** | | **C a r g o  V o l u m e** | **W h e a t  M a r k e t  P r i c e** | | **T i m e \_ 1** | **T i m e \_ 2** | **d e l t a  C P I \_ L a g 1** | | **d e l t a  C P I \_ L a g 1 2** |
| 1 | | X |  | |  |  |  | |  |
| 1 | |  |  | |  |  | X | |  |
| 2 | | X |  | |  |  | X | |  |
| 2 | |  |  | |  |  |  | | X |
| 3 | |  |  | | X | X |  | | X |
| 3 | | X |  | |  |  | X | |  |
| 4 | | X |  | | X | X |  | | X |
| 4 | |  |  | | X | X |  | | X |
| 5 | | X |  | | X | X |  | | X |
| 5 | | X | X | | X | X |  | | X |
| 6 | | X |  | | X | X | X | | X |
| 6 | | X | X | | X | X |  | | X |
| 7 | | X | X | | X | X | X | | X |

COPY FROM SHEET1(W2)

**Regression Analysis: CPI versus Unemployment Rate, Cargo Volume, Time\_1, Time\_2, delta CPI\_Lag12**

**Method**

|  |  |
| --- | --- |
| Rows unused | 12 |

**Regression Equation**

|  |  |  |
| --- | --- | --- |
| CPI | = | 104.71 + 0.627 Unemployment Rate - 0.01594 Cargo Volume - 0.4194 Time\_1 + 0.00628 Time\_2 - 0.6785 delta CPI\_Lag12 |

**Coefficients**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term** | **Coef** | **SE Coef** | **T-Value** | **P-Value** | **VIF** |
| Constant | 104.71 | 2.24 | 46.84 | 0.000 |  |
| Unemployment Rate | 0.627 | 0.283 | 2.21 | 0.035 | 1.74 |
| Cargo Volume | -0.01594 | 0.00610 | -2.61 | 0.014 | 1.82 |
| Time\_1 | -0.4194 | 0.0699 | -6.00 | 0.000 | 98.37 |
| Time\_2 | 0.00628 | 0.00113 | 5.55 | 0.000 | 98.15 |
| delta CPI\_Lag12 | -0.6785 | 0.0869 | -7.80 | 0.000 | 1.27 |

**Model Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R-sq** | **R-sq(adj)** | **R-sq(pred)** |
| 0.439029 | 90.89% | 89.37% | 85.40% |

**Analysis of Variance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Adj SS** | **Adj MS** | **F-Value** | **P-Value** |
| Regression | 5 | 57.7073 | 11.5415 | 59.88 | 0.000 |
| Unemployment Rate | 1 | 0.9430 | 0.9430 | 4.89 | 0.035 |
| Cargo Volume | 1 | 1.3139 | 1.3139 | 6.82 | 0.014 |
| Time\_1 | 1 | 6.9465 | 6.9465 | 36.04 | 0.000 |
| Time\_2 | 1 | 5.9397 | 5.9397 | 30.82 | 0.000 |
| delta CPI\_Lag12 | 1 | 11.7397 | 11.7397 | 60.91 | 0.000 |
| Error | 30 | 5.7824 | 0.1927 |  |  |
| Total | 35 | 63.4897 |  |  |  |

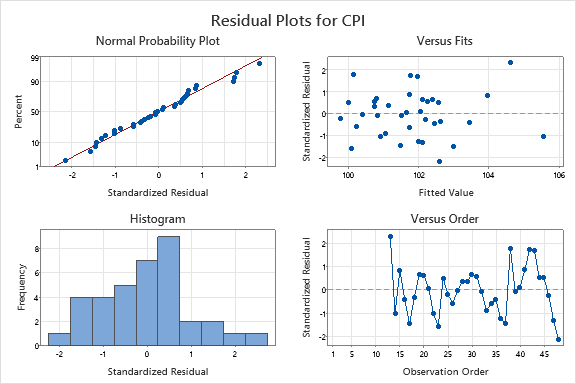
**Fits and Diagnostics for Unusual Observations**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Obs** | **CPI** | **Fit** | **Resid** | **Std Resid** |  |  |
| 13 | 105.400 | 104.614 | 0.786 | 2.33 | R |  |
| 26 | 100.100 | 100.241 | -0.141 | -0.57 |  | X |
| 48 | 101.800 | 102.592 | -0.792 | -2.14 | R |  |

*R  Large residual  
X  Unusual X*

**Durbin-Watson Statistic**

|  |  |
| --- | --- |
| Durbin-Watson Statistic = | 1.25780 |

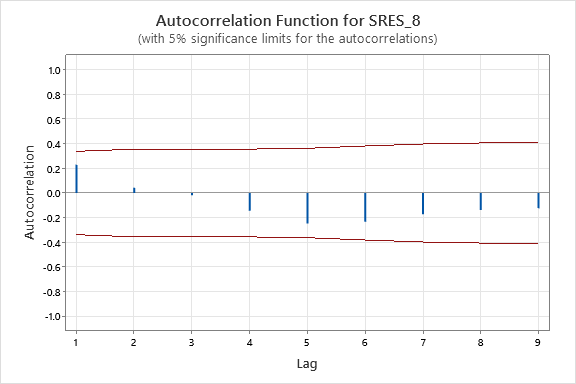


COPY FROM SHEET1(W2)

**Autocorrelation Function: SRES\_8**

**Autocorrelations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Lag** | **ACF** | **T** | **LBQ** |
| 1 | 0.228361 | 1.37 | 2.04 |
| 2 | 0.043412 | 0.25 | 2.11 |
| 3 | -0.019130 | -0.11 | 2.13 |
| 4 | -0.143434 | -0.82 | 3.01 |
| 5 | -0.247338 | -1.38 | 5.71 |
| 6 | -0.233758 | -1.24 | 8.20 |
| 7 | -0.171475 | -0.88 | 9.59 |
| 8 | -0.138615 | -0.69 | 10.53 |
| 9 | -0.124478 | -0.61 | 11.31 |



COPY FROM SHEET1(W2)

**Runs Test: SRES\_8**

**Descriptive Statistics**

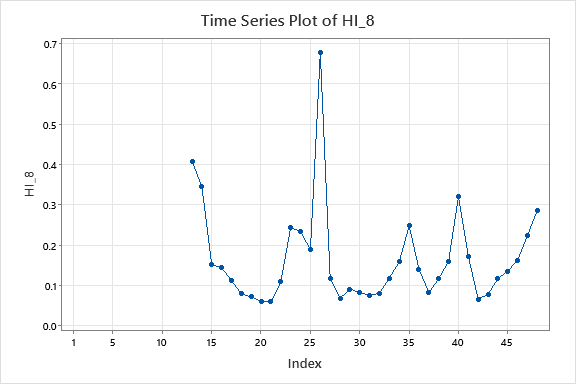
|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Number of Observations** | |
|  |  |
| **N** | **K** | **≤ K** | **> K** |
| 36 | 0 | 19 | 17 |

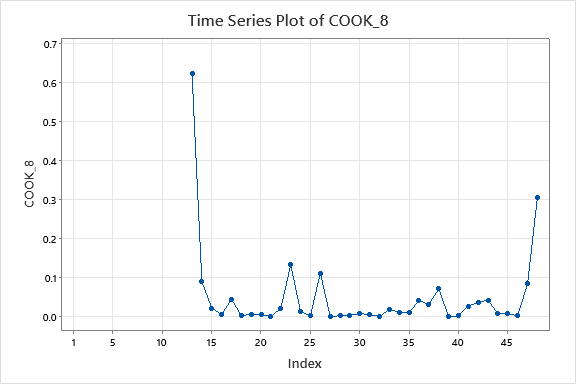
**Test**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Null hypothesis | | H₀: The order of the data is random | | |
| Alternative hypothesis | | H₁: The order of the data is not random | | |
| **Number of Runs** | | |  |
| **Observed** | **Expected** | | **P-Value** |
| 14 | 18.94 | | 0.093 |

COPY FROM SHEET1(W2)

**Time Series Plot of HI\_8, COOK\_8**





COPY FROM SHEET1(W2)

**Best Subsets Regression: CPI versus Unemployment Rate, Cargo Volume, Wheat Market Price, Time\_1, Time\_2, delta CPI\_Lag1, delta CPI\_Lag12**

**Response is CPI**

36 cases used, 12 cases contain missing values

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Vars** | **R-Sq** | | | **R-Sq (adj)** | | | | **PRESS** | | | **R-Sq (pred)** | **Mallows Cp** | **S** | **AICc** | **BIC** | **Cond No** | **U n e m p l o y m e n t  R a t e** |
| 1 | 48.6 | | | 47.1 | | | | 43.7 | | | 27.3 | 147.9 | 0.95366 | 103.439 | 107.440 | 1.000 |  |
| 1 | 45.6 | | | 44.0 | | | | 37.8 | | | 37.1 | 158.4 | 0.98104 | 105.478 | 109.478 | 1.000 |  |
| 2 | 68.5 | | | 66.6 | | | | 27.8 | | | 53.8 | 80.1 | 0.75732 | 88.307 | 93.351 | 2.198 |  |
| 2 | 68.5 | | | 66.6 | | | | 22.2 | | | 63.0 | 80.2 | 0.75753 | 88.328 | 93.372 | 1.140 | X |
| 3 | 86.8 | | | 85.6 | | | | 10.3 | | | 82.8 | 18.2 | 0.49817 | 59.753 | 65.671 | 182.550 |  |
| 3 | 77.4 | | | 75.3 | | | | 16.9 | | | 71.9 | 51.0 | 0.65147 | 79.070 | 84.987 | 3.347 | X |
| 4 | 89.3 | | | 87.9 | | | | 9.0 | | | 85.0 | 11.6 | 0.45658 | 55.229 | 61.833 | 318.512 | X |
| 4 | 89.2 | | | 87.8 | | | | 8.8 | | | 85.3 | 11.9 | 0.45833 | 55.505 | 62.109 | 285.689 |  |
| 5 | 91.4 | | | 90.0 | | | | 7.8 | | | 87.0 | 5.9 | 0.41409 | 50.120 | 57.205 | 413.011 | X |
| 5 | 89.8 | | | 88.0 | | | | 11.9 | | | 80.2 | 11.8 | 0.45319 | 56.616 | 63.700 | 474.934 |  |
| 6 | 91.8 | | | 90.1 | | | | 7.8 | | | 87.1 | 6.6 | 0.41198 | 51.864 | 59.199 | 588.214 | X |
| 6 | 91.7 | | | 90.0 | | | | 10.7 | | | 82.2 | 6.9 | 0.41396 | 52.210 | 59.545 | 617.419 | X |
| 7 | 92.0 | | | 90.0 | | | | 10.7 | | | 82.2 | 8.0 | 0.41461 | 54.649 | 61.978 | 793.443 | X |
| **Vars** | | **C a r g o  V o l u m e** | **W h e a t  M a r k e t  P r i c e** | | **T i m e \_ 1** | **T i m e \_ 2** | **d e l t a  C P I \_ L a g 1** | | **d e l t a  C P I \_ L a g 1 2** |
| 1 | | X |  | |  |  |  | |  |
| 1 | |  |  | |  |  | X | |  |
| 2 | | X |  | |  |  | X | |  |
| 2 | |  |  | |  |  |  | | X |
| 3 | |  |  | | X | X |  | | X |
| 3 | | X |  | |  |  |  | | X |
| 4 | |  |  | | X | X |  | | X |
| 4 | | X |  | | X | X |  | | X |
| 5 | | X |  | | X | X |  | | X |
| 5 | | X | X | | X | X |  | | X |
| 6 | | X |  | | X | X | X | | X |
| 6 | | X | X | | X | X |  | | X |
| 7 | | X | X | | X | X | X | | X |

COPY FROM SHEET1(W2)

**Regression Analysis: CPI versus Unemployment Rate, Cargo Volume, Time\_1, Time\_2, delta CPI\_Lag12**

**Method**

|  |  |
| --- | --- |
| Rows unused | 12 |

**Regression Equation**

|  |  |  |
| --- | --- | --- |
| CPI | = | 103.44 + 0.755 Unemployment Rate - 0.01596 Cargo Volume - 0.3819 Time\_1 + 0.00571 Time\_2 - 0.6707 delta CPI\_Lag12 |

**Coefficients**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term** | **Coef** | **SE Coef** | **T-Value** | **P-Value** | **VIF** |
| Constant | 103.44 | 2.11 | 49.06 | 0.000 |  |
| Unemployment Rate | 0.755 | 0.267 | 2.82 | 0.008 | 1.74 |
| Cargo Volume | -0.01596 | 0.00576 | -2.77 | 0.009 | 1.82 |
| Time\_1 | -0.3819 | 0.0659 | -5.80 | 0.000 | 98.37 |
| Time\_2 | 0.00571 | 0.00107 | 5.36 | 0.000 | 98.15 |
| delta CPI\_Lag12 | -0.6707 | 0.0820 | -8.18 | 0.000 | 1.27 |

**Model Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R-sq** | **R-sq(adj)** | **R-sq(pred)** |
| 0.414092 | 91.45% | 90.02% | 87.04% |

**Analysis of Variance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Adj SS** | **Adj MS** | **F-Value** | **P-Value** |
| Regression | 5 | 54.991 | 10.9983 | 64.14 | 0.000 |
| Unemployment Rate | 1 | 1.368 | 1.3679 | 7.98 | 0.008 |
| Cargo Volume | 1 | 1.318 | 1.3181 | 7.69 | 0.009 |
| Time\_1 | 1 | 5.760 | 5.7603 | 33.59 | 0.000 |
| Time\_2 | 1 | 4.919 | 4.9193 | 28.69 | 0.000 |
| delta CPI\_Lag12 | 1 | 11.468 | 11.4683 | 66.88 | 0.000 |
| Error | 30 | 5.144 | 0.1715 |  |  |
| Total | 35 | 60.136 |  |  |  |

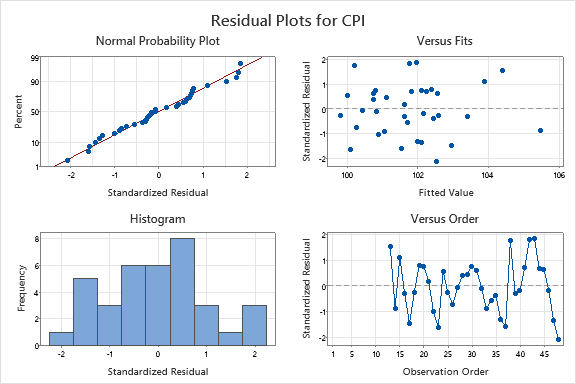
**Fits and Diagnostics for Unusual Observations**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Obs** | **CPI** | **Fit** | **Resid** | **Std Resid** |  |  |
| 26 | 100.100 | 100.271 | -0.171 | -0.73 |  | X |
| 48 | 101.800 | 102.528 | -0.728 | -2.08 | R |  |

*R  Large residual  
X  Unusual X*

**Durbin-Watson Statistic**

|  |  |
| --- | --- |
| Durbin-Watson Statistic = | 1.28457 |

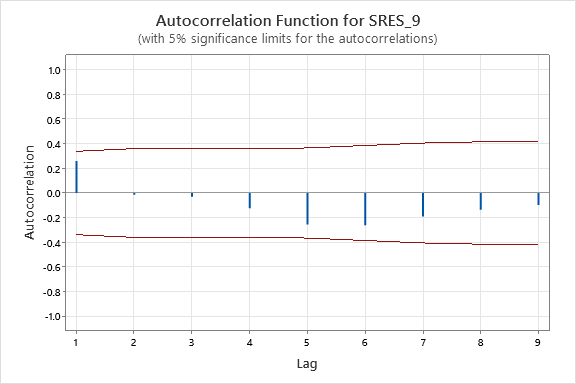


COPY FROM SHEET1(W2)

**Autocorrelation Function: SRES\_9**

**Autocorrelations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Lag** | **ACF** | **T** | **LBQ** |
| 1 | 0.259367 | 1.56 | 2.63 |
| 2 | -0.014335 | -0.08 | 2.64 |
| 3 | -0.030177 | -0.17 | 2.68 |
| 4 | -0.123112 | -0.69 | 3.32 |
| 5 | -0.256396 | -1.42 | 6.22 |
| 6 | -0.262086 | -1.38 | 9.36 |
| 7 | -0.189818 | -0.95 | 11.06 |
| 8 | -0.136136 | -0.67 | 11.96 |
| 9 | -0.098160 | -0.47 | 12.45 |



COPY FROM SHEET1(W2)

**Runs Test: SRES\_9**

**Descriptive Statistics**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Number of Observations** | |
|  |  |
| **N** | **K** | **≤ K** | **> K** |
| 36 | 0 | 20 | 16 |

**Test**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Null hypothesis | | H₀: The order of the data is random | | |
| Alternative hypothesis | | H₁: The order of the data is not random | | |
| **Number of Runs** | | |  |
| **Observed** | **Expected** | | **P-Value** |
| 14 | 18.78 | | 0.102 |

COPY FROM SHEET1(W2)

**Time Series Plot of HI\_9, COOK\_9**

