**Regression**

| **Descriptive Statistics** | | | |
| --- | --- | --- | --- |
|  | Mean | Std. Deviation | N |
| Y | 1.08 | .330 | 45 |
| X1 | 2.66 | .787 | 45 |
| X2 | 1.11 | .501 | 45 |
| X3 | 1.63 | .022 | 45 |

| **Correlations** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  |  | Y | X1 | X2 | X3 |
| Pearson Correlation | Y | 1.000 | -.415 | -.179 | .156 |
| X1 | -.415 | 1.000 | .068 | -.042 |
| X2 | -.179 | .068 | 1.000 | -.250 |
| X3 | .156 | -.042 | -.250 | 1.000 |
| Sig. (1-tailed) | Y | . | .002 | .120 | .153 |
| X1 | .002 | . | .329 | .391 |
| X2 | .120 | .329 | . | .049 |
| X3 | .153 | .391 | .049 | . |
| N | Y | 45 | 45 | 45 | 45 |
| X1 | 45 | 45 | 45 | 45 |
| X2 | 45 | 45 | 45 | 45 |
| X3 | 45 | 45 | 45 | 45 |

| **Variables Entered/Removedb** | | | |
| --- | --- | --- | --- |
| Model | Variables Entered | Variables Removed | Method |
| 1 | X3, X1, X2a | . | Enter |
| a. All requested variables entered. | | |  |
| b. Dependent Variable: Y | | |  |

| **Model Summaryb** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | | | | Durbin-Watson |
| R Square Change | F Change | df1 | df2 | Sig. F Change |
| 1 | .453a | .206 | .147 | .305 | .206 | 3.537 | 3 | 41 | .023 | 1.460 |
| a. Predictors: (Constant), X3, X1, X2 | | | |  |  |  |  |  |  |  |
| b. Dependent Variable: Y | | |  |  |  |  |  |  |  |  |

| **ANOVAb** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | .985 | 3 | .328 | 3.537 | .023a |
| Residual | 3.808 | 41 | .093 |  |  |
| Total | 4.793 | 44 |  |  |  |
| a. Predictors: (Constant), X3, X1, X2 | | | |  |  |  |
| b. Dependent Variable: Y | | |  |  |  |  |

| **Coefficientsa** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | -.993 | 3.523 |  | -.282 | .779 |
| X1 | -.168 | .059 | -.402 | -2.877 | .006 |
| X2 | -.082 | .095 | -.125 | -.866 | .391 |
| X3 | 1.601 | 2.136 | .108 | .749 | .458 |
| a. Dependent Variable: Y | | |  |  |  |  |

| **Residuals Statisticsa** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | Minimum | Maximum | Mean | Std. Deviation | N |
| Predicted Value | .76 | 1.39 | 1.08 | .150 | 45 |
| Residual | -.962 | .515 | .000 | .294 | 45 |
| Std. Predicted Value | -2.120 | 2.037 | .000 | 1.000 | 45 |
| Std. Residual | -3.155 | 1.688 | .000 | .965 | 45 |
| a. Dependent Variable: Y | |  |  |  |  |

**NPar Tests**

| **One-Sample Kolmogorov-Smirnov Test** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  |  | Y | X1 | X2 | X3 |
| N | | 45 | 45 | 45 | 45 |
| Normal Parametersa | Mean | 1.08 | 2.66 | 1.11 | 1.63 |
| Std. Deviation | .330 | .787 | .501 | .022 |
| Most Extreme Differences | Absolute | .092 | .171 | .143 | .196 |
| Positive | .081 | .116 | .126 | .196 |
| Negative | -.092 | -.171 | -.143 | -.107 |
| Kolmogorov-Smirnov Z | | .619 | 1.146 | .958 | 1.316 |
| Asymp. Sig. (2-tailed) | | .837 | .144 | .318 | .063 |
| a. Test distribution is Normal. | |  |  |  |  |
|  |  |  |  |  |  |