**Regression**

|  |  |  |
| --- | --- | --- |
| **Notes** |  |  |
| Output Created |  | 07-SEP-2025 19:33:47 |
| Comments |  |  |
| Input | Data | C:\Users\DanhSakai\Desktop\SPSSFileDatav1.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 129 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| Cases Used | Statistics are based on cases with no missing values for any variable used. |
| Syntax |  | REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001) /NOORIGIN /DEPENDENT HQVH\_TB /METHOD=ENTER HT\_TB TB\_TB PC\_TB NS\_TB LCV\_TB TCT\_TB /SCATTERPLOT=(\*ZRESID ,\*ZPRED) /RESIDUALS DURBIN HISTOGRAM(ZRESID) NORMPROB(ZRESID). |
| Resources | Processor Time | 00:00:00.34 |
| Elapsed Time | 00:00:00.39 |
| Memory Required | 7120 bytes |
| Additional Memory Required for Residual Plots | 816 bytes |

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removed**a |  |  |  |
| Model | Variables Entered | Variables Removed | Method |
| 1 | TCT\_TB, PC\_TB, TB\_TB, LCV\_TB, HT\_TB, NS\_TBb | . | Enter |

|  |  |  |  |
| --- | --- | --- | --- |
| a. Dependent Variable: HQVH\_TB |  |  |  |
| b. All requested variables entered. |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model Summary**b |  |  |  |  |  |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
| 1 | .808a | .653 | .635 | .30674 | 1.957 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a. Predictors: (Constant), TCT\_TB, PC\_TB, TB\_TB, LCV\_TB, HT\_TB, NS\_TB |  |  |  |  |  |
| b. Dependent Variable: HQVH\_TB |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVA**a |  |  |  |  |  |  |
| Model |  | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 21.560 | 6 | 3.593 | 38.192 | <.001b |
| Residual | 11.479 | 122 | .094 |  |  |
| Total | 33.039 | 128 |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| a. Dependent Variable: HQVH\_TB |  |  |  |  |  |  |
| b. Predictors: (Constant), TCT\_TB, PC\_TB, TB\_TB, LCV\_TB, HT\_TB, NS\_TB |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Coefficients**a |  |  |  |  |  |  |  |
| Model |  | Unstandardized Coefficients |  | Standardized Coefficients | t | Sig. | Collinearity Statistics |
|  | B | Std. Error | Beta | Tolerance |
| 1 | (Constant) | .099 | .293 |  | .338 | .736 |  |
| HT\_TB | -.016 | .078 | -.016 | -.203 | .839 | .475 |
| TB\_TB | .068 | .054 | .080 | 1.252 | .213 | .704 |
| PC\_TB | .156 | .075 | .163 | 2.077 | .040 | .465 |
| NS\_TB | .095 | .087 | .094 | 1.095 | .276 | .383 |
| LCV\_TB | .354 | .090 | .320 | 3.953 | <.001 | .436 |
| TCT\_TB | .310 | .068 | .351 | 4.556 | <.001 | .479 |

|  |  |  |
| --- | --- | --- |
| **Coefficients**a |  |  |
| Model |  | Collinearity Statistics |
|  | VIF |
| 1 | (Constant) |  |
| HT\_TB | 2.106 |
| TB\_TB | 1.421 |
| PC\_TB | 2.150 |
| NS\_TB | 2.612 |
| LCV\_TB | 2.294 |
| TCT\_TB | 2.089 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| a. Dependent Variable: HQVH\_TB |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Collinearity Diagnostics**a |  |  |  |  |  |  |  |
| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions |  |  |  |
| (Constant) | HT\_TB | TB\_TB | PC\_TB |
| 1 | 1 | 6.949 | 1.000 | .00 | .00 | .00 | .00 |
| 2 | .018 | 19.844 | .01 | .05 | .60 | .06 |
| 3 | .011 | 24.636 | .03 | .00 | .28 | .07 |
| 4 | .008 | 29.374 | .73 | .02 | .03 | .15 |
| 5 | .006 | 34.917 | .01 | .29 | .03 | .00 |
| 6 | .004 | 40.651 | .01 | .44 | .00 | .71 |
| 7 | .004 | 44.366 | .20 | .20 | .06 | .02 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Collinearity Diagnostics**a |  |  |  |  |
| Model | Dimension | Variance Proportions |  |  |
| NS\_TB | LCV\_TB | TCT\_TB |
| 1 | 1 | .00 | .00 | .00 |
| 2 | .00 | .00 | .03 |
| 3 | .00 | .03 | .48 |
| 4 | .04 | .02 | .01 |
| 5 | .31 | .23 | .22 |
| 6 | .28 | .02 | .09 |
| 7 | .37 | .69 | .17 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a. Dependent Variable: HQVH\_TB |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Residuals Statistics**a |  |  |  |  |  |
|  | Minimum | Maximum | Mean | Std. Deviation | N |
| Predicted Value | 2.7747 | 4.9370 | 4.0698 | .41041 | 129 |
| Residual | -.83377 | .87225 | .00000 | .29946 | 129 |
| Std. Predicted Value | -3.155 | 2.113 | .000 | 1.000 | 129 |
| Std. Residual | -2.718 | 2.844 | .000 | .976 | 129 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a. Dependent Variable: HQVH\_TB |  |  |  |  |  |

**Charts**

img.emf

img.emf

img.emf