**Factor Analysis**

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| **Notes** |  |  |
| Output Created |  | 06-SEP-2025 01:37:44 |
| 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 | MISSING=EXCLUDE: User-defined missing values are treated as missing. |
| Cases Used | LISTWISE: Statistics are based on cases with no missing values for any variable used. |
| Syntax |  | FACTOR /VARIABLES HT1 HT3 TB1 TB2 TB3 PC1 PC2 PC3 KH1 KH2 NS1 NS3 LCV3 TCT2 TCT3 HQVH3 /MISSING LISTWISE /ANALYSIS HT1 HT3 TB1 TB2 TB3 PC1 PC2 PC3 KH1 KH2 NS1 NS3 LCV3 TCT2 TCT3 HQVH3 /PRINT INITIAL EXTRACTION /FORMAT SORT BLANK(.4) /CRITERIA KAISER MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.00 |
| Maximum Memory Required | 32144 (31.391K) bytes |

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| **Communalities** |  |  |
|  | Initial | Extraction |
| HT1 | 1.000 | .591 |
| HT3 | 1.000 | .545 |
| TB1 | 1.000 | .605 |
| TB2 | 1.000 | .562 |
| TB3 | 1.000 | .577 |
| PC1 | 1.000 | .678 |
| PC2 | 1.000 | .589 |
| PC3 | 1.000 | .573 |
| KH1 | 1.000 | .406 |
| KH2 | 1.000 | .650 |
| NS1 | 1.000 | .577 |
| NS3 | 1.000 | .467 |
| LCV3 | 1.000 | .496 |
| TCT2 | 1.000 | .460 |
| TCT3 | 1.000 | .686 |
| HQVH3 | 1.000 | .454 |

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| Extraction Method: Principal Component Analysis. |  |  |

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| **Total Variance Explained** |  |  |  |  |  |  |
| Component | Initial Eigenvalues |  |  | Extraction Sums of Squared Loadings |  |  |
| Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative % |
| 1 | 6.096 | 38.102 | 38.102 | 6.096 | 38.102 | 38.102 |
| 2 | 1.591 | 9.943 | 48.044 | 1.591 | 9.943 | 48.044 |
| 3 | 1.226 | 7.663 | 55.708 | 1.226 | 7.663 | 55.708 |
| 4 | .992 | 6.197 | 61.905 |  |  |  |
| 5 | .923 | 5.771 | 67.676 |  |  |  |
| 6 | .764 | 4.773 | 72.449 |  |  |  |
| 7 | .685 | 4.282 | 76.731 |  |  |  |
| 8 | .604 | 3.777 | 80.508 |  |  |  |
| 9 | .553 | 3.455 | 83.964 |  |  |  |
| 10 | .501 | 3.132 | 87.096 |  |  |  |
| 11 | .453 | 2.831 | 89.927 |  |  |  |
| 12 | .404 | 2.528 | 92.455 |  |  |  |
| 13 | .353 | 2.205 | 94.659 |  |  |  |
| 14 | .324 | 2.023 | 96.682 |  |  |  |
| 15 | .294 | 1.839 | 98.521 |  |  |  |
| 16 | .237 | 1.479 | 100.000 |  |  |  |

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| Extraction Method: Principal Component Analysis. |  |  |  |  |  |  |

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| **Component Matrix**a |  |  |  |
|  | Component |  |  |
| 1 | 2 | 3 |
| KH2 | .761 |  |  |
| NS1 | .745 |  |  |
| PC3 | .721 |  |  |
| HT3 | .684 |  |  |
| TCT2 | .665 |  |  |
| TCT3 | .647 |  |  |
| PC2 | .637 |  |  |
| HQVH3 | .633 |  |  |
| KH1 | .629 |  |  |
| NS3 | .620 |  |  |
| PC1 | .610 | -.519 |  |
| TB2 | .587 |  | .411 |
| LCV3 | .543 |  |  |
| TB3 |  | .538 |  |
| HT1 | .512 | -.530 |  |
| TB1 |  |  | .671 |

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| Extraction Method: Principal Component Analysis.a |  |  |  |
| a. 3 components extracted. |  |  |  |