**Factor Analysis**

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| **Notes** |  |  |
| Output Created |  | 06-SEP-2025 01:27:24 |
| 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 TCT1 TCT2 TCT3 HQVH3 /MISSING LISTWISE /ANALYSIS HT1 HT3 TB1 TB2 TB3 PC1 PC2 PC3 KH1 KH2 NS1 NS3 LCV3 TCT1 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 | 00:00:00.02 |
| Elapsed Time | 00:00:00.02 |
| Maximum Memory Required | 35976 (35.133K) bytes |

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| **Communalities** |  |  |
|  | Initial | Extraction |
| HT1 | 1.000 | .556 |
| HT3 | 1.000 | .556 |
| TB1 | 1.000 | .603 |
| TB2 | 1.000 | .660 |
| TB3 | 1.000 | .642 |
| PC1 | 1.000 | .655 |
| PC2 | 1.000 | .611 |
| PC3 | 1.000 | .674 |
| KH1 | 1.000 | .573 |
| KH2 | 1.000 | .677 |
| NS1 | 1.000 | .596 |
| NS3 | 1.000 | .632 |
| LCV3 | 1.000 | .536 |
| TCT1 | 1.000 | .663 |
| TCT2 | 1.000 | .462 |
| TCT3 | 1.000 | .663 |
| HQVH3 | 1.000 | .651 |

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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 | 6.252 | 36.779 | 36.779 | 6.252 | 36.779 | 36.779 |
| 2 | 1.927 | 11.334 | 48.112 | 1.927 | 11.334 | 48.112 |
| 3 | 1.227 | 7.216 | 55.328 | 1.227 | 7.216 | 55.328 |
| 4 | 1.004 | 5.908 | 61.236 | 1.004 | 5.908 | 61.236 |
| 5 | .946 | 5.567 | 66.803 |  |  |  |
| 6 | .818 | 4.813 | 71.617 |  |  |  |
| 7 | .691 | 4.067 | 75.684 |  |  |  |
| 8 | .606 | 3.563 | 79.247 |  |  |  |
| 9 | .583 | 3.430 | 82.677 |  |  |  |
| 10 | .519 | 3.055 | 85.732 |  |  |  |
| 11 | .478 | 2.810 | 88.542 |  |  |  |
| 12 | .413 | 2.431 | 90.973 |  |  |  |
| 13 | .365 | 2.145 | 93.118 |  |  |  |
| 14 | .327 | 1.923 | 95.041 |  |  |  |
| 15 | .323 | 1.902 | 96.943 |  |  |  |
| 16 | .283 | 1.666 | 98.609 |  |  |  |
| 17 | .237 | 1.391 | 100.000 |  |  |  |

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

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| **Component Matrix**a |  |  |  |  |
|  | Component |  |  |  |
| 1 | 2 | 3 | 4 |
| KH2 | .770 |  |  |  |
| NS1 | .733 |  |  |  |
| PC3 | .703 |  |  |  |
| HT3 | .675 |  |  |  |
| TCT3 | .661 |  |  |  |
| TCT2 | .659 |  |  |  |
| HQVH3 | .646 |  |  | .425 |
| KH1 | .639 |  |  |  |
| NS3 | .620 |  |  | -.455 |
| PC2 | .614 | -.435 |  |  |
| TB2 | .595 |  |  |  |
| PC1 | .588 | -.507 |  |  |
| LCV3 | .552 |  |  |  |
| HT1 | .494 | -.477 |  |  |
| TCT1 | .428 | .673 |  |  |
| TB3 | .414 | .547 |  |  |
| TB1 |  |  | .660 |  |

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| Extraction Method: Principal Component Analysis.a |  |  |  |  |
| a. 4 components extracted. |  |  |  |  |