|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | X4 | X6 | X8 | X10 | X14 | X16 | X17 |
| X4 里程km | .748 |  |  |  |  |  |  |
| X6 路肩寬度 | .096 | .923 |  |  |  |  |  |
| X8 大客車數 | .159 | .026 | .717 |  |  |  |  |
| X10 全聯結車數 | .080 | -.156 | .090 | .884 |  |  |  |
| X14 總計車公里 | -.256 | -.024 | -.272 | -.132 | .677 |  |  |
| X16 快車道數量 | .235 | -.064 | -.154 | -.068 | -.155 | .727 |  |
| X17 機慢車道數量 | .130 | .062 | .029 | .173 | -.175 | .001 | .901 |

Table 3: Assessing the Appropriateness of Factor Analysis for the Revised Set of Variables (X5,X7,X9,X11,X12,X13,X15 Deleted): MSA

Table : Cross-loading Classification

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Factor Loadings Matrix | | | Squared Loadings | | | Ratio | Cross-loading  Classification |
|  | Factor 1 | Factor 2 | Factor 3 | Factor 1 | Factor 2 | Factor 3 |  |  |
| X4 里程km |  | -.677 |  |  | .458 |  |  | Ignorable |
| X6 路肩寬度 |  | .171 | .306 |  | .029 | .094 | 3.241 | Ignorable |
| X8 大客車數 | .465 | .375 |  | .216 | .141 |  | 1.532 | Potential |
| X10 全聯結車數 |  |  | .715 |  |  | .036 |  | Ignorable |
| X14 總計車公里 | .985 | -.117 | .106 | .970 | .014 | .011 | 69.286 | Ignorable |
| X16 快車道數量 | .331 | .542 | .150 | .110 | .294 | .023 | 2.673 | Ignorable |
| X17 機慢車道數量 | .232 | .113 | -.248 | .054 | .013 | .062 | 1.148 | Problematic |