|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameters | Principal Components | | | Rotate Components | | |
| PC1 | PC2 | PC3 | RC1 | RC2 | RC3 |
| Bulk Density | -0.12 | **0.74** | -0.13 | -0.35 | **0.62** | 0.25 |
| Sand | -0.18 | **0.79** | 0.29 | -0.3 | 0.48 | **0.64** |
| Silt | **-0.92** | 0.03 | -0.34 | **-0.95** | -0.18 | -0.17 |
| Clay | **0.92** | -0.28 | 0.23 | **0.98** | 0.02 | -0.05 |
| Moisture | -0.46 | **-0.56** | 0.55 | -0.12 | **-0.86** | 0.28 |
| pH | **-0.64** | -0.48 | 0.14 | -0.42 | **-0.69** | -0.02 |
|  |  |  |  |  |  |  |
| EC | -0.15 | 0.36 | **0.86** | 0.003 | -0.1 | **0.94** |
| Organic Carbon | **0.85** | -0.15 | -0.02 | **0.82** | 0.19 | -0.2 |
| Nitrogen | **0.66** | 0.63 | 0.01 | 0.44 | **0.77** | 0.21 |
| CEC | **0.85** | -0.33 | 0.000004 | **0.87** | 0.04 | -0.26 |
| Total Initial Eigenvalues | 4.253 | 2.429 | 1.341 | 3.889 | 2.509 | 1.626 |
| Percent variance of initial Eigenvalues | 42.53 | 24.30 | 13.41 | 38.89 | 25.09 | 16.26 |
| Cumulative percent of initial Eigenvalues | 42.53 | 66.83 | 80.24 | 38.89 | 63.98 | 80.24 |