|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameters | Principal Components | | | Rotate Components | | |
| PC1 | PC2 | PC3 | RC1 | RC2 | RC3 |
| Bulk Density | -0.18 | **0.74** | -0.06 | -0.39 | **0.55** | 0.37 |
| Sand | -0.2 | **0.78** | 0.26 | -0.31 | 0.43 | **0.66** |
| Silt | **-0.92** | -0.004 | -0.34 | **-0.94** | -0.21 | -0.17 |
| Clay | **0.93** | -0.25 | 0.24 | **0.98** | 0.06 | -0.05 |
| Moisture | -0.44 | -0.55 | **0.59** | -0.07 | **-0.88** | 0.25 |
| pH | **-0.63** | -0.49 | 0.14 | -0.4 | **-0.70** | -0.07 |
| EC | -0.14 | 0.4 | **0.84** | 0.03 | -0.13 | **0.93** |
| Organic Carbon | **0.85** | -0.14 | -0.04 | **0.80** | 0.24 | -0.21 |
| Nitrogen | 0.649 | **0.651** | -0.04 | 0.4 | **0.79** | 0.24 |
| CEC | **0.85** | -0.33 | 0.04 | **0.88** | 0.05 | -0.25 |
| Total Initial Eigenvalues | 4.255 | 2.469 | 1.321 | 3.843 | 2.499 | 1.706 |
| Percent variance of initial Eigenvalues | 42.55 | 24.69 | 13.21 | 38.4 | 24.99 | 17.06 |
| Cumulative percent of initial Eigenvalues | 42.55 | 67.25 | 80.47 | 38.4 | 63.4 | 80.5 |