|  |  |  |  |
| --- | --- | --- | --- |
| **Percentage of variation explained by the first 3 axes** | | | |
| **Axis** | **1** | **2** | **3** |
| **%age** | 41.07 | 17.97 | 16.82 |
| **Cum %** | 41.07 | 59.05 | 75.87 |

**S3:** Statistical summary of PCoA

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Eigen Values by Axis** | | | | | | |
| **Axis No.** | **1** | **2** | **3** | **4** | **5** | **6** |
| **EigenValue** | 0.044 | 0.019 | 0.018 | 0.012 | 0.008 | 0.006 |
| **Eigen values of populations** | | | | | | |
| **Bathinda** | 0.019 | 0.078 | -0.032 | -0.001 | 0.063 | 0.004 |
| **Barnala** | -0.034 | -0.071 | -0.044 | -0.059 | 0.012 | -0.031 |
| **Gorakhpur** | 0.132 | -0.064 | 0.050 | 0.027 | 0.019 | 0.009 |
| **Delhi** | -0.065 | -0.009 | 0.008 | -0.026 | -0.014 | 0.064 |
| **Ambala** | 0.090 | 0.061 | 0.003 | -0.033 | -0.055 | -0.014 |
| **Sirsa** | -0.032 | -0.013 | -0.072 | 0.073 | -0.026 | -0.004 |
| **Gurdaspur** | -0.110 | 0.018 | 0.087 | 0.018 | 0.001 | -0.028 |