SQL Database

For the database we create five tables to store data entry from the user and to pull data for clustering and restore them in clusters tables , and visualize the data in a web app .

To create this database I used python and sqlite3 package and DB – SQLite .

Table1 (company\_values)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Company\_id  ‘integer’ primary key | Company\_name  ‘text’ | Value1  ‘text’ | Value2  ‘text’ | Value3  ‘text’ |

Table2(clustered)

|  |  |
| --- | --- |
| Company\_name  ‘text’ | Clustered  ‘ text or int‘ ? |

Table3(Cluster\_centroids)

|  |  |  |
| --- | --- | --- |
| cluster1  ‘integer’ | cluster2  ‘integer’ | cluster3  ‘integer’ |

Table4 (Company\_datapoint)

|  |  |  |
| --- | --- | --- |
| X  ‘Float’ | Y  ‘float’ | Z  ‘float’ |

Table5(values)

|  |  |
| --- | --- |
| Value\_name  ‘text’ | Value\_array  ‘integer’ |