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| Algorithms | Distance metric |
| Kmeans | The way of selecting centroid  A screenshot of a cell phone  Description automatically generated  Distance computation  1.Euclidean distance    2.Manhattan Distance(k is dimension)  A picture containing object, clock  Description automatically generated  3.Chebyshev Distance  A picture containing drawing  Description automatically generated  4.Minkowski Distance  A close up of a logo  Description automatically generated  5.COS distance |
| SpectralClustering | np.exp(-gamma \* d(**p**,**q**) \*\* 2)  d(**p**,**q**) is Euclidean distance  gamma is a parameter of this algorithm    Can be customized as well |