**Abstract**

Clustering is a type of learning technique in which a set of objects are grouped together in such a way that each group of cluster has similar characteristics in them. It is much utilizes in exploratory data mining. In other words clusters are the aggregation of similar objects which share common characteristics the types of clustering methods, such as connectivity, centroid , distribution and density based clustering. Here we are going to see temperature of sao paulo. To analyse this we are going to use clustering method in the r programming language. The method of clustering is used in many fields like the pattern recognition, image analysis, data compression, information retrieval, bio informatics etc.