Clustering

This research is used to identify which areas have similar characteristics using forest fire area and rainfall data in Banjar District.

DATA

There are two variables in this research. Rainfall data obtained from the Tropical Rainfall Measurement Mission (TRMM) and data on the area of forest fires from the Global Fire Emission Database (GFED4).

Ward's Clustering K-means Clustering R-square = 0.711322 R-square = 0.606315 Pseudo F = 29.56887 Pseudo F = 18.48119 ICD Rate = 0.288678 ICD Rate = 0.393685 R-square = 0.711322 R-square = 0.81898 4 Pseudo F = 18.89122 Pseudo F = 34.68599 ICD Rate - 0.288678 ICD Rate = 0.18102 R-square = 0.711322 R-square = 0.81898 Pseudo F = 13.5524 Pseudo F = 24.88343ICD Rate = 0.18102 ICD Rate = 0.288678

After comparing 2 clustering methods with different number of clusters, the best result is the Ward's Clustering with 4 clusters.





