

## **Ex-2 Visualization of Hierarchical clustering**

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#Ex2 - Visualization of Hierarchical clustering

#R version 3.3.2 (2016-10-31)

#RStudio version 1.2.1335

1. Load the mtcars dataset and Compute the distance and hierarchical clustering using `hclust()` and Display the hclustering using `plot()`
2. Display the hierarchical clustering results dendrogram and plot the result
3. Construct the Triangle plot
4. Creation of nodepar and customizing the visualization
5. Change edge color based on the clustering
6. Display the cluster results using ape package
7. Display the cluster using Cladogram
8. Display the cluster using unrooted, Fan, radial formats
9. Cut and Plot the Cut the dendrogram into 4 clusters and color the clusters
10. Change the appearance, edges and label of the cluster results
11. Install the package `ggdendro`, `ggplot2` and improve your cluster result
12. Plot the cluster results using `tanglegram`