1. **Import the diamonds dataset from ggplot2**
2. **Filter the dataset to include diamonds only which are rated Premium and have colors J, K, or L.**
3. **Select the carat, depth, price, x, y, and z columns.**
4. **Calculate the Minkowski distance for the data with a p of 1.5.**
5. **Cluster these data with the Single Linkage method.**
6. **Plot the resulting dendrogram.**
7. **Add rectangles around the point there are 4 clusters on the dendrogram.**
8. **Import the diamonds dataset from ggplot2**
9. **Group the dataset by cut.**
10. **Summarize the data and calculate the mean carat, price, and depth**
11. **Select those columns.**
12. **Calculate the Euclidian distance for the data.**
13. **Cluster these data with the Complete Linkage method.**
14. **Plot the resulting dendrogram.**