

Agglomerative Hierarchical Clustering

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- CoE - 2

```
1, 2, 0, 2, 0, 2, 0, 2, 0, 2, 1, 2, 0, 2, 1, 2, 0, 2, 0, 2, 0, 2,  
0, 2, 0, 2, 0, 2, 1, 2, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2,  
0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2,  
0, 2])
```

```
plt.scatter(X[labels==0, 0], X[labels==0, 1], s=50, marker='o', color='red')  
plt.scatter(X[labels==1, 0], X[labels==1, 1], s=50, marker='o', color='blue')  
plt.scatter(X[labels==2, 0], X[labels==2, 1], s=50, marker='o', color='green')  
plt.scatter(X[labels==3, 0], X[labels==3, 1], s=50, marker='o', color='purple')  
plt.scatter(X[labels==4, 0], X[labels==4, 1], s=50, marker='o', color='orange')  
plt.xlabel('Annual Income')  
plt.ylabel('Spending Score')  
plt.show()
```

