

Short Explanation of Agglomerative Clustering

In this notebook, I would try to explain the Agglomerative Clustering process.

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In [6]: import pandas as pd
import matplotlib.pyplot as plt
# creating the dummy data
dummy = pd.DataFrame([[30,100,5],
                      [18, 200, 2],
                      [35, 150, 7],
                      [48, 300, 4],
                      [50, 200, 6]], index = ['Anne', 'Ben', 'Chad', 'Dave', 'Eric'], columns = ['Age', 'Expense ($)', 'Distance(KM)'])

dummy
```

Out [6]:

	Age	Expense(\$)	Distance(KM)
Anne	30	100	5
Ben	18	200	2
Chad	35	150	7
Dave	48	300	4
Eric	50	200	6

Agglomerative clustering is based on the distance measurement. In my case, I would use the simplest one which is Euclidean distance. The