

Python 3.6.4 |Anaconda custom (64-bit)| (default, Jan 16 2018, 10:22:32) [MSC v.1900 64 bit (AMD64)]

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IPython 6.1.0 -- An enhanced Interactive Python.

Restarting kernel...

```
In [1]:          'C:/Users/Hemanth kumar/Desktop/data_mining/Apriori/apriori_final_clean.py'
        = 'C:/Users/Hemanth kumar/Desktop/data_mining/Apriori'
```

Confidence= 90%
Support count= 35

1)
Confidence: 95.0 %

{'OperaCake', 'LemonCake'}-->{'VanillaFrappuccino'}

2)
Confidence: 97.43589743589743 %

{'VanillaFrappuccino', 'OperaCake'}-->{'LemonCake'}

3)
Confidence: 97.43589743589743 %

{'AppleDanish', 'StrawberryCake'}-->{'LemonTart'}

4)
Confidence: 92.6829268292683 %

{'LemonTart', 'StrawberryCake'}-->{'AppleDanish'}

5)
Confidence: 90.9090909090909 %

{'ApricotTart', 'ApricotCroissant'}-->{'AlmondTwist'}

6)
Confidence: 97.5609756097561 %

{'ApricotTart', 'AlmondTwist'}-->{'ApricotCroissant'}

7)
Confidence: 95.23809523809523 %

{'ApricotCroissant', 'AlmondTwist'}-->{'ApricotTart'}

Total Association Rules obtained : 7

Confidence= 90%
Support count= 40

1)
Confidence: 90.9090909090909 %
{ 'ApricotTart', 'ApricotCroissant' }-->{ 'AlmondTwist' }

2)
Confidence: 97.5609756097561 %
{ 'ApricotTart', 'AlmondTwist' }-->{ 'ApricotCroissant' }

3)
Confidence: 95.23809523809523 %
{ 'ApricotCroissant', 'AlmondTwist' }-->{ 'ApricotTart' }

Total Association Rules obtained : 3

Confidence= 95%
Support count= 35

1)
Confidence: 95.0 %
{ 'OperaCake', 'LemonCake' }-->{ 'VanillaFrappuccino' }

2)
Confidence: 97.43589743589743 %
{ 'VanillaFrappuccino', 'OperaCake' }-->{ 'LemonCake' }

3)
Confidence: 97.43589743589743 %
{ 'AppleDanish', 'StrawberryCake' }-->{ 'LemonTart' }

4)
Confidence: 97.5609756097561 %
{ 'ApricotTart', 'AlmondTwist' }-->{ 'ApricotCroissant' }

5)
Confidence: 95.23809523809523 %
{ 'ApricotCroissant', 'AlmondTwist' }-->{ 'ApricotTart' }

Total Association Rules obtained : 5

Confidence= 95%
Support count= 40

1)

Confidence: 97.5609756097561 %

{'ApricotTart', 'AlmondTwist'}-->{'ApricotCroissant'}

2)

Confidence: 95.23809523809523 %

{'ApricotCroissant', 'AlmondTwist'}-->{'ApricotTart'}

Total Association Rules obtained : 2

In [2]: