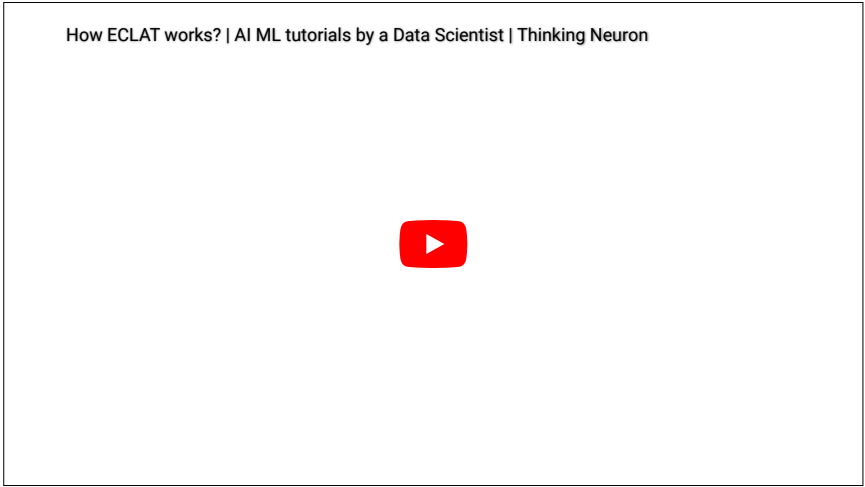


How to do association rule mining using ECLAT in Python

Python, Unsupervised Machine Learning / 3 Comments / By Farukh Hashmi

ECLAT stands for Equivalence CLASS Transformation! The basic idea is the same as the apriori algorithm but the ECLAT algorithm is faster and better than apriori. More information about it can be found [here](#).

You can learn more about ECLAT algorithm in the below video.



The below code helps to create association rules using eclat in python

```
2
3 # The package source can be found at below location, it is not stable however
4 # https://github.com/ondrzej11/Apriori-and-Eclat-Frequent-Itemset-Mining
5 from association import eclat
6
7 # Creating Sample Transactions
8 transactions = []
9 &#91; 'Milk', 'Bread', 'Saffron'],
10 &#91; 'Milk', 'Saffron'],
11 &#91; 'Bread', 'Saffron', 'Wafer'],
12 &#91; 'Bread', 'Wafer'],
13 ]
14
15 # Creating Rules using Eclat
16 Rules=eclat.eclat(data=transactions, min_support=0.5)
17 Rules
```



AUTHOR DETAILS

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Lead Data Scientist

Farukh is an innovator in solving industry problems using Artificial Intelligence. His expertise is backed with 10 years of industry experience. Being a senior data scientist he is responsible for designing the AI/ML solution to provide maximum gains for the clients. As a thought leader, his focus is on solving the key business problems of the CPG industry. He has worked across different domains like Telecom, insurance, and Logistics. He has worked with global tech leaders including Infosys, IBM, and Persistent systems. His passion to teach inspired him to create this website!

🌐 <https://thinkingneuron.com/> ✉ thinkingneuron@gmail.com

← [How to do Association Rule Mining using apriori in Python](#) [How to do association rule mining using FP-Growth in Python](#) →

3 thoughts on "How to do association rule mining using ECLAT in Python"

 **MARTIN**
JUNE 20, 2021 AT 10:04 AM

Hi there,
i dont have this association package yet and i cant simply do an install of pip3 install association. What's the matter here?

Thanks & BR
Martin

[Reply](#)

 **FARUKH HASHMI**
JUNE 21, 2021 AT 9:02 AM

Hi Martin,

Can you show me the screenshot of the error you are getting?. There must a version issue for the package.

[Reply](#)

 **KH CH**
MARCH 16, 2023 AT 10:03 AM

eclat is only found in pyECLAT package
so your code doesn't seem right

[Reply](#)

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