

- ✓ Priori Algorithm on dataset

```
basket_intelligence = apriori(transactions = transactions , min_support = 0.002 , min_confidence = 0.2 , min_lift = 3 , min
```

```
[RelationRecord(items=frozenset({'pancakes', '5 star'}), support=0.0022166805209199226, ordered_statistics=[OrderedStatistic(items_base=frozenset({'5 star'}), items_add=frozenset({'pancakes'}), confidence=0.326530612244898, lift=3.445757250268529))), RelationRecord(items=frozenset({'parle g', 'MTR Idli'}), support=0.0020781379883624274, ordered_statistics=[OrderedStatistic(items_base=frozenset({'MTR Idli'}), items_add=frozenset({'parle g'}), confidence=0.26315789473684215, lift=3.2469635627530367))), RelationRecord(items=frozenset({'almonds', 'burgers'}), support=0.005403158769742311, ordered_statistics=[OrderedStatistic(items_base=frozenset({'almonds'}), items_add=frozenset({'burgers'}), confidence=0.26530612244897955, lift=3.059072830410119))), RelationRecord(items=frozenset({'barbecue sauce', 'turkey'}), support=0.0024937655860349127, ordered_statistics=[OrderedStatistic(items_base=frozenset({'barbecue sauce'}), items_add=frozenset({'turkey'}), confidence=0.22499999999999998, lift=3.585099337748344))), RelationRecord(items=frozenset({'buns', 'paneer'}), support=0.016070933776669436, ordered_statistics=[OrderedStatistic(items_base=frozenset({'buns'}), items_add=frozenset({'paneer'}), confidence=0.3240223463687151, lift=3.2848220450693617)))]
```

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	product1	product2	supports	confidences	lifts
0	5 star	pancakes	0.002217	0.326531	3.445757
1	MTR Idli	parle g	0.002078	0.263158	3.246964
2	almonds	burgers	0.005403	0.265306	3.059073
3	barbecue sauce	turkey	0.002494	0.225000	3.585099
4	buns	paneer	0.016071	0.324022	3.284822
...
487	mineral water	nan	0.003048	0.333333	3.492017
488	spaghetti	nan	0.002217	0.355556	3.724819
489	tomatoes	vegetable basket	0.002217	0.307692	10.886878
490	milk	mineral water	0.002078	0.326087	9.017991
491	milk	mineral water	0.002078	0.258621	4.261927

492 rows x 5 columns

```
DataFrame_intelligence.nlargest( n=10 , columns = 'lifts')
```



	product1	product2	supports	confidences	lifts
146	pasta	pepper spray	0.002494	0.461538	23.966796
374	pasta	nan	0.002494	0.461538	23.966796
391	tomatoes	vegetable basket	0.002217	0.307692	10.886878
489	tomatoes	vegetable basket	0.002217	0.307692	10.886878
420	milk	mineral water	0.002078	0.326087	9.017991
490	milk	mineral water	0.002078	0.326087	9.017991
329	maggi	vegetable basket	0.002494	0.219512	7.766858
461	maggi	vegetable basket	0.002494	0.219512	7.766858
220	chicken	milk	0.002078	0.277778	7.652672
407	chicken	milk	0.002078	0.277778	7.652672