

```
In [55]: 1 for RelationRecord in results:
2         print('Set of items: ',RelationRecord[0])
3         print('Support: ',RelationRecord[1])
4         print('Confidence:',RelationRecord[2][0][2],'for item1: ',RelationRecord[2][0][0],' and item2:',RelationRecord[2][0][1])
5         print('Lift: ',RelationRecord[2][0][3])
6         print('')
```

```
Set of items: frozenset({'light cream', 'chicken'})
Support: 0.004532728969470737
Confidence: 0.29059829059829057 for item1: frozenset({'light cream'}) and item2: frozenset({'chicken'})
Lift: 4.84395061728395

Set of items: frozenset({'escalope', 'mushroom cream sauce'})
Support: 0.005732568990801226
Confidence: 0.3006993006993007 for item1: frozenset({'mushroom cream sauce'}) and item2: frozenset({'escalope'})
Lift: 3.790832696715049

Set of items: frozenset({'pasta', 'escalope'})
Support: 0.005865884548726837
Confidence: 0.3728813559322034 for item1: frozenset({'pasta'}) and item2: frozenset({'escalope'})
Lift: 4.700811850163794

Set of items: frozenset({'fromage blanc', 'honey'})
Support: 0.003332888948140248
Confidence: 0.2450980392156863 for item1: frozenset({'fromage blanc'}) and item2: frozenset({'honey'})
Lift: 5.164271444444444
```

```
In [39]: 1 def covert_to_list_for_df(results):
2         item1=[tuple(i[2][0][0]) for i in results]
3         item2=[tuple(i[2][0][1])[0] for i in results]
4         support=[i[1] for i in results]
5         confidence=[i[2][0][2] for i in results]
6         lift=[i[2][0][3] for i in results]
7         return list(zip(item1,item2,support,confidence,lift))
8
9         final_df=pd.DataFrame(covert_to_list_for_df(results),columns=['item1','item2','support','confidence','lift'])
```

```
In [63]: 1 final_df
```

Out[63]:

	item1	item2	support	confidence	lift
0	(light cream,)	chicken	0.004533	0.290598	4.843951
1	(mushroom cream sauce,)	escalope	0.005733	0.300699	3.790833
2	(pasta,)	escalope	0.005866	0.372881	4.700812
3	(fromage blanc,)	honey	0.003333	0.245098	5.164271
4	(herb & pepper,)	ground beef	0.015998	0.323450	3.291994
5	(tomato sauce,)	ground beef	0.005333	0.377358	3.840659
6	(light cream,)	olive oil	0.003200	0.205128	3.114710
7	(whole wheat pasta,)	olive oil	0.007999	0.271493	4.122410
8	(pasta,)	shrimp	0.005066	0.322034	4.506672
9	(spaghetti, avocado)	milk	0.003333	0.416667	3.215449
10	(cake, milk)	burgers	0.003733	0.280000	3.211437