

```
import pandas as pd

from mlxtend.preprocessing import TransactionEncoder

from mlxtend.frequent_patterns import apriori, association_rules


df=pd.read_csv('market_basket.csv')
df.dropna(inplace=True)


te=TransactionEncoder()
te_ary=te.fit(df.values).transform(df.values)
df=pd.DataFrame(te_ary,columns=te.columns_)


frequent_itemsets=apriori(df,min_support=0.01,use_colnames=True)
rules=association_rules(frequent_itemsets,metric="lift",min_threshold=1)

print("Dataset information:")
print(df.info())


print("\nFrequent itemsets:")
print(frequent_itemsets)


print("\nAssociation rules:")
print(rules)
```