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import pandas as pd

from mlxtend.preprocessing import TransactionEncoder

from mlxtend.frequent_patterns import apriori, association_rules

dataset = {1: ["eggs", "milk", "bread"], 2: ["eggs", "apple"], 3: ["milk", "bread"], 4: ["apple", "milk"], 5: ["milk", "apple", "bread"]}

te = TransactionEncoder()

te_ary = te.fit(dataset.values()).transform(dataset.values())

df = pd.DataFrame(te_ary, columns=te.columns_)

frequent_itemsets = apriori(df, min_support=min_sup, use_colnames=True)

association_rules = association_rules(frequent_itemsets, metric="confidence", min_threshold=0.6)

print("Frequent Itemsets:\n", frequent_itemsets)

print("\nAssociation Rules:\n", association_rules)

```