**ARAVINDH.M**

**ASSIGNMENT-9**

**TOPIC: ASSOCIATION-RULE**

**QUESTION:**

**Prepare rules for the all the data sets**

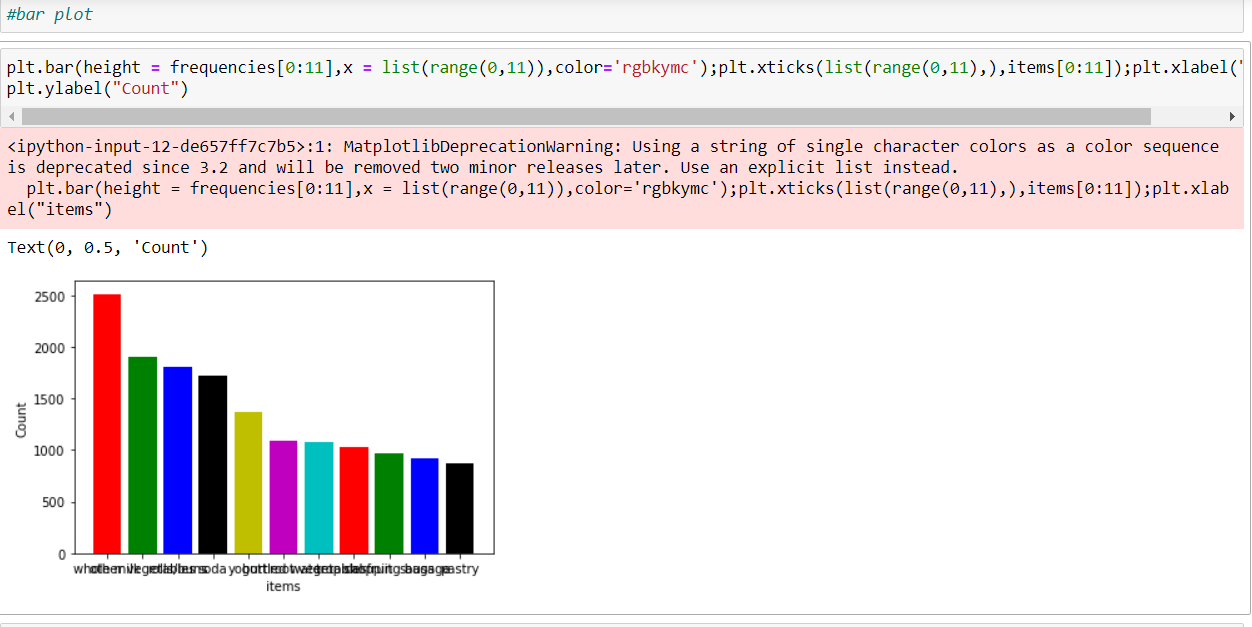
**1) Try different values of support and confidence. Observe the change in number of rules for different support,confidence values**

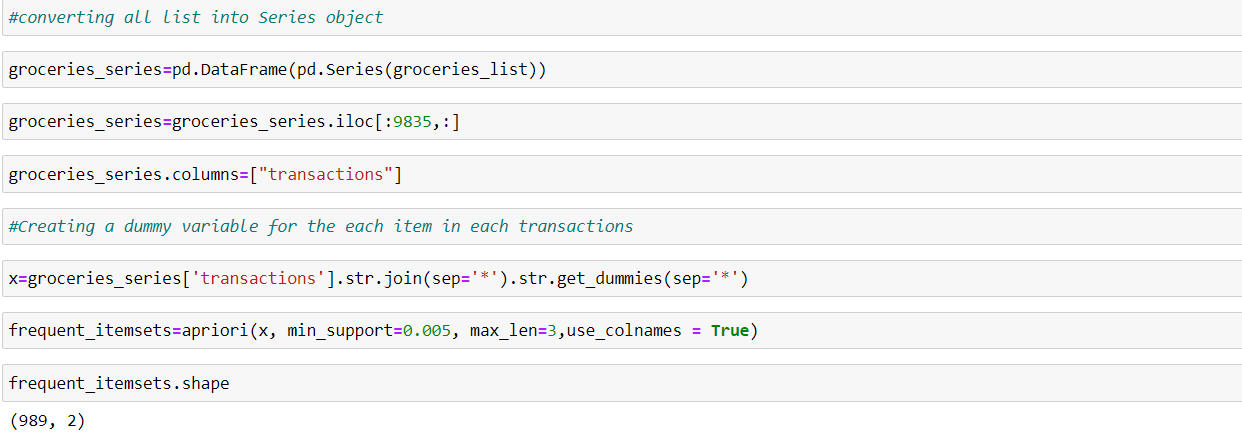
**2) Change the minimum length in apriori algorithm**

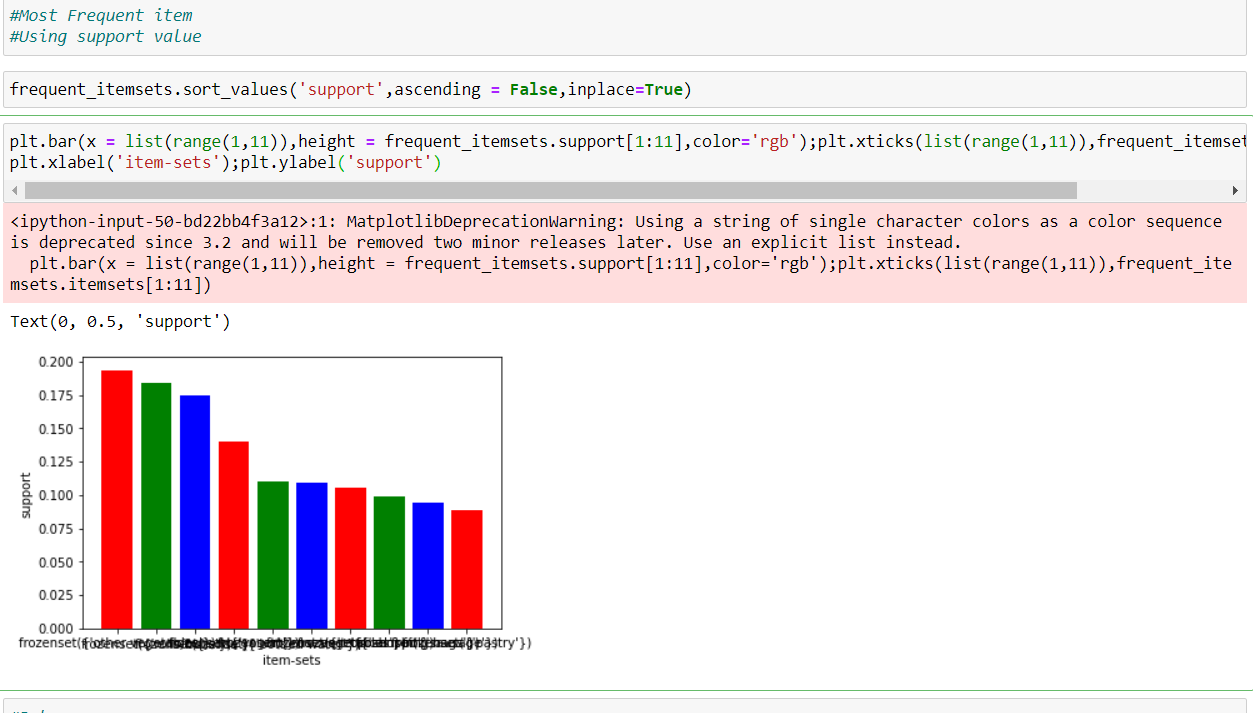
**3) Visulize the obtained rules using different plots**

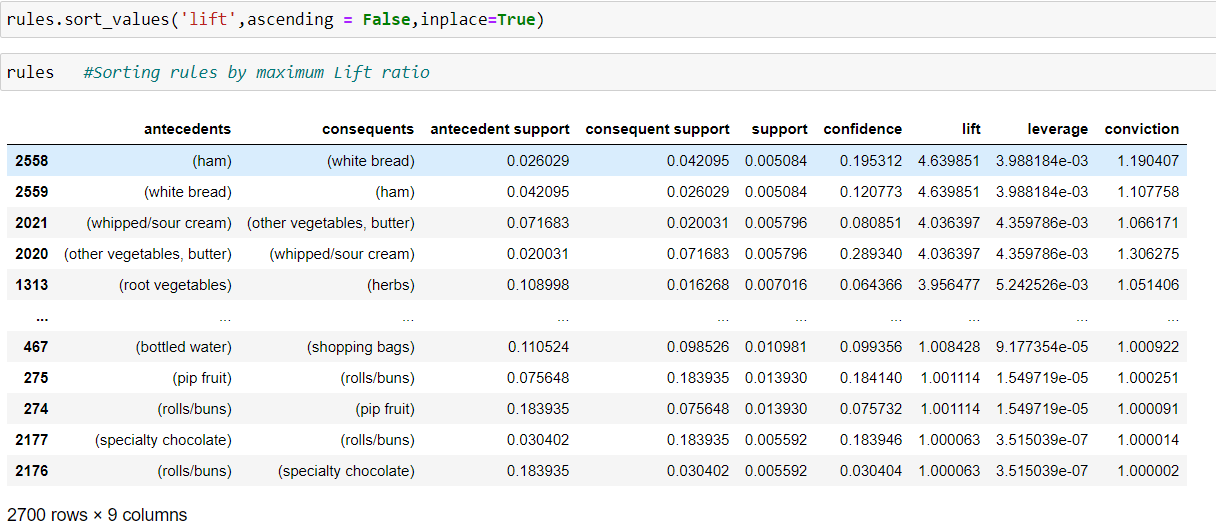
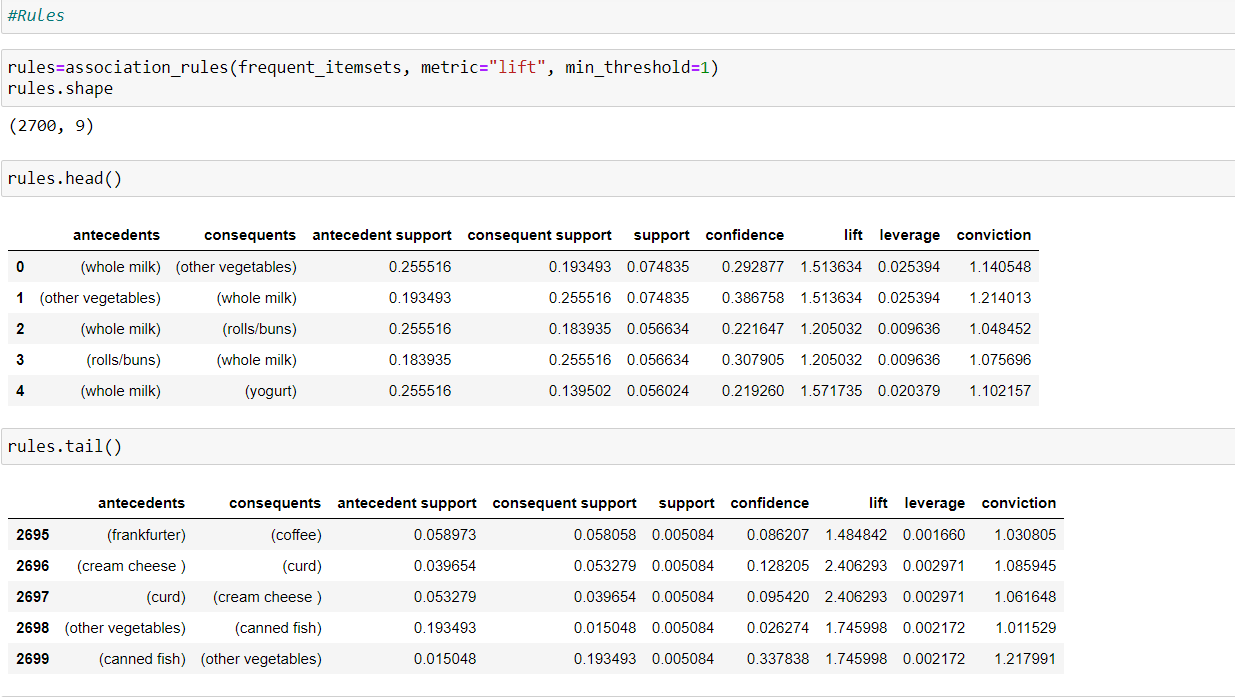
**DATASET 1: groceries.csv**

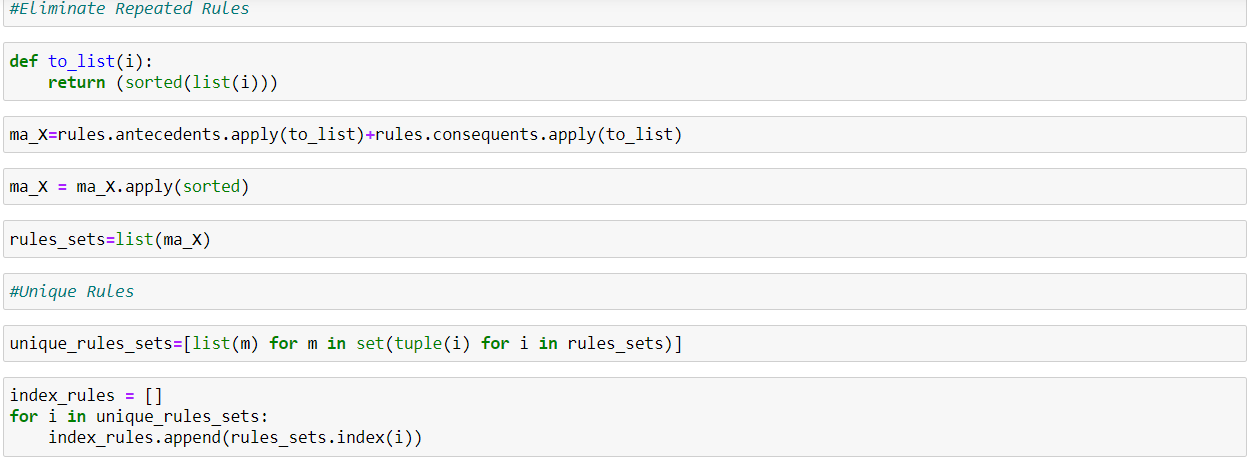
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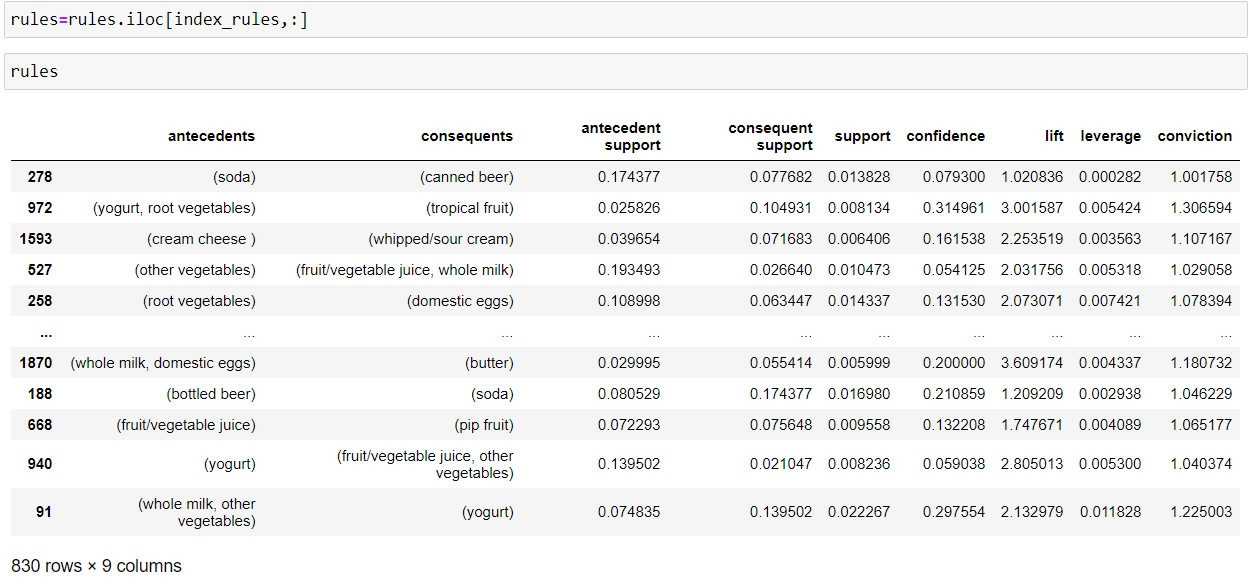
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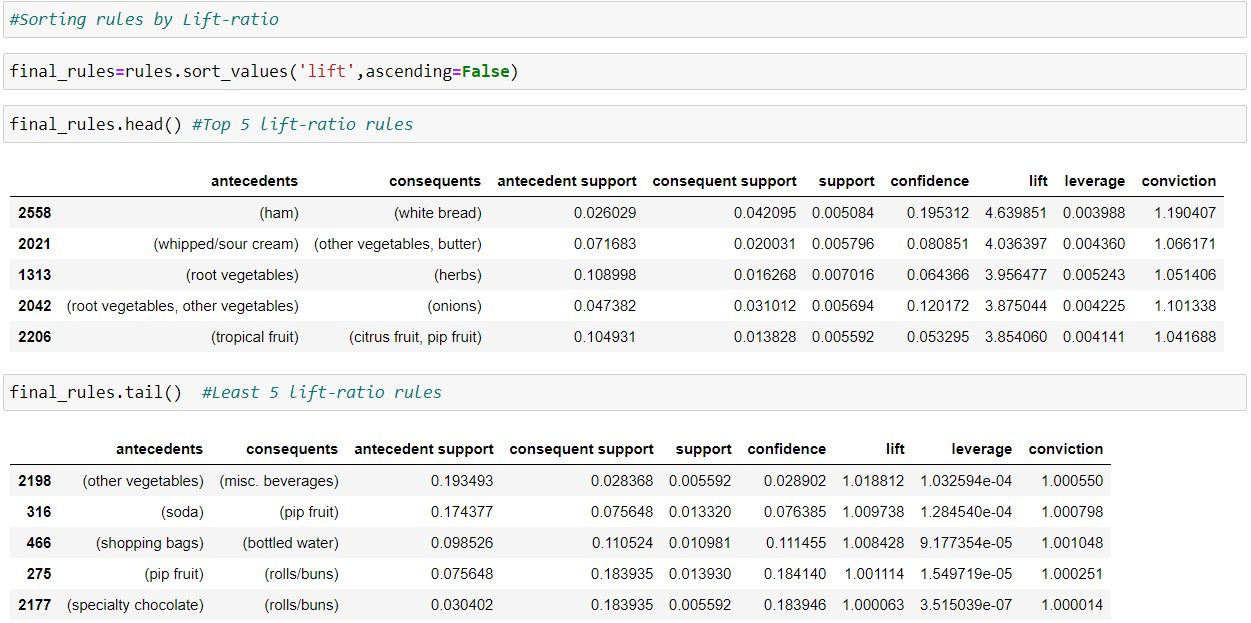
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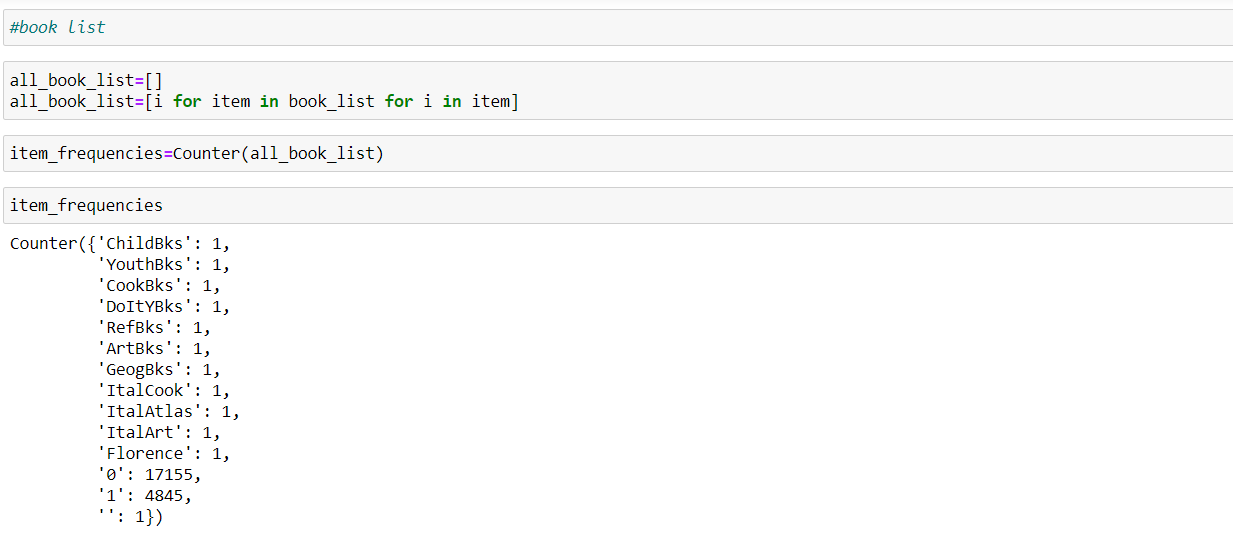
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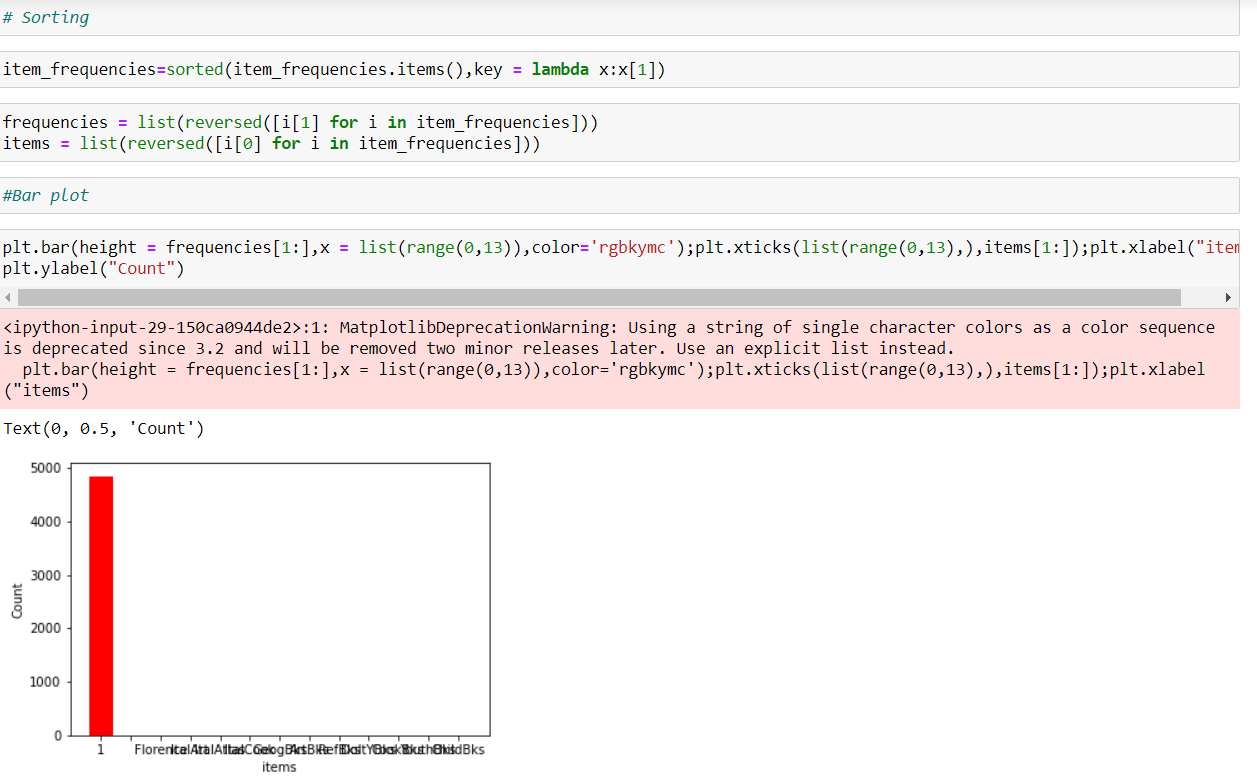
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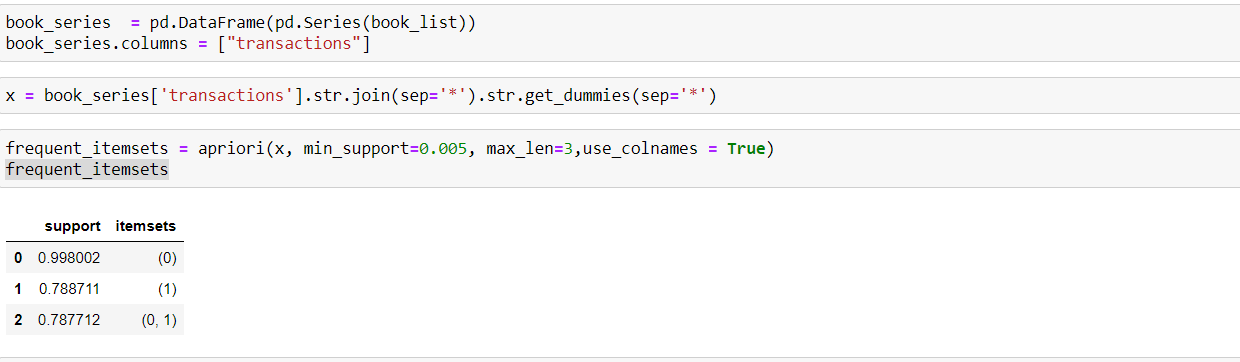
**There are 830 unique rule for this given dataset (groceries.csv).**

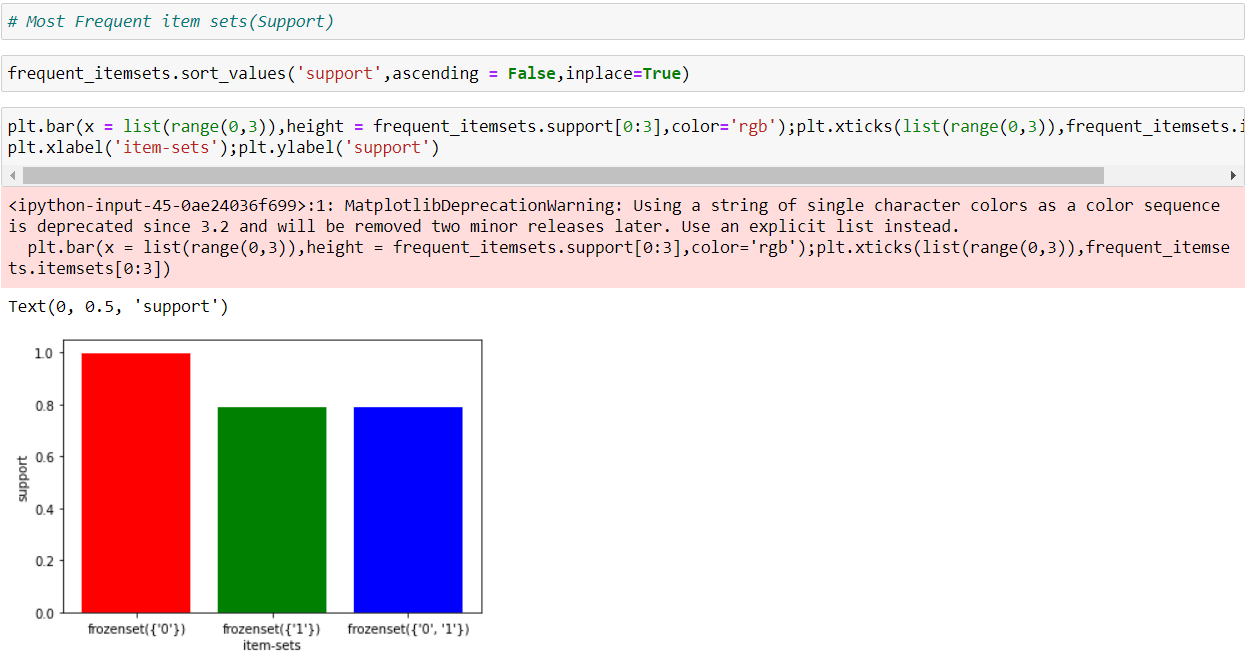
**DATASET 2: book.csv**

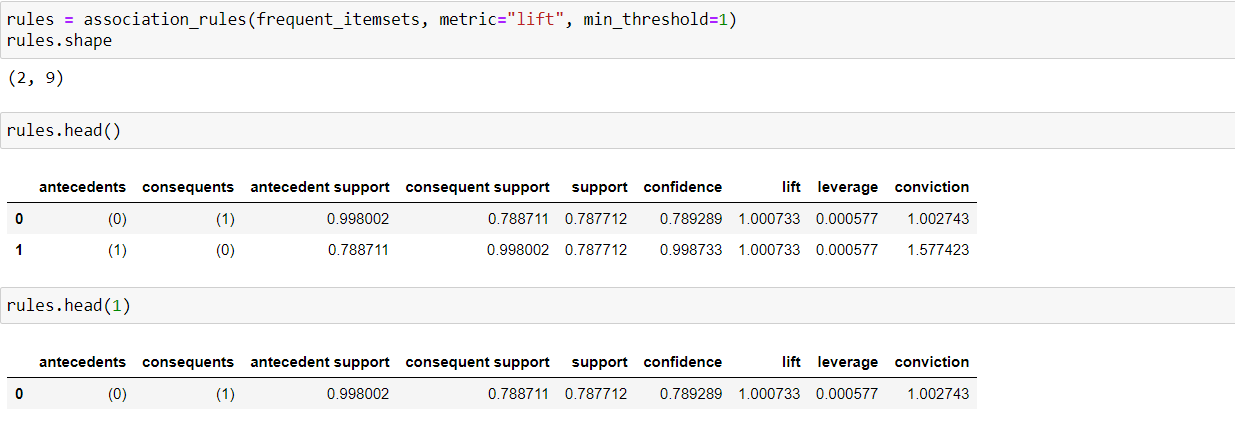
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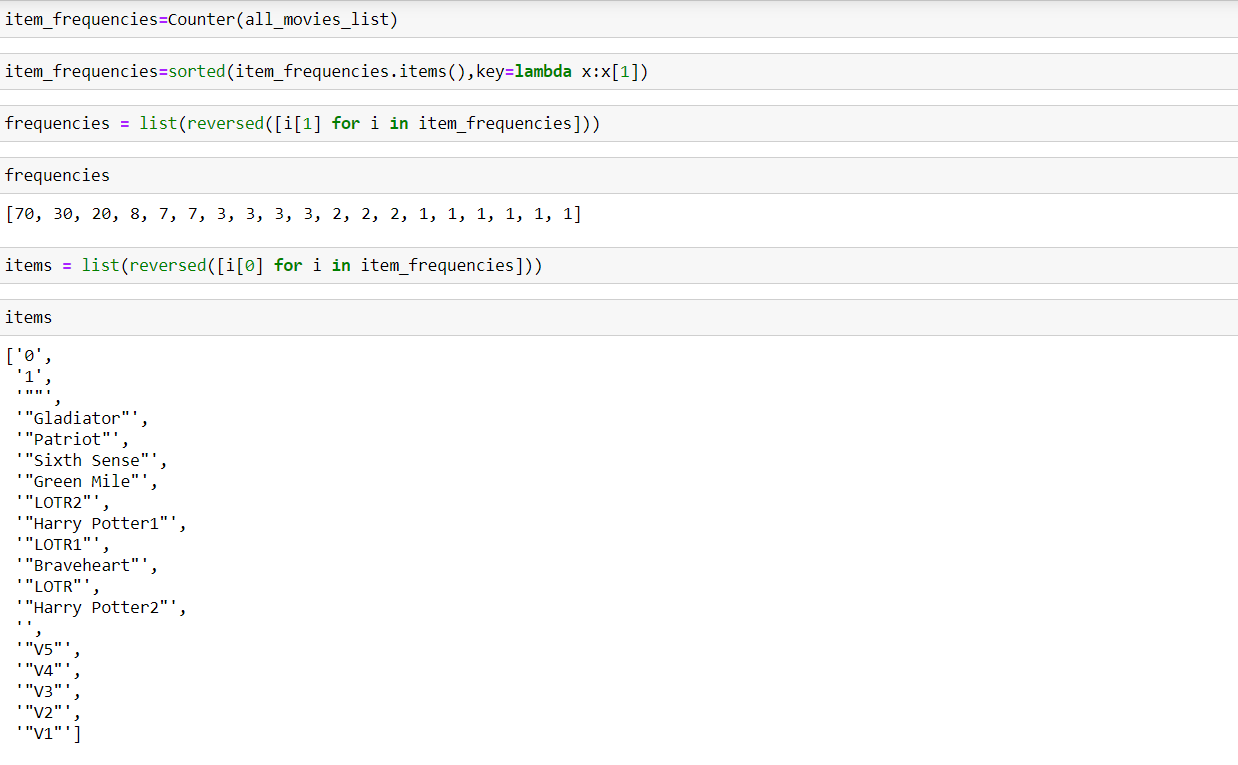
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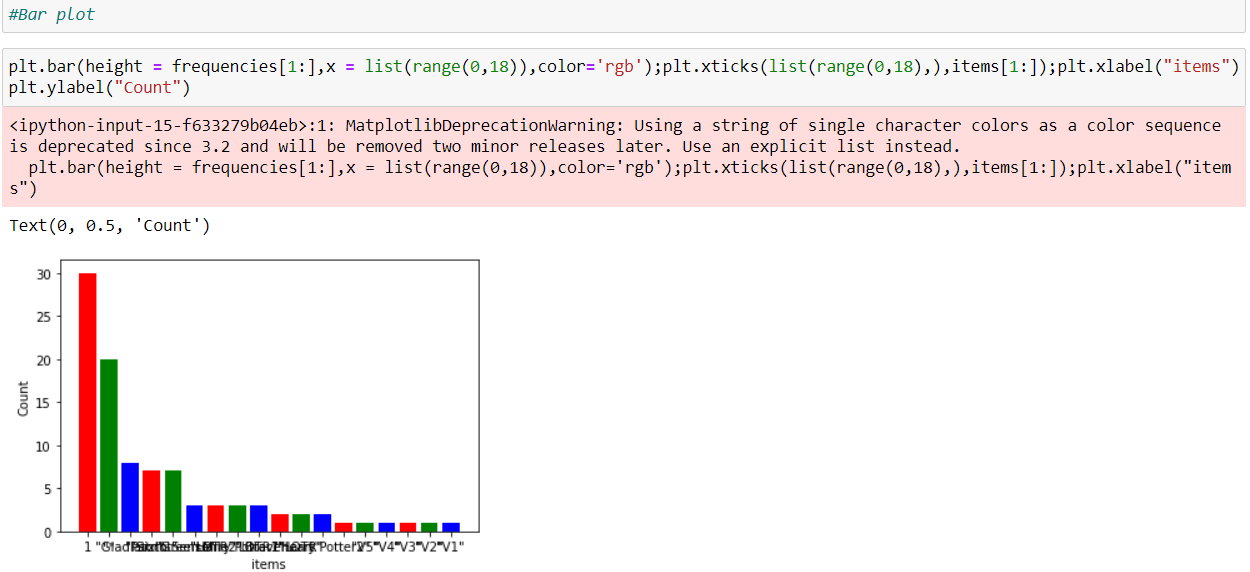
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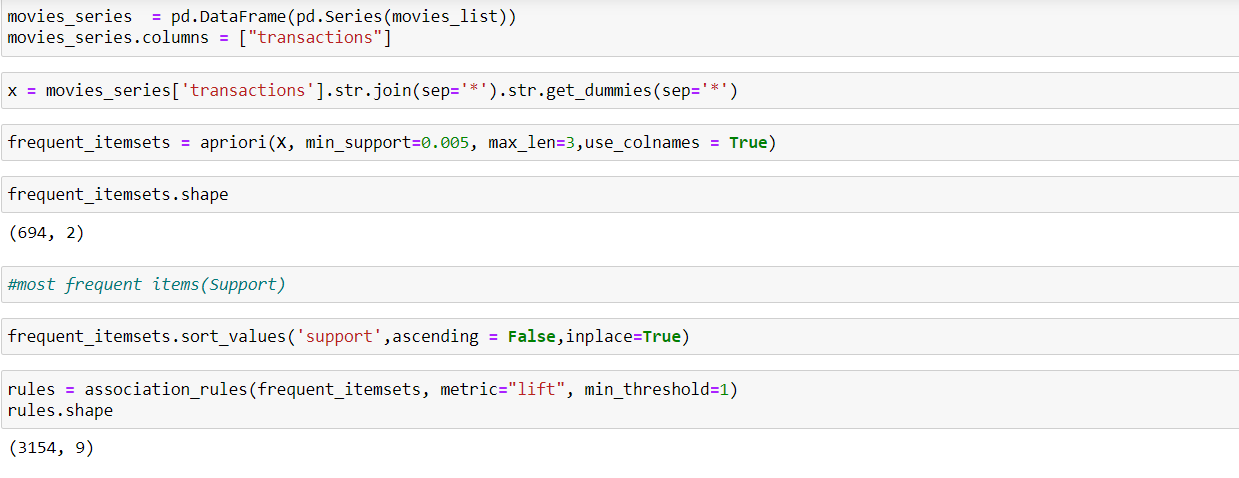
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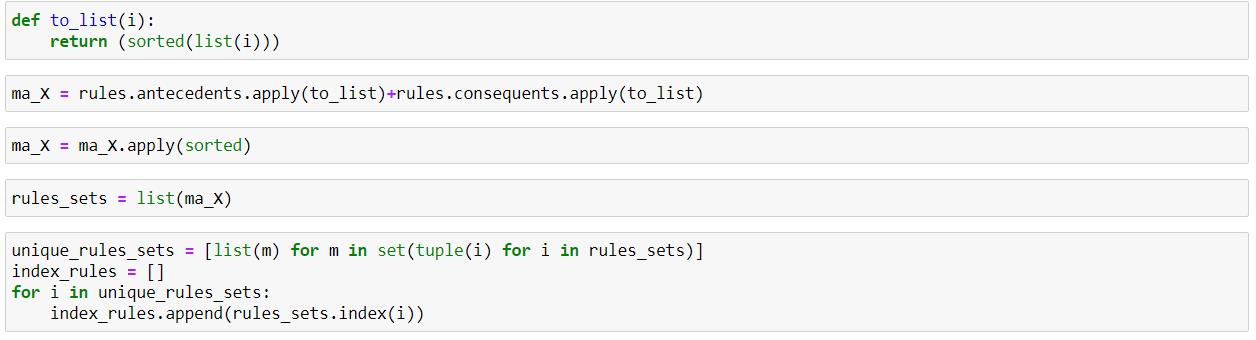
**DATASET 3: my\_movies.csv**

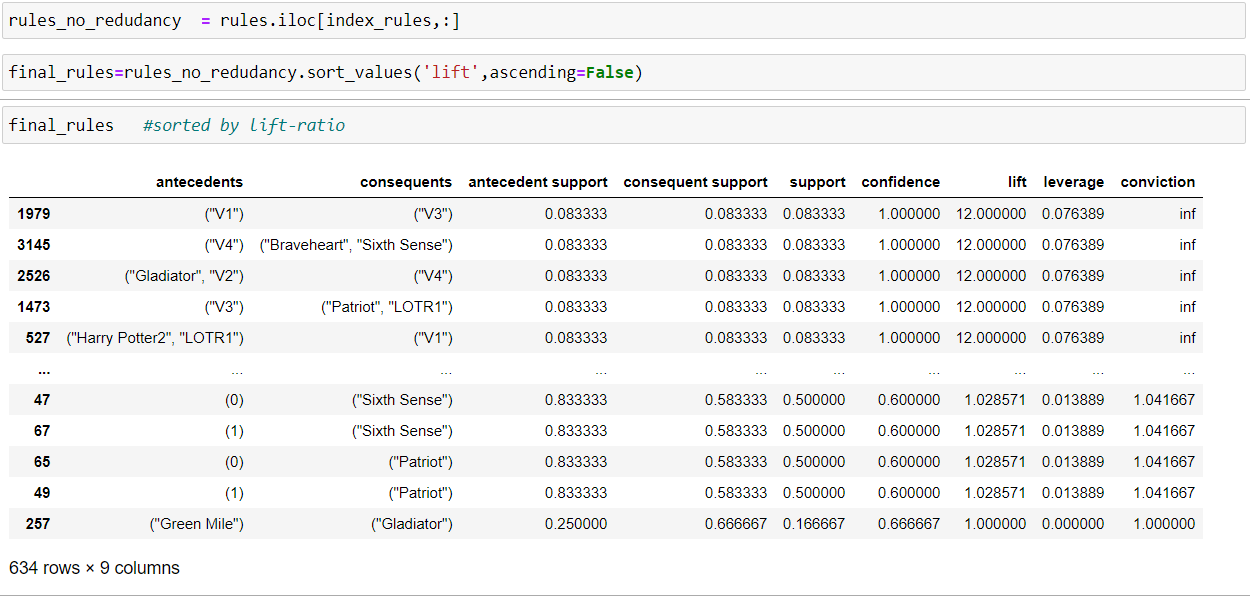
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