**LAB Assignment:**

**Download and install RapidMiner from: https://rapidminer.com/platform/educational/**

**Review Tutorial** - <https://academy.rapidminer.com/learn/article/cross-selling-do-you-want-fries-with-that>

**Dataset:**

* For this lab we will use data set available from: <http://users.csc.calpoly.edu/~dekhtyar/466-Spring2018/labs/lab01.html>
* You need to do some processing in Excel or other editor to add product name from 'goods.csv' in the above link.

After following the tutorial, lets change the confidence to 50% and min. support to 2%.

**Done support to 0.02 and confidence to 0.5**

Provide a Market basket analysis highlighting the support and confidence of Top 3 Rules.

**Food-Marzipan Cookie and Food Tuile Cookie Support: 5.1% Confidence: 56.7%**

**Food-Cherry Tart and Food-Apricot Danish Support: 5.3% Confidence: 57%**

**Food-Apricot Danish and Food-Cherry Tart Support: 5.3% Confidence 57.4%**

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**Your analysis must include:**

1. [5 Marks] Market Basket analysis of top3 rules.
2. **Food-Marzipan Cookie and Food Tuile Cookie**
3. **Food-Cherry Tart and Food-Apricot Danish**
4. **Food-Apricot Danish and Food-Cherry Tart**

**"People who buy Food-Marzipan Cookie have a confidence of 56.7%to also buy Food Tuile Cookie with a support of 5.1% “**

**"People who buy Food-Cherry Tart have a confidence of 57% to also buy Food-Apricot Danish with a support of 5.3% “**

**"People who buy Food-Apricot Danish have a confidence of 57.4% %to also buy Food-Cherry Tart with a support of 5.3%**

1. [5 Marks] Screen shot of design & result for both default setting and after changing the confidence and min. support as per above. (FP Growth, Confidence)

**Dataset**

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**After changing confidence to 0.5 and support to 0.02**

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