# Experiment 07 - Association Rule Mining using Data Mining Tool (RapidMiner)

Roll No.	19		
Name	Manav Jawrani		
Class	D15A		
Subject	Business Intelligence Lab		
LO Mapped	LO2: Organize and prepare the data needed for data mining algorithms in terms of attributes and class inputs, training, validating, and testing files.  LO3: Implement the appropriate data mining methods like classification, clustering or association mining on large data sets using open source tools like WEKA		

1 23	Ex	perment 7.	Ą	DATE:	
	Afm - To perform Association Rule mining using Rapid miner				
	Theory -	40	1.50	MOST	
•	Introduction to Association mining -				
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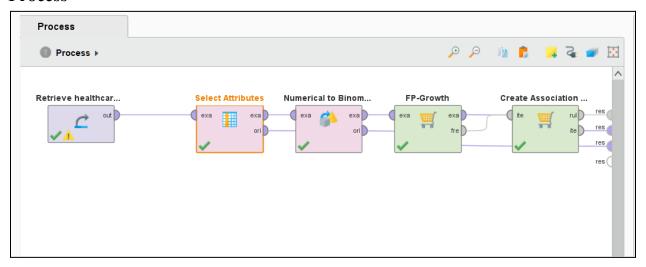
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	DATE:
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	with min support countie. 2
	-Bis not maximal
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9:	Eccount) is greater than its immediate superset.
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	In E's immediate superfet items are not present
	with min support count i.e. 1 3
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•	MCZ) -> BOMCZ), FMCZ), MPCZ)
	mccount) is greater than its immediate superset
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	In m's immediate superset, itemset are not present
	with min-suppost count i.e. 2
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	Eccount is not greater than it innediate snew
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### Implementation -

#### **Process** -



#### **Association Rules -**

```
AssociationRules
Association Rules
[Female, true] --> [false, Yes] (confidence: 0.909)
[true] --> [false, Yes] (confidence: 0.914)
[Male, true] --> [false, Yes] (confidence: 0.919)
[false, Female, true] --> [Yes] (confidence: 0.923)
[Female, true] --> [Yes] (confidence: 0.924)
[false, true] --> [Yes] (confidence: 0.928)
[true] --> [Yes] (confidence: 0.929)
[false, Male, true] --> [Yes] (confidence: 0.933)
[Male, true] --> [Yes] (confidence: 0.934)
[Yes, Female, true] --> [false] (confidence: 0.983)
[Yes, true] --> [false] (confidence: 0.984)
[Yes, Male, true] --> [false] (confidence: 0.984)
[Female, true] --> [false] (confidence: 0.984)
[true] --> [false] (confidence: 0.985)
[Male, true] --> [false] (confidence: 0.985)
[Yes, Male] --> [false] (confidence: 0.996)
[Yes] --> [false] (confidence: 0.996)
[Yes, Female] --> [false] (confidence: 0.997)
[Male] --> [false] (confidence: 0.997)
[Female] --> [false] (confidence: 0.998)
[No] --> [false] (confidence: 1.000)
[Female, No] --> [false] (confidence: 1.000)
[Male, No] --> [false] (confidence: 1.000)
```

## Graph -

