

# **INFS 4203 / 7203 Data Mining Tutorial 2: Association Rules**

## + T2-Q1

Calculate the Support and Confidence of  
"Rule {Apple, Banana -> Donut}"

TID	DATE	ITEM
1	DAY 1	{Apple, Fish, Donut, Banana}
2	DAY 2	{Donut, Banana, Apple, Carrot, Egg}
3	DAY 3	{Carrot, Banana, Apple, Egg}
4	DAY 4	{Banana, Donut, Apple}

## + T2-Q2

Finding all strong association rules with Apriori:

TID	DATE	ITEM
1	DAY 1	{Apple, Fish, Donut, Banana}
2	DAY 2	{Donut, Banana, Apple, Carrot, Egg}
3	DAY 3	{Carrot, Banana, Apple, Egg}
4	DAY 4	{Banana, Donut, Apple}

**Requirement** : min\_sup : 60% & min\_conf : 80%