Part 3: Association Rules

VICTOR

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Data Importation

```
library(arules)
## Loading required package: Matrix
##
## Attaching package: 'arules'
## The following objects are masked from 'package:base':
##
       abbreviate, write
Transactions<- read.csv("http://bit.ly/SupermarketDatasetII",header =T)</pre>
class(Transactions)
## [1] "data.frame"
# Previewing our first 5 transactions
head(Transactions)
                             almonds
                                        avocado
                                                  vegetables.mix green.grapes
                shrimp
## 1
               burgers
                          meatballs
                                           eggs
## 2
               chutney
## 3
                turkey
                             avocado
## 4
         mineral water
                               milk energy bar whole wheat rice
                                                                     green tea
        low fat yogurt
## 6 whole wheat pasta french fries
     whole.weat.flour yams cottage.cheese energy.drink tomato.juice low.fat.yogurt
## 1
## 2
## 3
## 4
## 5
     green.tea honey salad mineral.water salmon antioxydant.juice frozen.smoothie
##
## 1
## 2
## 3
## 4
## 5
## 6
##
   spinach olive.oil
```

1

NA

##	shrimp	almonds	avocado	vegetables.mix
##	Length:7500	Length:7500	Length:7500	Length:7500
##	Class :character	Class :character	Class :character	Class :character
##	Mode :character	Mode :character	Mode :character	Mode :character
##	green.grapes	whole.weat.flour	yams	cottage.cheese
##	Length:7500	Length:7500	Length:7500	Length:7500
##	Class :character	Class :character	Class :character	Class :character
##	Mode :character	Mode :character	Mode :character	Mode :character
##	energy.drink	tomato.juice	low.fat.yogurt	green.tea
##	Length:7500	Length:7500	Length:7500	Length:7500
##	Class :character	Class :character	Class :character	Class :character
##	Mode :character	Mode :character	Mode :character	Mode :character
##	honey	salad	mineral.water	salmon
##	Length:7500	Length:7500	Length:7500	Length:7500
##	Class :character	Class :character	Class :character	Class :character
##	Mode :character	Mode :character	Mode :character	Mode :character
##	antioxydant.juice	frozen.smoothie	spinach	olive.oil
##	Length:7500	Length:7500	Length:7500	Mode:logical
##	Class :character	Class :character	Class :character	NA's:7500
##	Mode :character	Mode :character	Mode :character	