## Apriori Algorithm for Association Rule Mining with Python.

By Lionel Ngobesing Alangeh (2020)

# Bilgisayar Mühendisliği, Fen Bilimleri Enstitüsü. GAZİ ÜNİVERSİTESİ ANKARA, TURKEY

#### **Folder Contents:**

- myapriori.py: Contains code for the Apriori Algorithm for association rule mining.
- dataset.csv: Big dataset containing data for marketing transactions in EXCEL format
- dataset.txt: Big dataset containing data for marketing transactions in TEXT format if needed
- testdataset.csv: Small dataset containing testing data
- output.txt: File containing output of running program if needed
- README.docx

### **Programming tools:**

- Python 3
- PyCharm IDE

#### **Program Function**

- Accept minimum support and minimum confidence from a user as inputs
- Program generates k-itemsets through joining and pruning and displays k-itemset at each step
- Finally program displays various association rules which satisfy minimum support and minimum confidence conditions.

#### **Sample Output**