



AN HONORS UNIVERSITY IN MARYLAND

Department of Computer Science and Electrical Engineering

CMSC 462 – Introduction to Data Science

Assignment 4

Due: 4/12/2023

Total Points - 15

This assignment consists of two parts. For each part, please answer all the questions in a single document. Also submit both the R files. You will find both the datasets in the CourseDataSet folder in Blackboard.

Using Bread Basket dataset, please do the following

1. Find out the descriptive statistics about transactions and list the important distinct items in the dataset. [5]
2. Do a market basket analysis and uncover the association rules. Among the association rules, filter out any rule with "Coffee" on the right-hand side. Next, choose a metrics and using it select top five rules and describe those. Explain the terms support, confidence, and lift.

[10]