



भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI

Data Analytics Lab, M.Tech 3rd Semester

Instructions

1. Upload all your codes to Github.
2. You will be called randomly to explain the code based on which marks/grade will be assigned.

Assignment -7

1. Import any database of transactions of your choice (Groceries' dataset may be preferred. It is predefined in R package)
 - (a) Load required R libraries : arules and arulesViz
 - (b) Apply apriori algorithm and mine the frequent itemsets and association rules. Use the default values of minimum support and minimum confidence.
 - (c) Displays the first 10 strong association rules.
 - (d) Plot the 20 items with highest item frequency.
2. Continue the same with minimum support of 20% and the minimum confidence of 50%.