Ex-3 Visualization of Association Rules

Use the Groceries data, find the frequent itemset and association rules using Apriori Association Algorithm and visualize the results using arulesViz package to do the following:

1. Load the Groceries dataset and apply apriori algorithm with support as 0.005 and confidence as 0.5 the data.
2. Plot the rules generated by the apriori algorithm
3. Group the rules based on order
4. 2D matrix with shading. The following techniques work better with fewer rules for better visualization
5. 3D Matrix visualization
6.   Grouped matrix plot
7. Visualization of rules using Graphs
8. Visualization of rules using parallel coordinates
9. Visualization of one rule using doubledecker plot
10. Itemset Visualization as Graph
11. Itemset Graph visualization with various support values
12. Itemset visualization using parallel coordinates
13. Add more quality measures to the scatterplot
14. Visualization of rules with Left hand side value as whole milk
15. Visualization of rules with Right Hand Side value as Butter
16. Create an item frequency plot for top 20 items