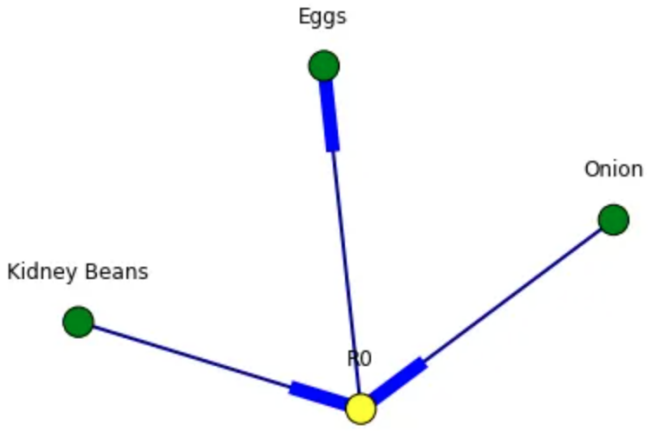
Apriori Analysis Visualization

- NetworkX module for charting association rules: https://intelligentonlinetools.com/blog/2018/02/10/how-to-create-data-visualization-for-association-rules-in-data-mining/
- NetworkX python module represents association rules through a diagram.
- Each diagram represents one rule association and provides arrows that connect the associative products together, please see image below for an example.
- The root node (R0) represents one association rule with incoming and outcoming edges attached to the products. The diagram represents the association between products.
- Please view link above for code.



K-Means Cluster Analysis Visualization

- Visualize K-Means through variance within variables and between clusters: https://towardsdatascience.com/cluster-analysis-create-visualize-and-interpret-customer-segments-474e55d00ebb
- The graph can be implemented through the sklearn.processing model MinMaxScaler dependency.
- An assumption of clustering is that a variable is important in creating the clusters if its average value ordered by the clusters is different among each other variables within that cluster.
- The resulting graph will display the differences of each value within the cluster and which variables hold the most impact in the differences among the clusters.
- Please view the link above for the code.