

Dataset: Amazon 0302 from stanford collection. It is a directed graph dataset.

Traversal: BFS

Covered algorithm: Dijkstra's Algorithm

Complex: Betweenness Centrality

The dataset we are using is the Amazon 0302 set from the Stanford Large Network Dataset Collection. This dataset contains the information about the items customers co-purchased along with a certain specific item. The graph data is directed and unweighted. The traversal we are using is the Breadth First Search algorithm.

The covered algorithm we are using is Dijkstra's algorithm to find the shortest path between two nodes. The uncovered complex algorithm we are using as of now is Betweenness Centrality which measures the centrality of a graph based on shortest paths. Our second choice or back up would be PageRank which allows us to rank the significance of certain items in the graph.