Supply Chain Node Attributes

Sr	Attribute/Feature	Description
1	Name	Name of the SC node
2	ID	Unique ID (str+num)
3	Type	Type of the SC node
4	Location	Location on map
5	Inventory	Does it have inventory to store goods?
6	Inventory Type	Type of the inventory
7	Inventory Replenishment Policy	Replenishment Policy of the inventory
8	Inventory Capacity	Inventory capacity level
9	Inventory Reorder Level	Inventory bank level to avoid stockout
10	Inventory Holding Cost(s)	Inventory holding cost
11	Inventory Reorder Period	Time period to reorder from the supplier
12	Inventory Product(s)	List of products that are stored in the inventory
13	Order Cost	The cost of order placed to the supplier to replenish the inventory
14	Production Cost	Cost to produce some N number of items/products (node-specific attr)
15	Establishment Cost	The cost of establishing this particular node (building and setting up the production plant or setting up the Warehouse)
16	Depreciation Cost	Decrease in product value over time due to wear, tear, or unfavorable market conditions
17	Production Level	The quantity of goods or services produces in a given time period
18	supply reliability	It depends on the number of demand nodes and supply nodes connected
19	node resilience	The resilience of the node depends on the reliability of its supply
20	node criticality	Refers to the importance of the node (e.g. a node that could cut the main flow of product if they are down)

Supply Chain Node Performance Measures

Sr	Performance Measure	Description
1	Throughput	Number of goods sold per unit of time (day/month/quarter)
2	Total sales/net sales	The total number of items sold over a given time period
3	Avg sales	Number of items sold per unit of time (day/month/quarter)
4	Net profit	Net profit generated over a given time period (in the current month/quarter)
5	Avg net profit	Average net profit per time unit (day/month/quarter)
6	Inventory levels	Intermediate inventory levels at given time intervals (daily/monthly)
7	Total node cost	Node cost (includes cost of manufacturing, storing, moving, loading, unloading, and transporting)
8	Avg node cost	Average node cost per unit time