The dataset is historical data, which contains information of an anonymous company’s products for the 8 weeks prior to the week that is going to be predicted.

sku: Stock keeping unit, a unique product identifier

national\_inv: Current inventory level for the product

lead\_time: Transit time for the product

in\_transit\_qty: Amount of the product in transit from source

forecast\_3\_month: Forecast sales for the next 3 months

forecast\_6\_month: Forecast sales for the next 6 months

forecast\_9\_month: Forecast sales for the next 9 months

sales\_1\_month: Sales quantity for the prior 1 month

sales\_3\_month: Sales quantity for the prior 3 months

sales\_6\_month: Sales quantity for the prior 6 months

sales\_9\_month: Sales quantity for the prior 9 months

min\_bank: Minimum recommend amount to stock

potential\_issue: Source issue for part identified; 1 indicates that some issues are identified, and 0 indicates no issue

pieces\_past\_due: Amount overdue from source

perf\_6\_month\_avg: Source performance for the prior 6 months

perf\_12\_month\_avg: Source performance for the prior 12 months

local\_bo\_qty: Amount of stock orders overdue

deck\_risk: Part risk flag; 1 indicates risk identified, and 0 indicates no risk

oe\_constraint: Part risk flag; 1 indicates risk identified, and 0 indicates no risk

ppap\_risk: Part risk flag; 1 indicates risk identified, and 0 indicates no risk

stop\_auto\_buy: Part risk flag; 1 indicates risk identified, and 0 indicates no risk

rev\_stop: Part risk flag; 1 indicates risk identified, and 0 indicates no risk

went\_on\_back\_order: Product actually went on backorder. This is the target value.