

Product and Supplier Analysis

Files loaded successfully!

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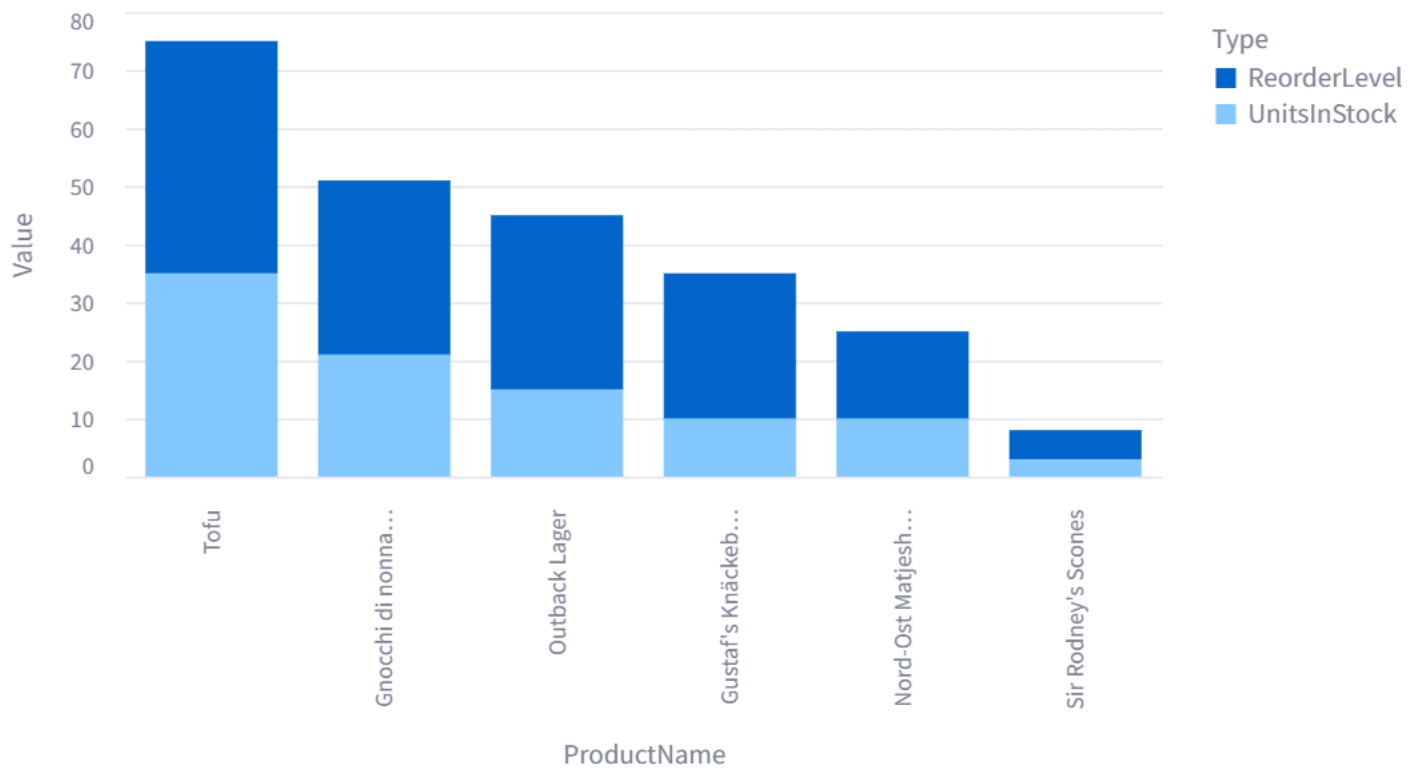
Reorder Products

	ProductName	UnitsInStock	UnitsOnOrder	ReorderLevel	CompanyName
11	Tofu	35	0	40	Mayumi's
17	Sir Rodney's Scones	3	0	5	Specialty Biscuits, Ltd.
18	Gustaf's Knäckebröd	10	0	25	PB Knäckebröd AB
23	Nord-Ost Matjeshering	10	0	15	Nord-Ost-Fisch Handelsgesellschaft
47	Gnocchi di nonna Alice	21	0	30	Pasta Buttini s.r.l.
61	Outback Lager	15	10	30	Pavlova, Ltd.

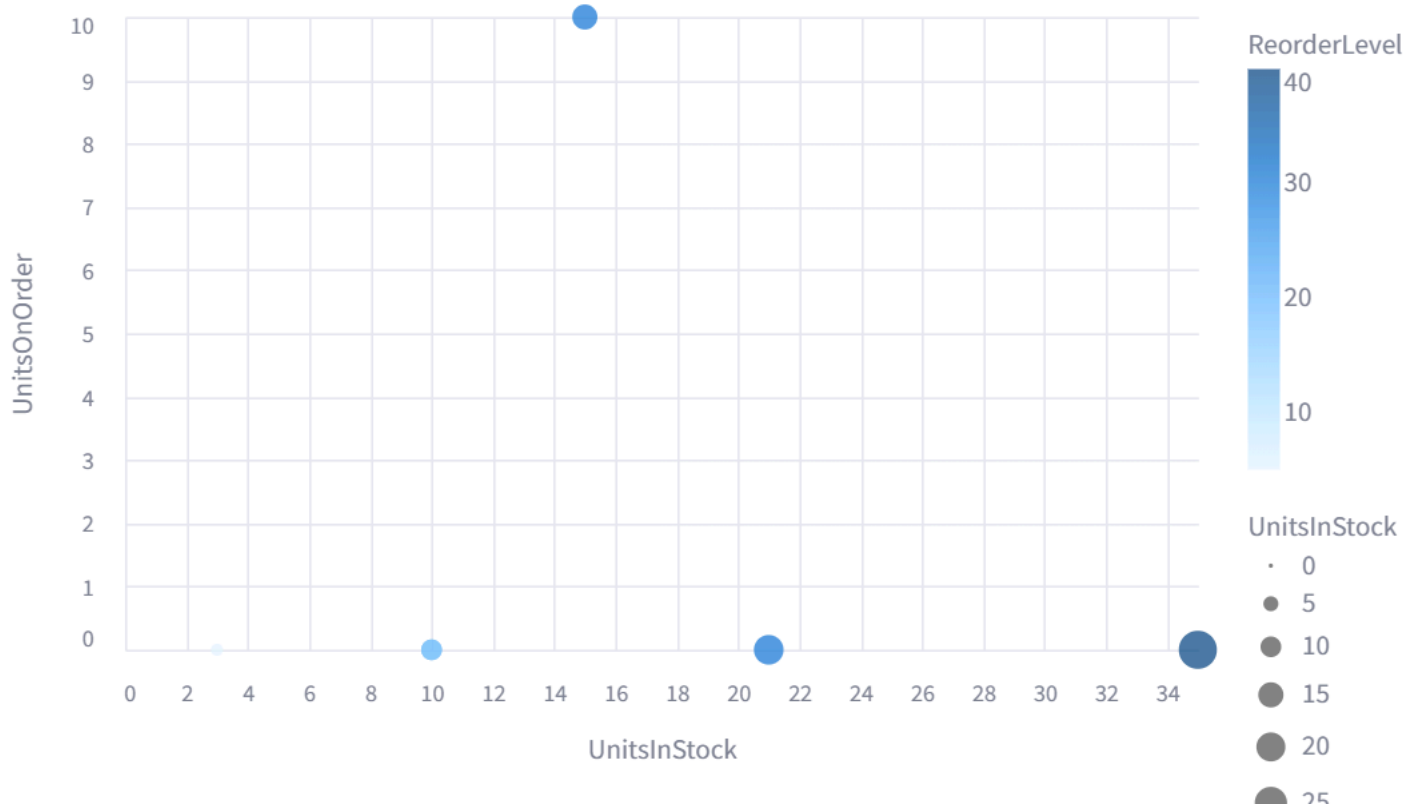
Download Reorder Report as CSV

Insert Data into MongoDB

Units In Stock vs Reorder Level for Reorder Products

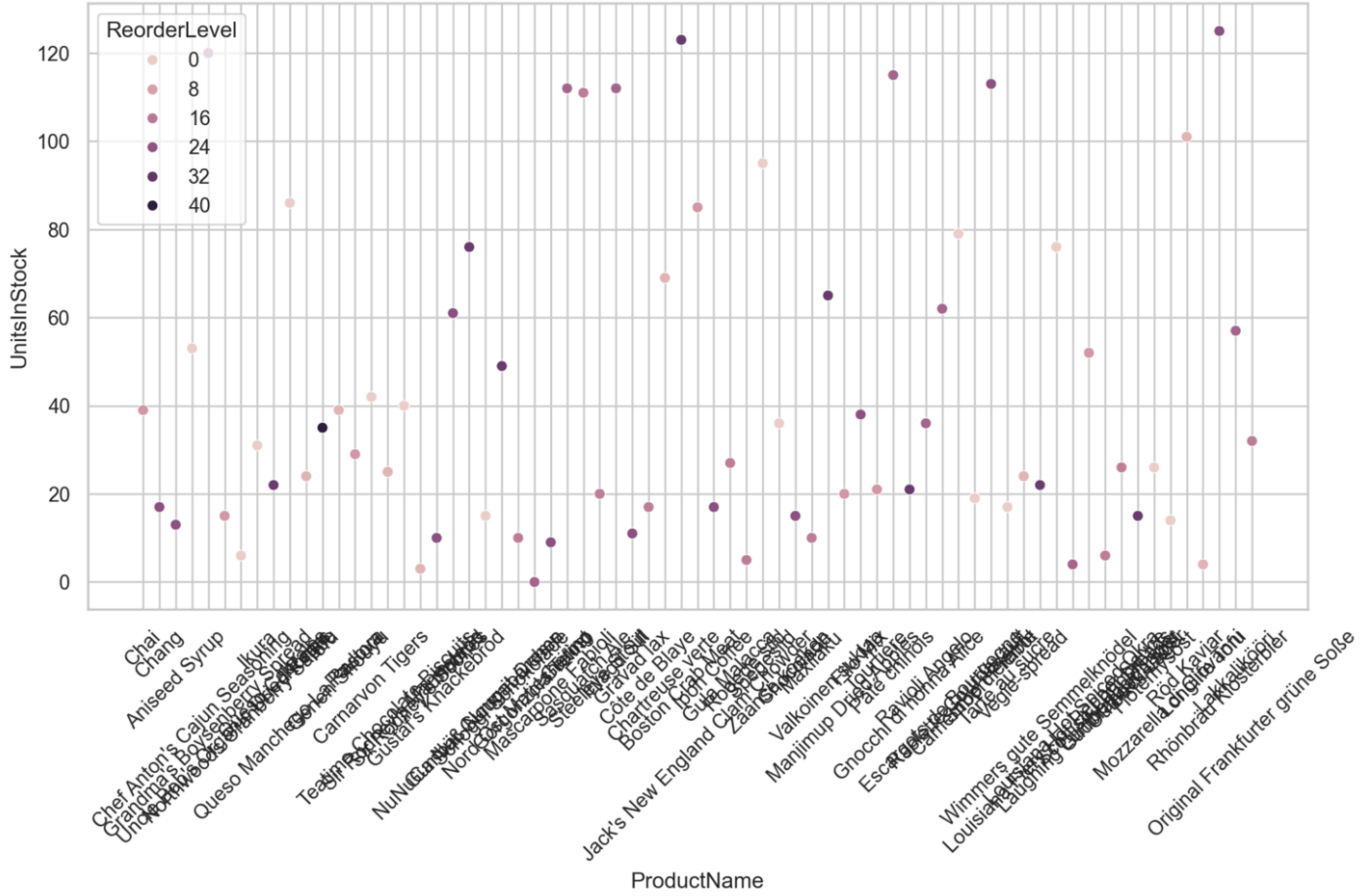


Stock Level vs Units On Order for Reorder Products

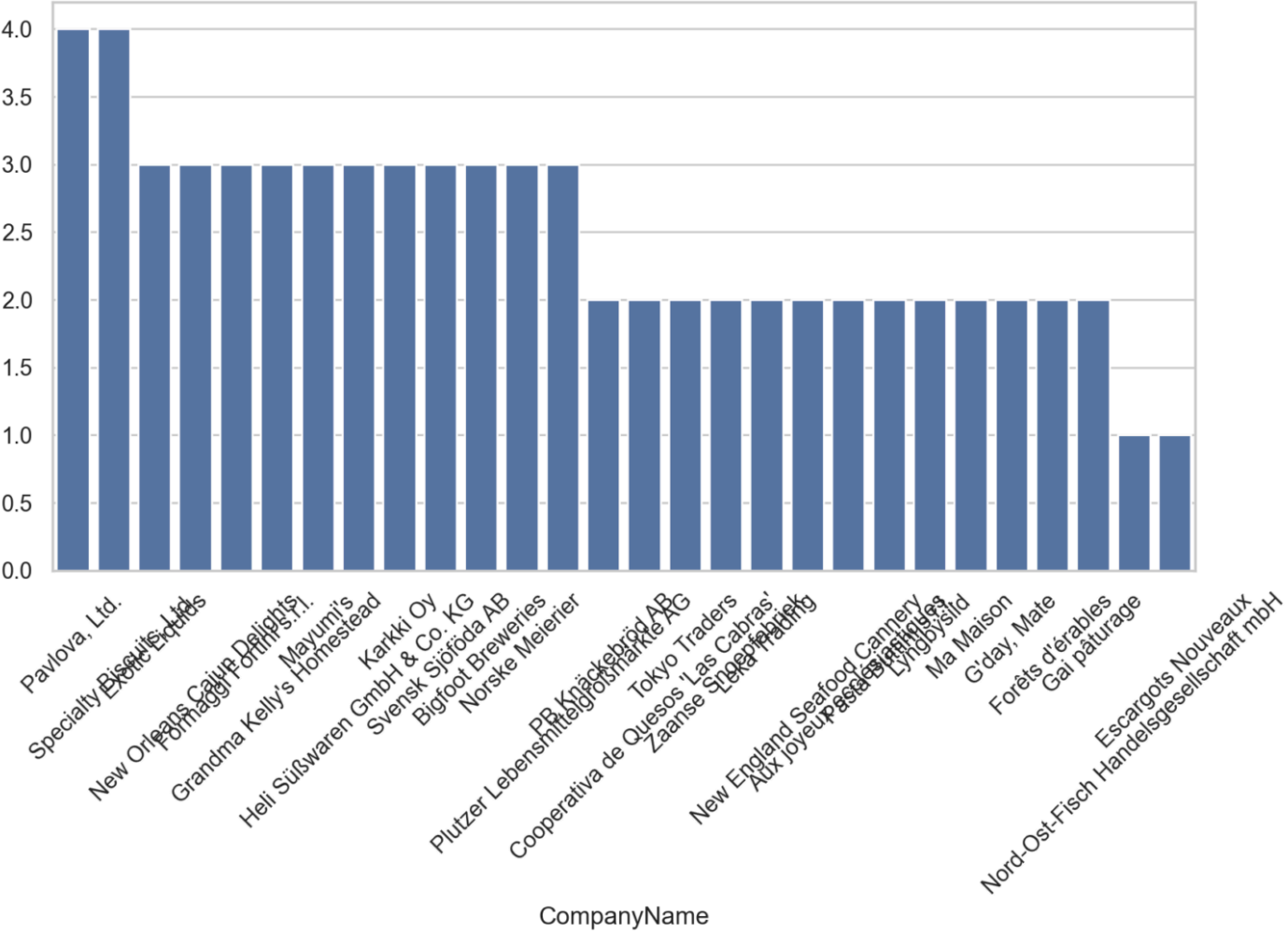


Exploratory Data Analysis (EDA)

Stock Levels vs Reorder Points



Supplier Contribution to Products



The histogram displays the frequency of units in stock across various bins. A normal distribution curve is overlaid, showing that the actual data is skewed to the right, with a higher frequency of lower stock levels than a normal distribution would predict.

UnitsInStock Bin (approx.)	Frequency (approx.)
0-5	10
5-10	8
10-15	12
15-20	15
20-25	18
25-30	15
30-35	5
35-40	8
40-45	10
45-50	2
50-55	2
55-60	5
60-65	2
65-70	2
70-75	2
75-80	10
80-85	0
85-90	5
90-95	2
95-100	0
100-105	2
105-110	3
110-115	10
115-120	5
120-125	2

The chart displays the relationship between the Reorder Level and the current Units In Stock for 50 different products. The Y-axis, labeled 'ReorderLevel', ranges from 0 to 120. The X-axis, labeled 'ProductName', lists the products. The blue line represents the Reorder Level, which is generally constant for each product. The orange line represents the Units In Stock, which varies significantly between products and over time. A legend in the top-left corner identifies the two data series.

ProductName	Reorder Level	Units In Stock
Chai	10	40
Chang	25	15
Aniseed Syrup	25	120
Chef Anton's Cajun Seasoning	25	10
Grandma's Boysenberry Spread	0	10
Uncle Tom's Organic Baking Soda	0	30
Queso Manchego	0	85
Tea Time Chocolate Chips	40	25
Tea Time Chocolate Chips	40	38
Tea Time Chocolate Chips	40	30
Tea Time Chocolate Chips	40	42
Tea Time Chocolate Chips	40	25
Tea Time Chocolate Chips	40	40
Tea Time Chocolate Chips	40	10
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Query MongoDB for Reordered Items