

## **Big Supply Co. Data Tables Schema:**

*BigSupplyCo\_Orders.csv*

This table contains records for all created orders.

180,519 rows & 24 columns. Size: 33.1MB

Data Element	Type	Description
Order Id	int64	The unique order code
Order Item Cardprod Id	int64	The corresponding product code generated through the RFID reader
Order Customer Id	int64	The corresponding customer ID associated with the order
Order Department Id	int64	The corresponding department ID associated with the order
Market	object	Geographic zone where the order will be delivered (Africa, Europe, LATAM, Pacific Asia, USCA)
Order City	object	The destination city for the order
Order Country	object	The destination country for the order
Order Region	object	The destination region for the order
Order State	object	The destination state for the order
Order Status	object	The corresponding order status (Complete, Pending, Closed, Pending Payment, Canceled, Processing, Suspected Fraud, On Hold, Payment Review)
Order Zipcode	float64	The destination zipcode for the order
order date (DateOrders)	object	The date on which the order was placed
Order Item Discount	float64	The corresponding order item's discount value
Order Item Discount Rate	float64	The corresponding order item's discount as a percentage of the item total
Order Item Id	int64	The unique order item code
Order Item Quantity	int64	The quantity of that item in the corresponding order
Sales	float64	The order value in gross sales (prior to any discount)
Order Item Total	float64	The total dollar value of the order (following the application of any discount)
Order Profit Per Order	float64	The total profit from the corresponding order

		(SupplyCo's final cut after backing out discounts and costs)
<b>Type</b>	object	The type of the transaction (Debit, Transfer, Payment, Cash)
<b>Days for shipping (real)</b>	int64	Actual shipping days for the corresponding order
<b>Days for shipment (scheduled)</b>	int64	Scheduled number of days for delivery of the corresponding order
<b>Delivery Status</b>	object	Delivery status for the corresponding order (Advance Shipping, Late Delivery, Shipping Canceled, Shipping on Time)
<b>Late Delivery Risk</b>	int64	Categorical variable that indicates if sending of the order is late (0 indicates shipment was sent on time; 1 indicates shipment was sent late)

#### *BigSupplyCo\_Product.csv*

This table contains a record for each of the products sold by BigSupplyCo.

118 rows & 7 columns. Size: 15KB

Data Element	Type	Description
<b>Product Card Id</b>	int64	Unique product code (matches with Order Item Cardprod Id)
<b>Product Category Id</b>	int64	Unique category code of the corresponding product
<b>Product Description</b>	float64	A brief description of the product
<b>Product Image</b>	object	Link to a picture of the corresponding product
<b>Product Name</b>	object	The name of the corresponding product
<b>Product Price</b>	float64	The price of the corresponding product
<b>Product Status</b>	int64	BigSupplyCo's stock status for the corresponding product (0 if the product is available; 1 if the product is not available)

#### *BigSupplyCo\_Customer.csv*

This table contains a record for each of BigSupplyCo's customers.

20,653 rows & 11 columns. Size: 2MB

Data Element	Type	Description
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<b>Customer Id</b>	int64	Unique customer code (matches with Order Customer Id)
<b>Customer City</b>	object	The city where the customer made the corresponding purchase
<b>Customer Country</b>	object	The country where the customer made the corresponding purchase
<b>Customer Email</b>	object	Customer's email
<b>Customer Fname</b>	object	Customer's first name
<b>Customer Lname</b>	object	Customer's last name
<b>Customer Password</b>	object	Masked customer password
<b>Customer Segment</b>	object	Type of customer on the corresponding purchase (Consumer, Corporate, Home Office)
<b>Customer State</b>	object	State where the customer made the corresponding purchase
<b>Customer Street</b>	object	Street address where the customer made the corresponding purchase
<b>Customer Zipcode</b>	float64	Zipcode where the customer made the corresponding purchase

#### *BigSupplyCo\_Department.csv*

This table contains a record for each of BigSupplyCo's department stores where customers can make a purchase.

*41,956 rows & 4 columns. Size: 1.5MB*

Data Element	Type	Description
<b>Department Id</b>	int64	Unique department code (matches with Order Department Id)
<b>Department Name</b>	object	The name of the corresponding department store
<b>Latitude</b>	float64	Latitude of the corresponding department store
<b>Longitude</b>	float64	Longitude of the corresponding department store

#### *BigSupplyCo\_Categories.csv*

This table contains a record for each of BigSupplyCo's department stores where customers can make a purchase.

*51 rows & 2 columns. Size: 883 bytes*

Data Element	Type	Description
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<b>Category Id</b>	int64	Unique category code (matches with Product Category Id)
<b>Category Name</b>	object	The name of the corresponding product category

Citation for data:

Constante, Fabian; Silva, Fernando; Pereira, António (2019), "DataCo SMART SUPPLY CHAIN FOR BIG DATA ANALYSIS", Mendeley Data, V5, doi: 10.17632/8gx2fvg2k6.5