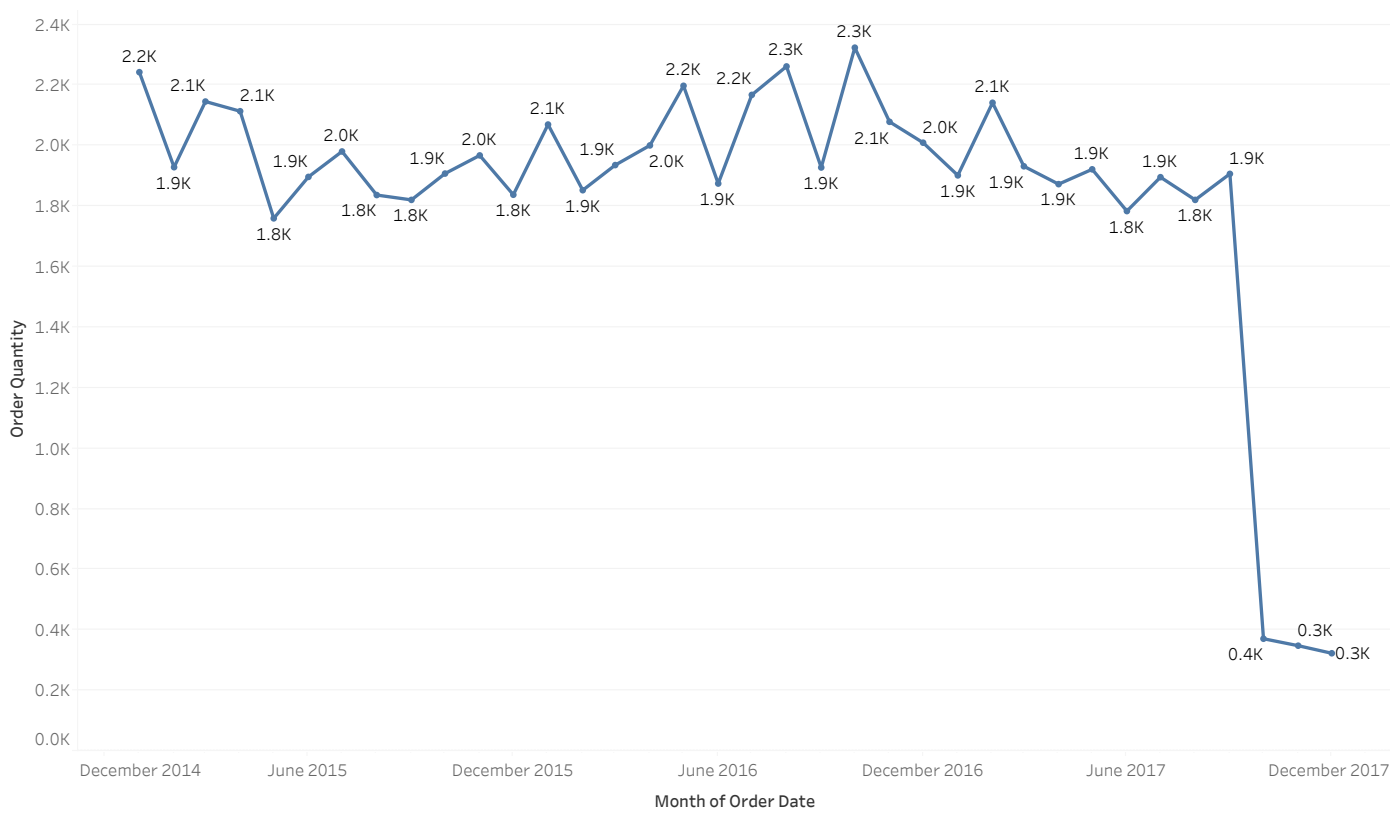


Setting up the data model

Count of orders_and_shipments.csv	30,871
Distinct count of Order ID	11,072
Distinct count of Order Item ID	30,871

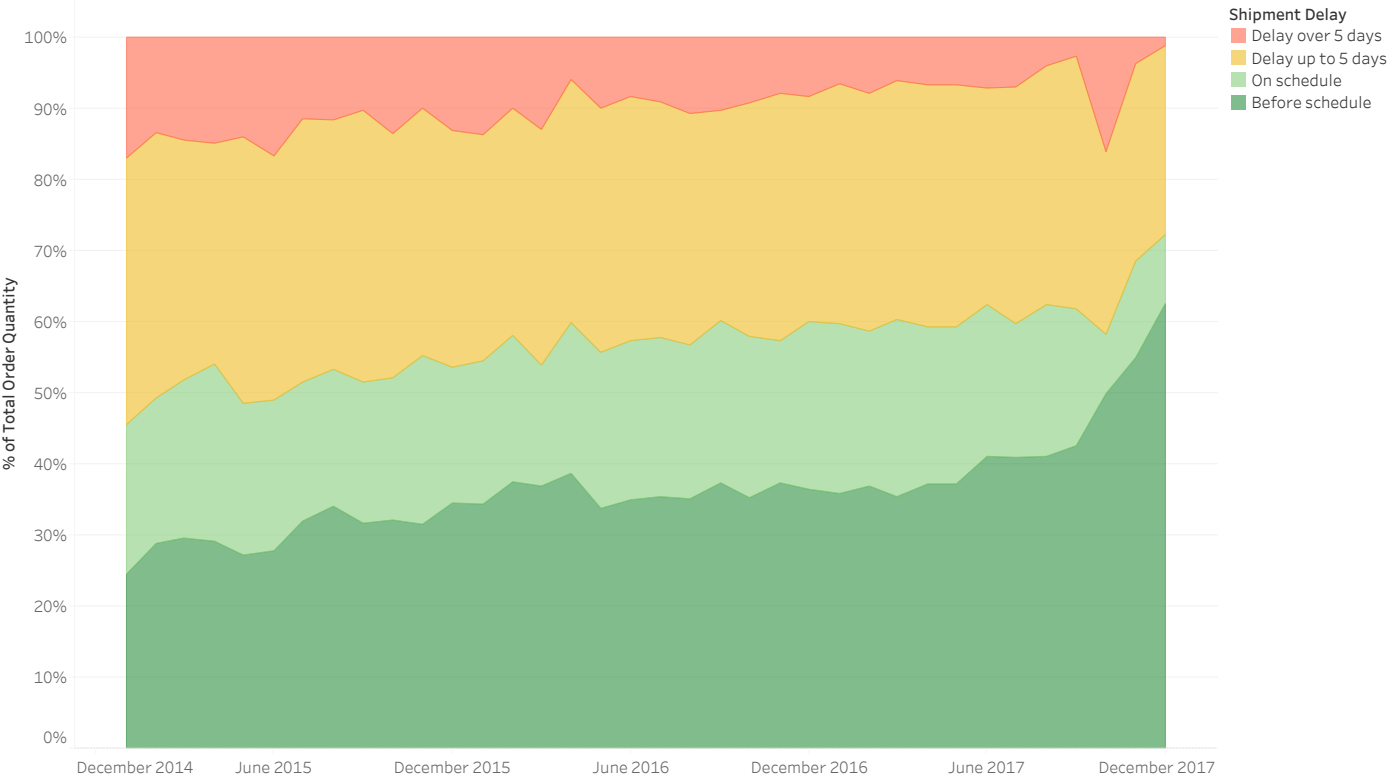
Distinct count of Order ID, distinct count of Order Item ID and count of orders_and_shipments.csv.

Visualizing orders



The trend of sum of Order Quantity for Order Date Month.

Investigating shipments



The plot of % of Total Order Quantity for Order Date Month. Color shows details about Shipment Delay. The data is filtered on Warehouse Country, which keeps Puerto Rico and USA. The view is filtered on % of Total Order Quantity, which keeps non-Null values only.

% of Delayed Orders

61.0%

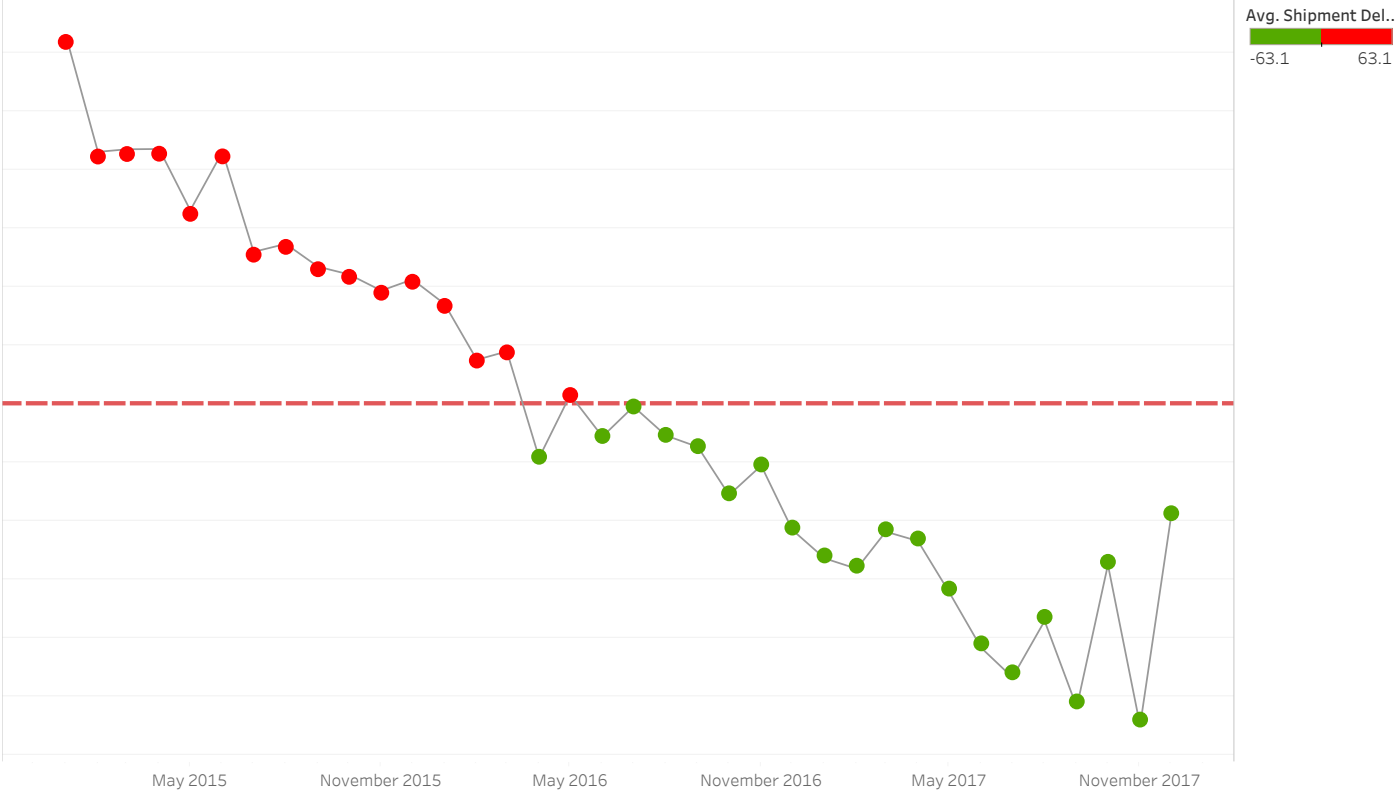
% of Delayed Orders. The data is filtered on Warehouse Country and Action (MONTH(Order Date)). The Warehouse Country filter keeps Puerto Rico and USA. The Action (MONTH(Order Date)) filter keeps 36 members.

Shipment Delay (days)

0.5 day(s)

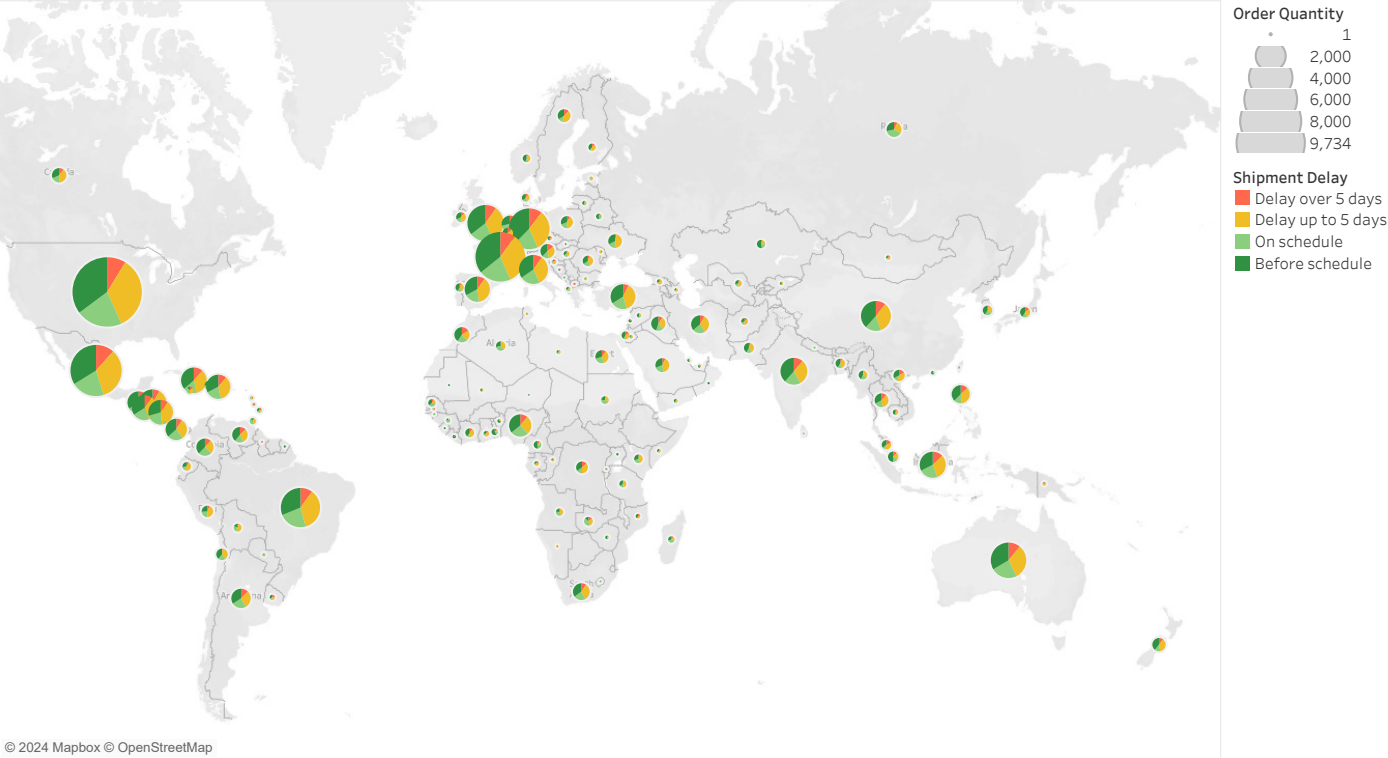
Average of Shipment Delay (days). The data is filtered on Warehouse Country and Action (MONTH(Order Date)). The Warehouse Country filter keeps Puerto Rico and USA. The Action (MONTH(Order Date)) filter keeps 36 members.

Delays evolution



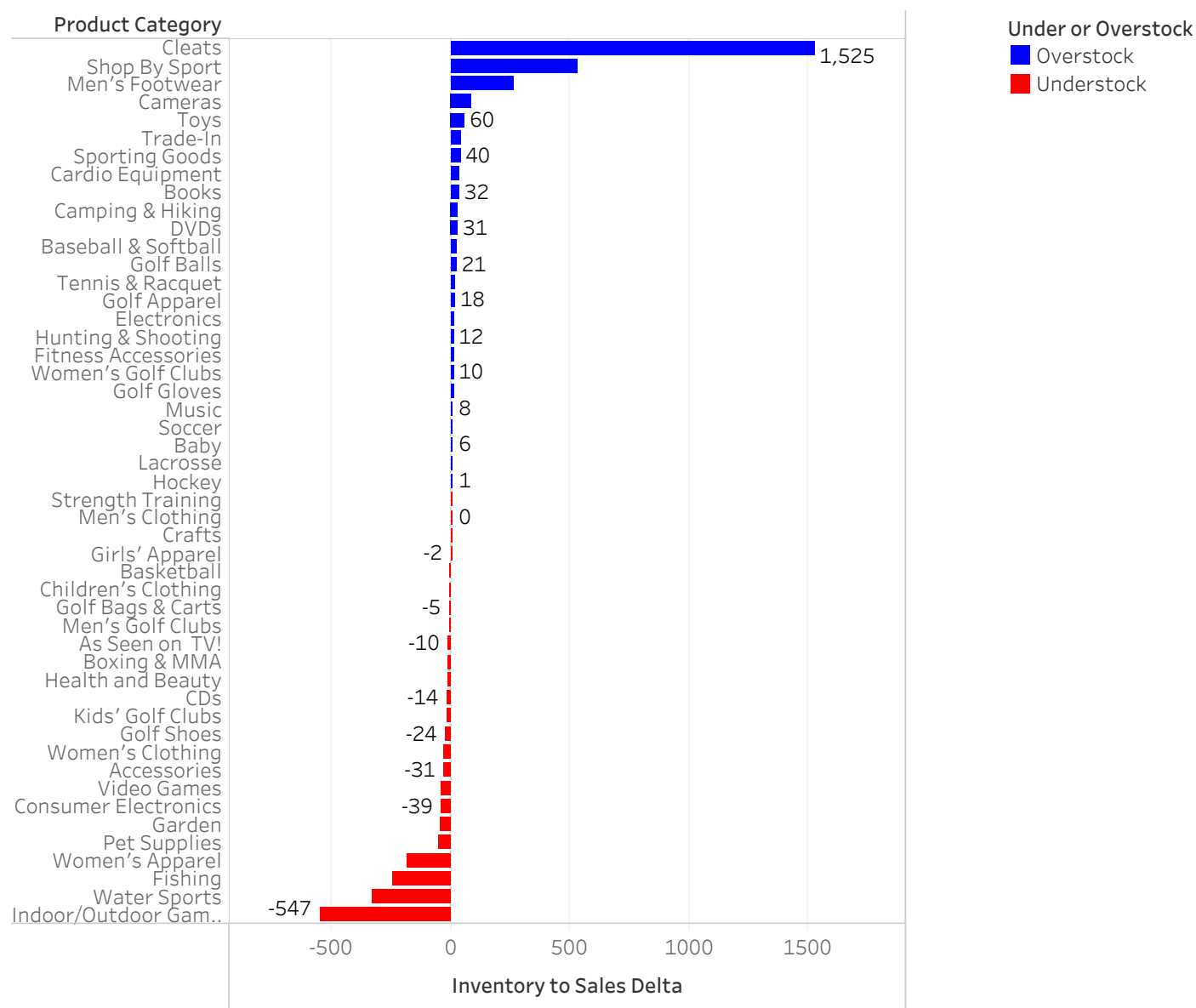
The trends of average of Shipment Delay (days) and average of Shipment Delay (days) for Order Date Month. For pane Average of Shipment Delay (days) (2): Color shows average of Shipment Delay (days). The data is filtered on Warehouse Country, which keeps Puerto Rico and USA.

Markets with delays



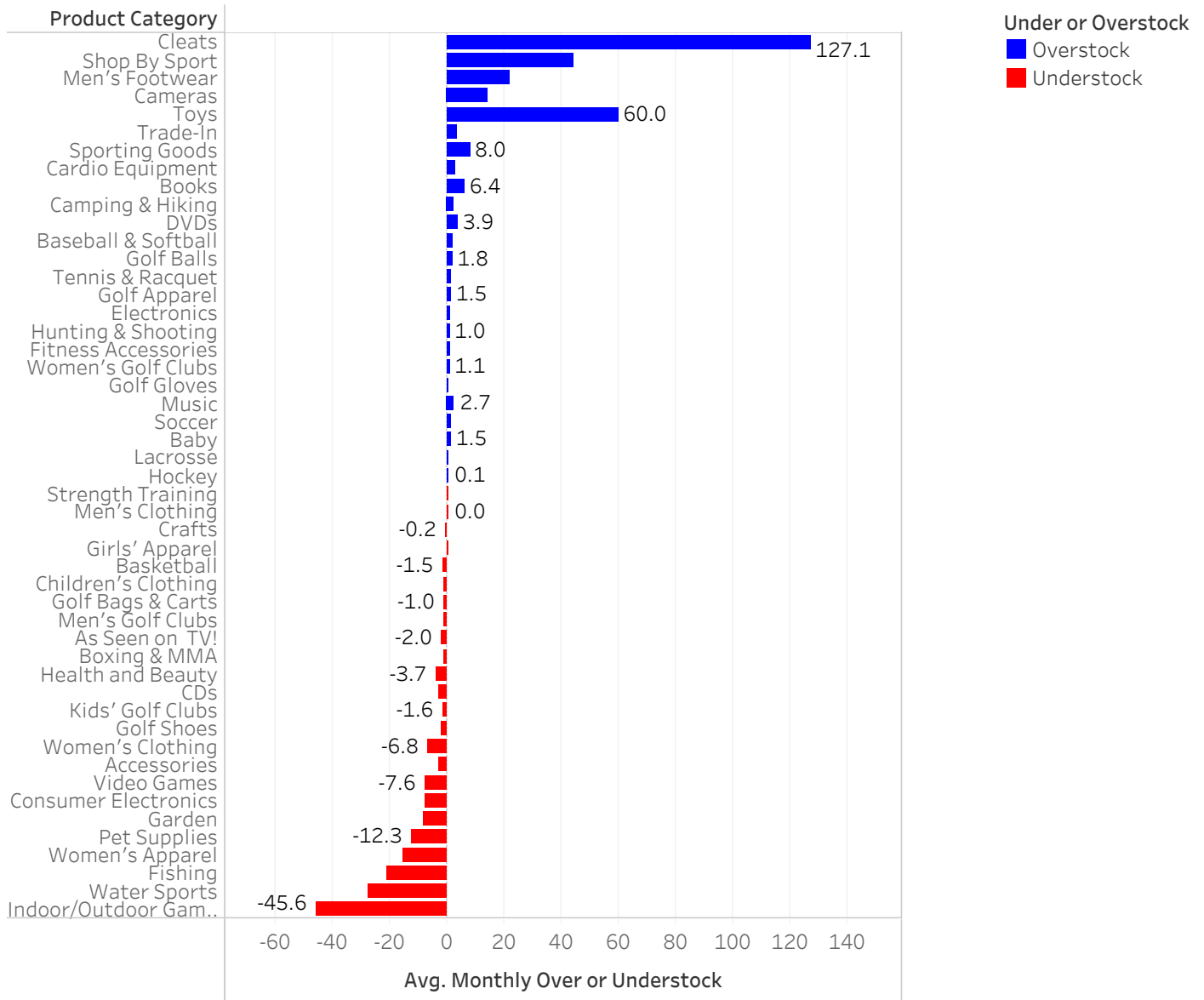
Map based on Longitude (generated) and Latitude (generated). Color shows details about Shipment Delay. Size shows sum of Order Quantity. Details are shown for Customer Country. The view is filtered on Customer Country, which keeps 139 of 139 members.

Inventory levels



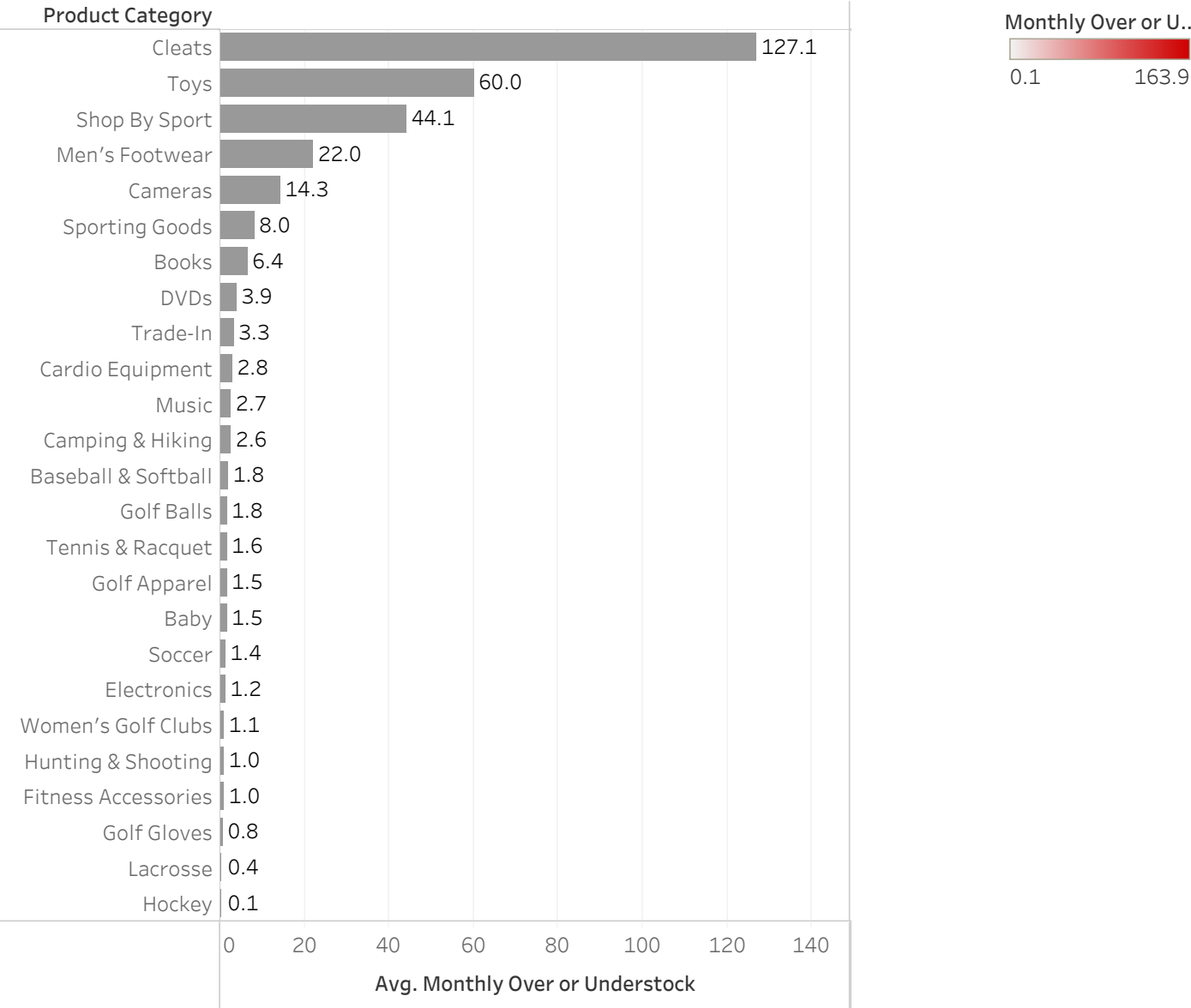
Inventory to Sales Delta and average of Monthly Over or Understock for each Product Category. Color shows details about Under or Overstock. The view is filtered on average of Monthly Over or Understock, which keeps non-Null values only.

Inventory levels



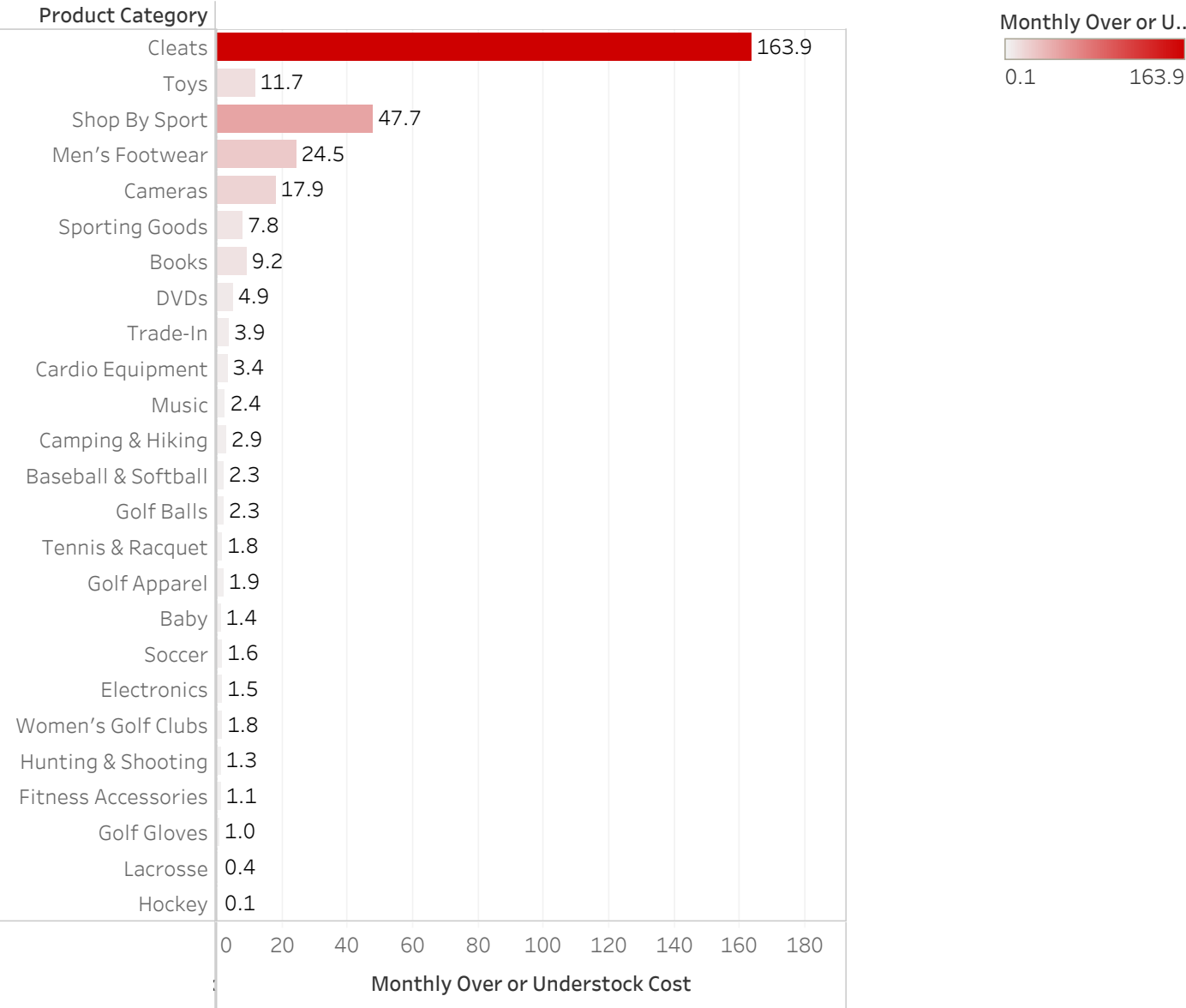
Inventory to Sales Delta and average of Monthly Over or Understock for each Product Category. Color shows details about Under or Overstock. The view is filtered on average of Monthly Over or Understock, which keeps non-Null values only.

Overstock



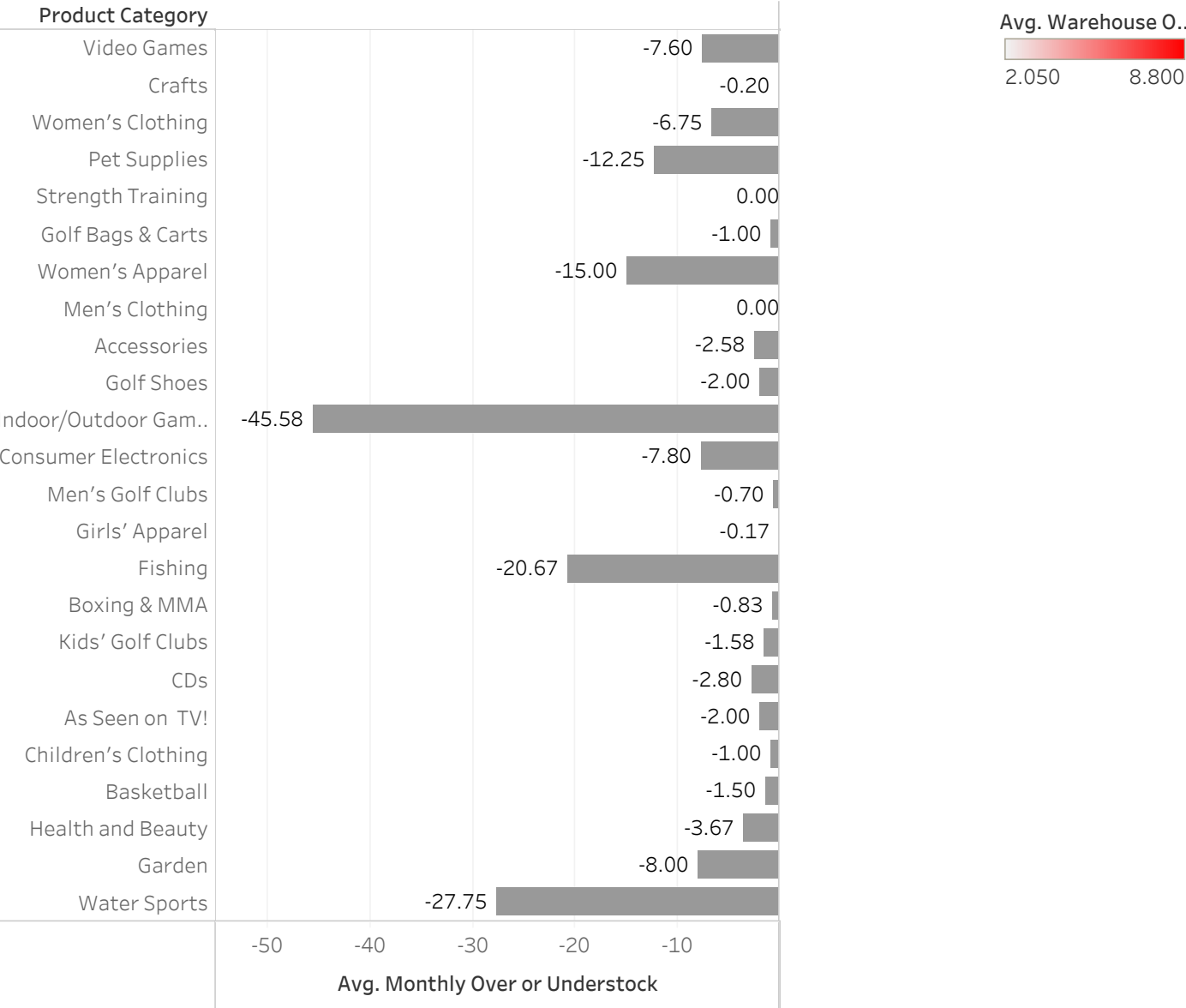
Average of Monthly Over or Understock and Monthly Over or Understock Cost for each Product Category. For pane Monthly Over or Understock Cost: Color shows Monthly Over or Understock Cost. The data is filtered on Under or Overstock, which keeps Overstock. The view is filtered on average of Monthly Over or Understock, which keeps non-Null values only.

Overstock



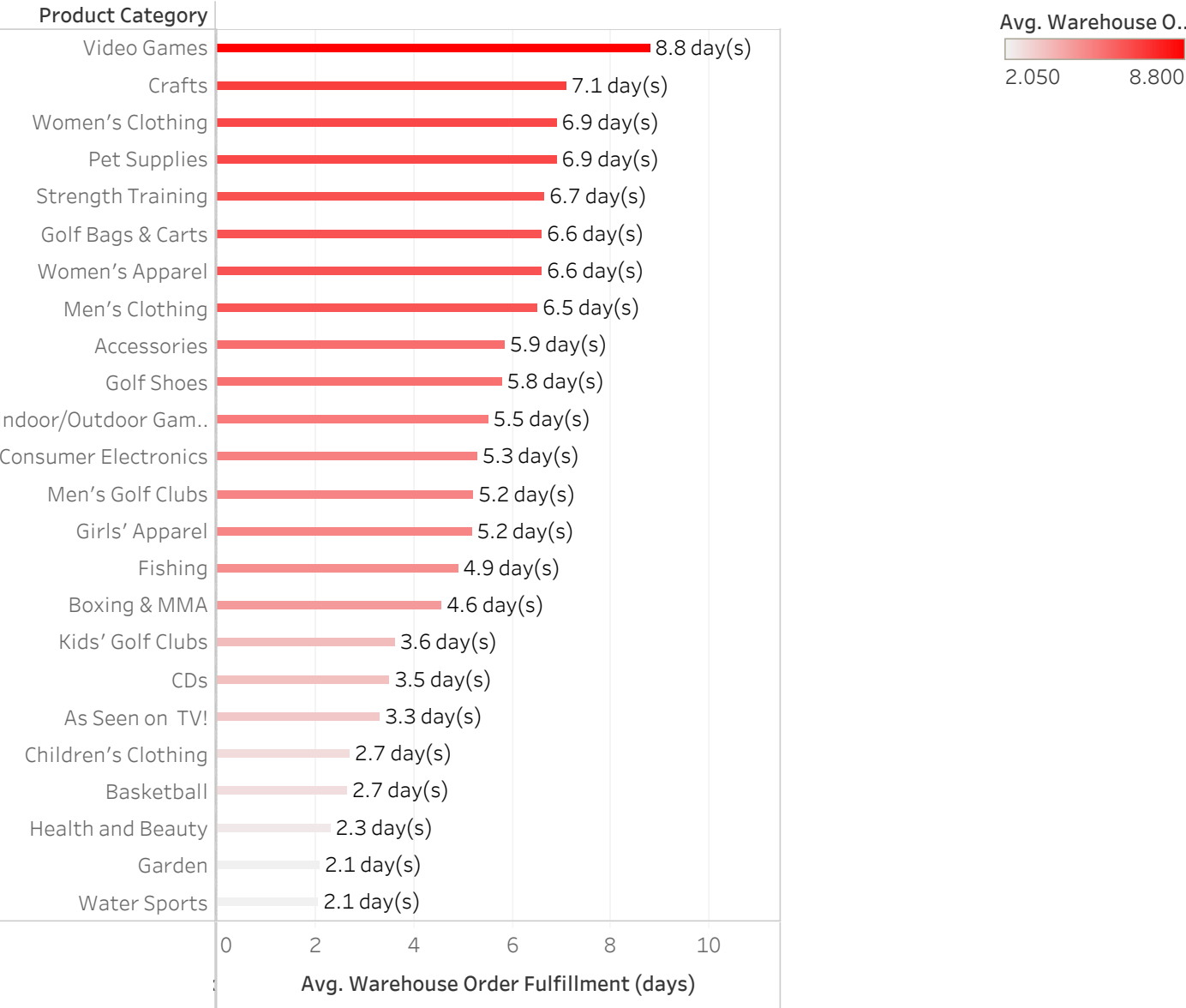
Average of Monthly Over or Understock and Monthly Over or Understock Cost for each Product Category. For pane Monthly Over or Understock Cost: Color shows Monthly Over or Understock Cost. The data is filtered on Under or Overstock, which keeps Overstock. The view is filtered on average of Monthly Over or Understock, which keeps non-Null values only.

Average fulfillment days per Product



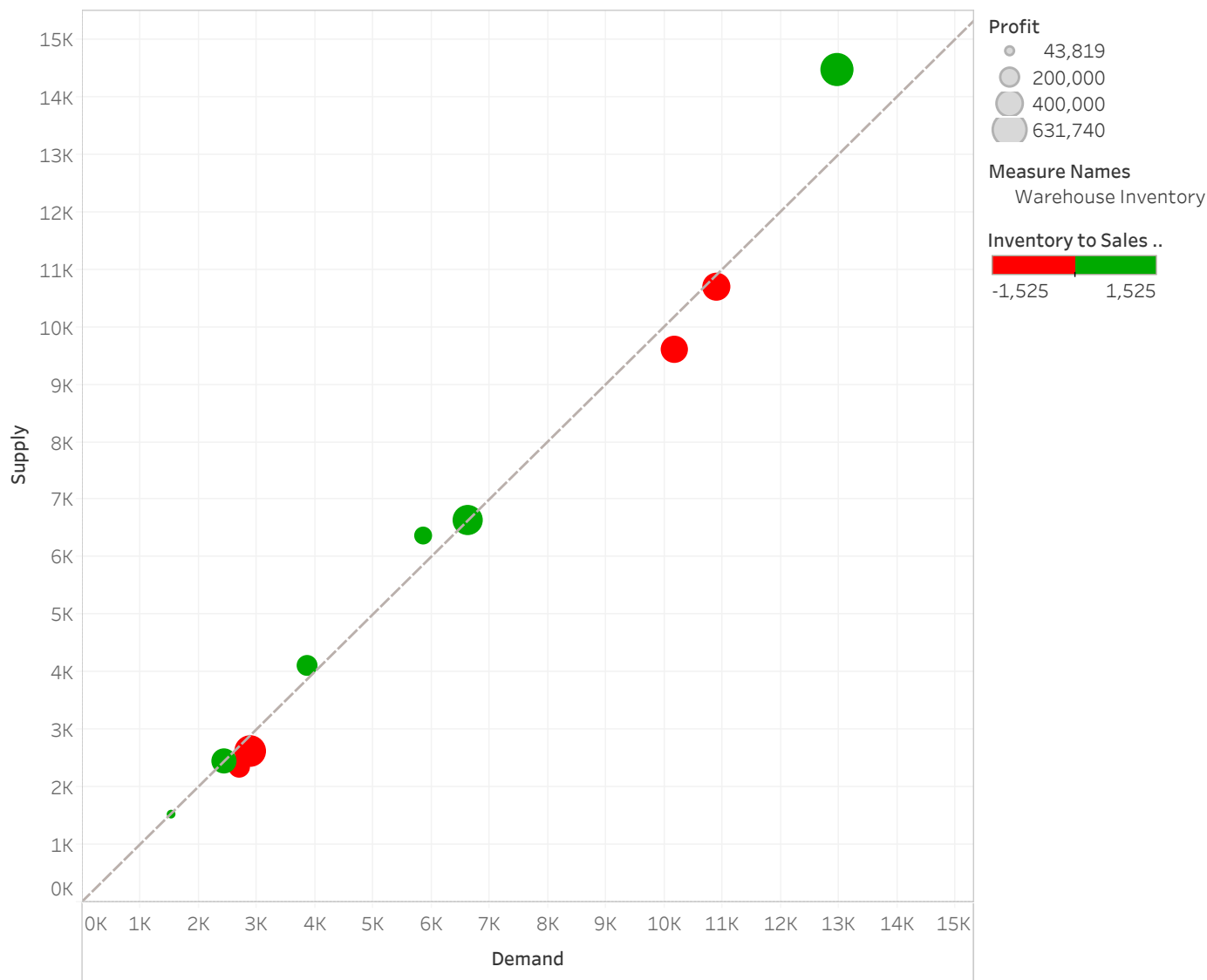
Average of Monthly Over or Understock and average of Warehouse Order Fulfillment (days) for each Product Category. For pane Average of Warehouse Order Fulfillment (days): Color shows average of Warehouse Order Fulfillment (days). The data is filtered on Under or Overstock, which keeps Understock. The view is filtered on average of Monthly Over or Understock, which keeps non-Null values only.

Average fulfillment days per Product



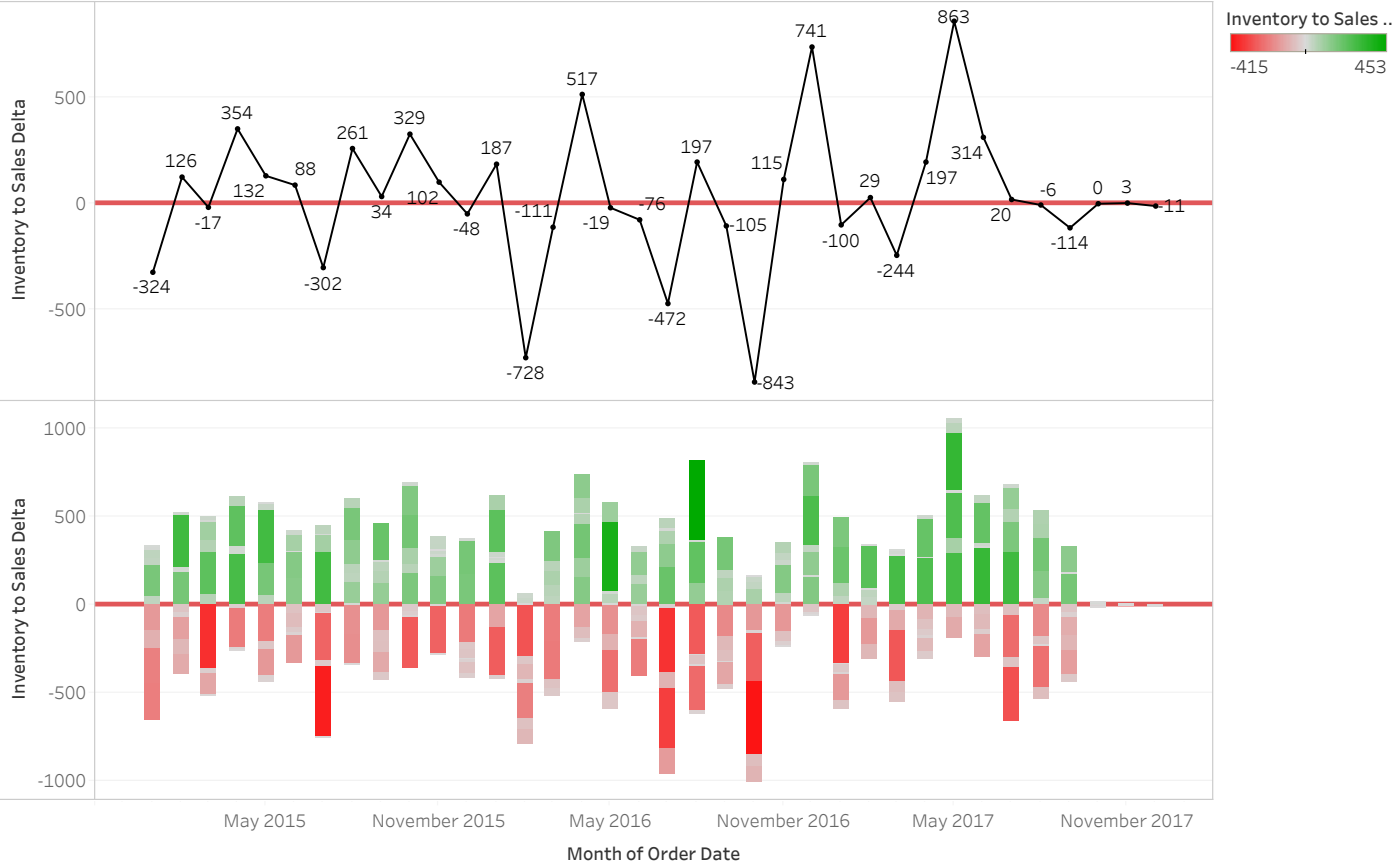
Average of Monthly Over or Understock and average of Warehouse Order Fulfillment (days) for each Product Category. For pane Average of Warehouse Order Fulfillment (days): Color shows average of Warehouse Order Fulfillment (days). The data is filtered on Under or Overstock, which keeps Understock. The view is filtered on average of Monthly Over or Understock, which keeps non-Null values only.

Supply and Demand



Sum of Order Quantity and Warehouse Inventory vs. Warehouse Inventory. Details are shown for Product Category. For pane Sum of Order Quantity: Color shows Inventory to Sales Delta. Size shows sum of Profit. For pane Sum of Warehouse Inventory: Color shows details about Warehouse Inventory. The view is filtered on sum of Order Quantity and Product Category. The sum of Order Quantity filter keeps non-Null values only. The Product Category filter keeps 10 of 50 members.

Stock levels - top 10 product categories.

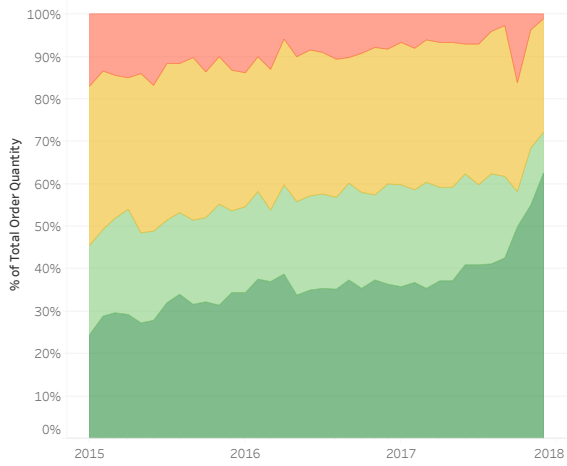


The trends of Inventory to Sales Delta and Inventory to Sales Delta for Order Date Month. For pane Inventory to Sales Delta (2): Color shows Inventory to Sales Delta. Details are shown for Product Category. The data is filtered on Action (Product Category), which keeps 50 members. The view is filtered on Order Date Month and Product Category. The Order Date Month filter keeps non-Null values only. The Product Category filter keeps 10 of 50 members.

% of Delayed Orders

61.0%

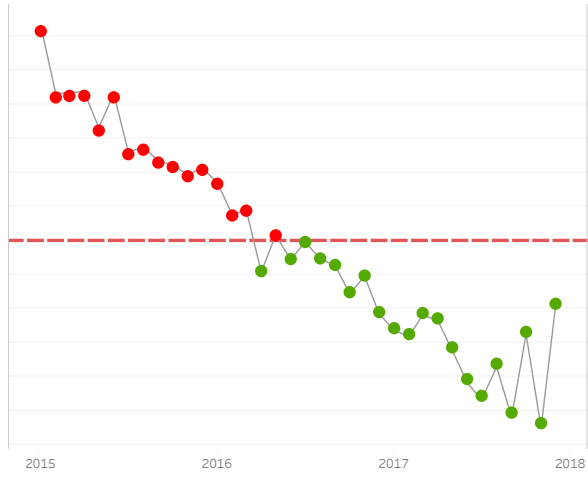
Investigating shipments



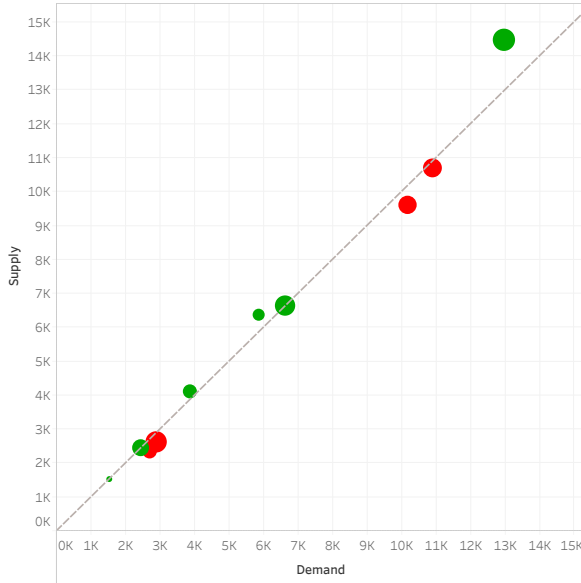
Shipment Delay (days)

0.5 day(s)

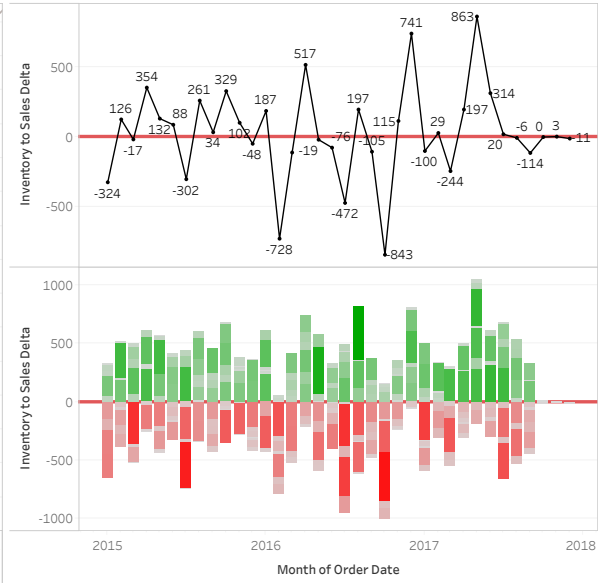
Delays evolution



Supply and Demand



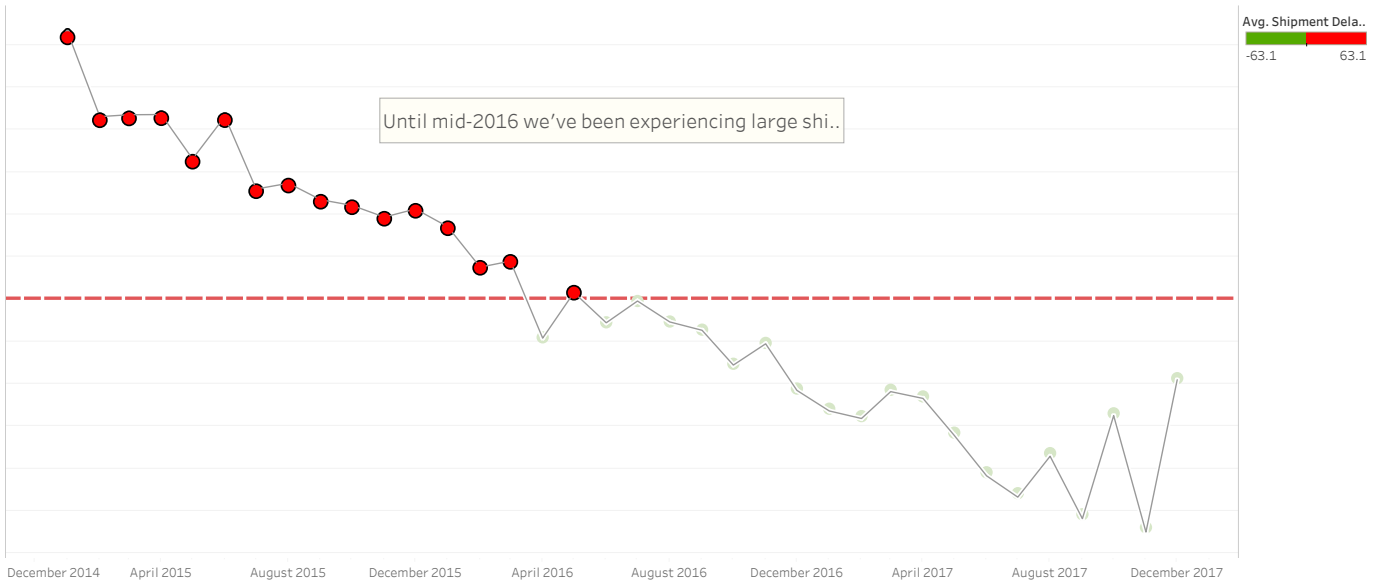
Stock levels - top 10 product categories.



Our findings so far

Until mid-2016 shipments were largely delayed.

Some of our Product Categories are severely understocked.



Our findings so far

