Fourth Homework
Business Intelligence Short Course
Batch 2
Rakamin Academy

Tableau

Yohanes Setiawan

I am Yohanes Setiawan

Suppose I am a Logistic Staff in

Global Superstore.

I need to increase our service in which of cost and time to ship of the sent products.

Therefore, I would like to analyse what needs to be improved.

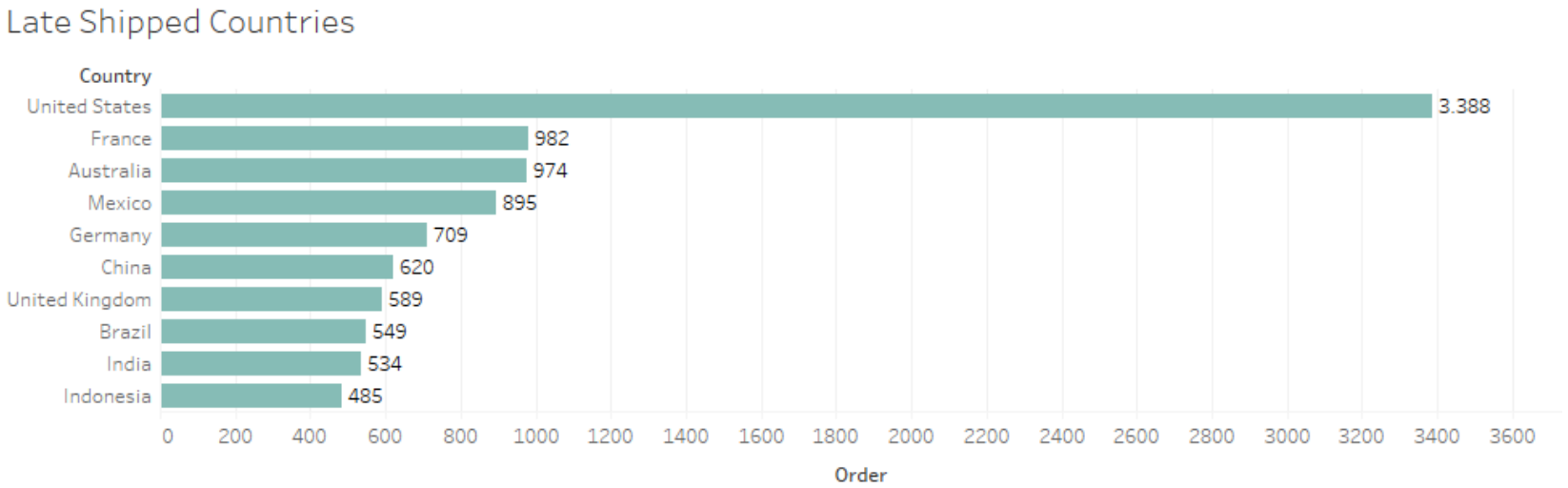
I would be using graph analysis using Tableau.

Case 1 – Problem

Which country has the most count of orders with is sent more than normal time to ship?

(Normal time to ship = 3 days)

Case 1 – Graph



Distinct count of Order ID for each Country. The context is filtered on Time To Ship, which includes values greater than or equal to 4. The view is filtered on Country, which keeps 10 of 233 members.

Case 1 – Brief Explanation

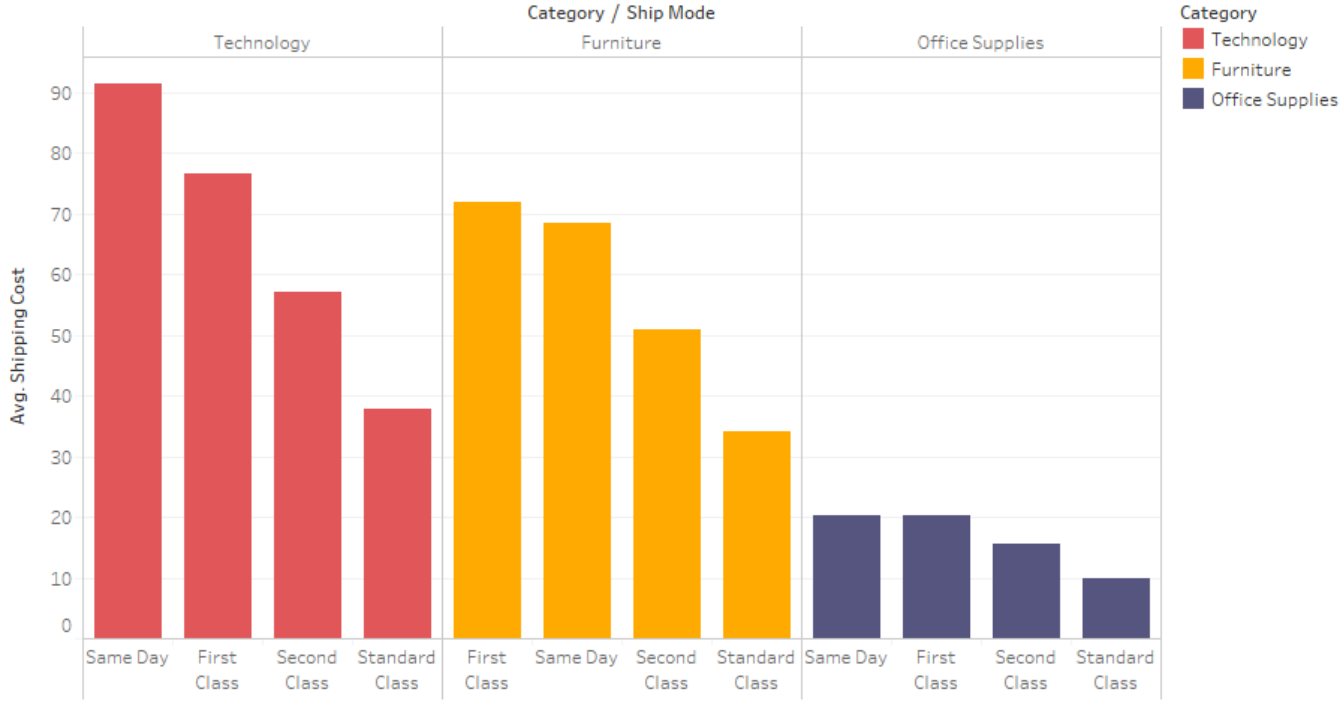
- US is the most count of orders country with is sent lately

Case 2 – Problem

Determine the type of product and its shipping mode with the highest shipping cost!

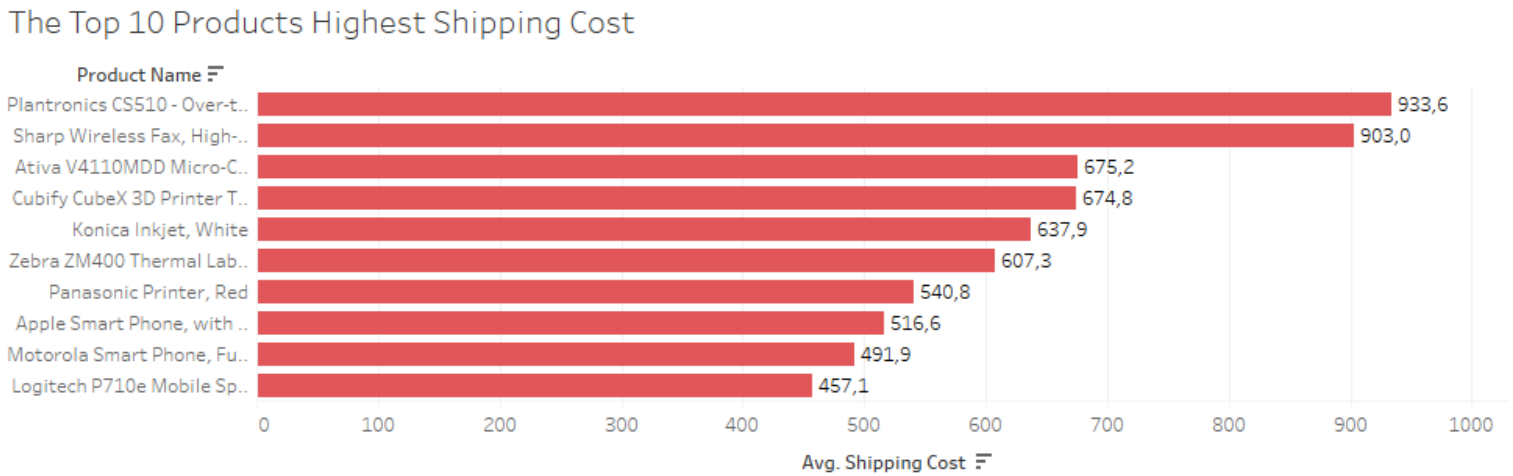
Case 2 – Graph

Category and Shipping Cost



Average of Shipping Cost for each Ship Mode broken down by Category. Color shows details about Category.

Case 2 – Graph


The Top 10 Products Highest Shipping Cost
Product Name
Plantronics CS510 - Over-t..
Sharp Wireless Fax, High-..
Ativa V4110MDD Micro-C..
Cubify CubeX 3D Printer T..
Konica Inkjet, White
Zebra ZM400 Thermal Lab..
Panasonic Printer, Red
Apple Smart Phone, with ..
Motorola Smart Phone, Fu..
Logitech P710e Mobile Sp..
933,6
903,0
675,2
674,8
637,9
607,3
540,8
516,6
491,9
457,1
0
100
200
300
400
500
600
700
800
900
1000
Avg. Shipping Cost

Case 2 – Brief Explanation

- Plantronics CS510 - Over-the-Head monaural Wireless Headset System with Same Day Shipping Mode has been the highest shipping cost order

Case 3 – Problem

Create Calculated Field which separates between early, normal, and late order!

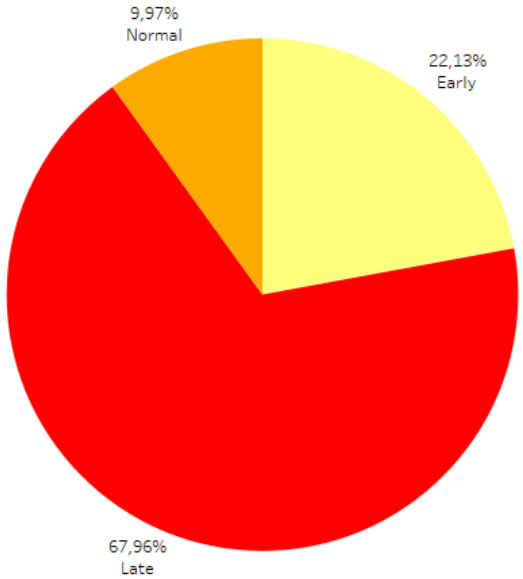
Case 3 – Graph

Order Shipping Status

```
IF [Time To Ship] < 3
THEN 'Early'
ELSEIF [Time To Ship] == 3
THEN 'Normal'
ELSE 'Late'
END
```

The calculation is valid. 1 Dependency Apply OK

Order Shipping Status



Case 4 – Problem

In 2015, how many orders were shipped lately (>= 3 days)?

Case 4 – Graph

Time To Ship in 3 Days or More in 2015

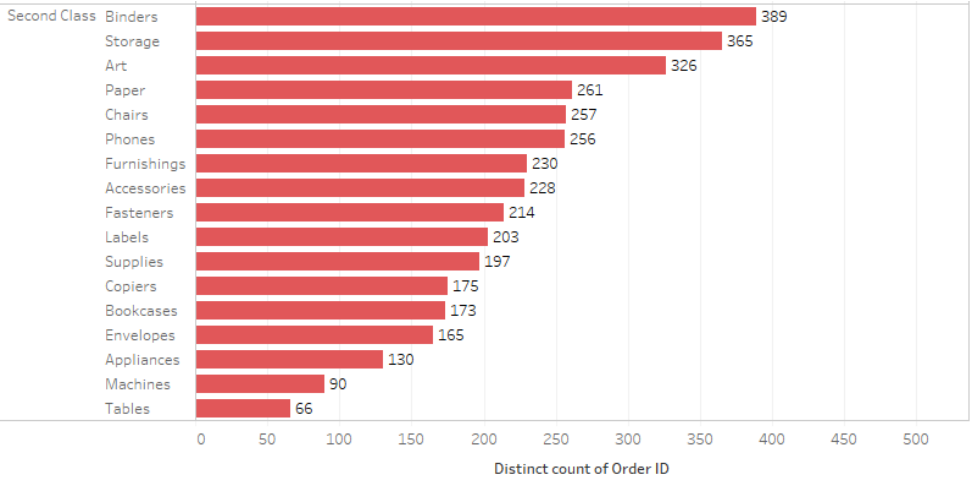
6.947

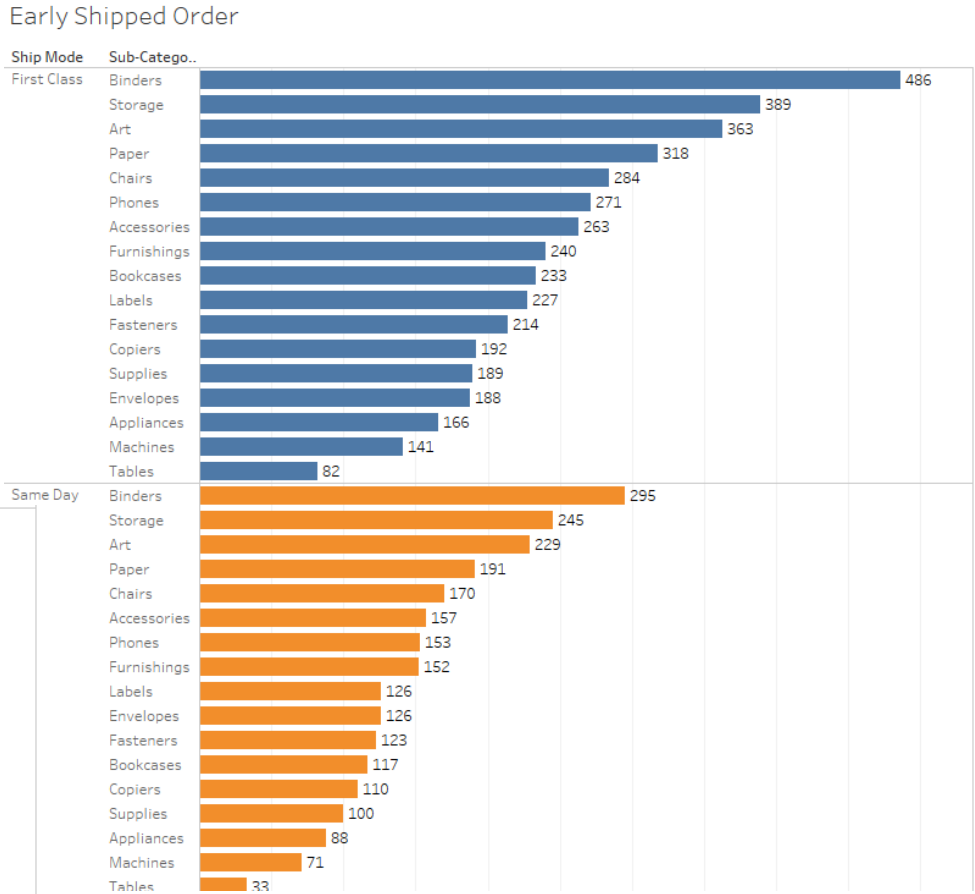
Distinct count of Order ID. The context is filtered on Time To Ship and Order Date Year. The Time To Ship filter includes values greater than or equal to 3. The Order Date Year filter keeps 2015.

Case 5 – Problem

Identify the sub-category and ship mode which have the amount of earlier shipped orders (<2 days)

Case 5 – Graph





Distinct count of Order ID for each Sub-Category broken down by Ship Mode. Color shows details about Ship Mode. The context is filtered on Time To Ship, which includes values less than or equal to 2.

Case 5 – Brief Explanation

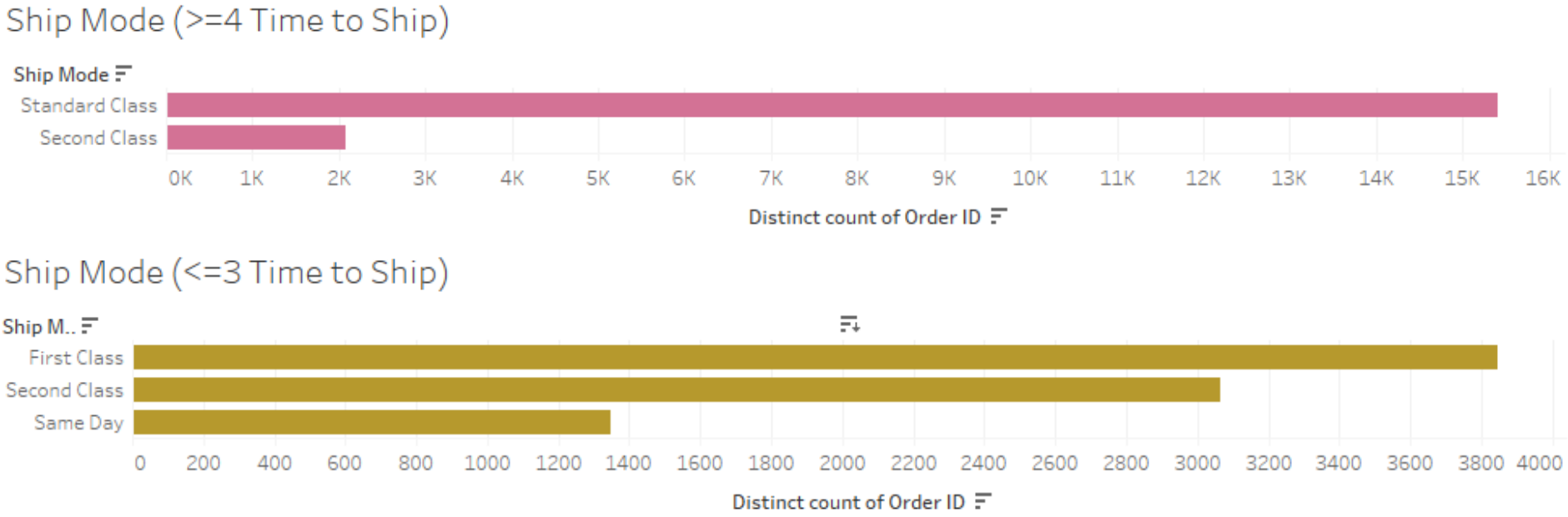
- Binders and First Class have been the sub-category and ship mode which have the amount of earlier shipped orders, respectively

Case 6 – Problem

Identify types of shipment mode which do not have late shipped order

(Time to Ship >= 4 days is considered as Late Shipped Order)

Case 6 – Graph


Ship Mode (>=4 Time to Ship)
Ship Mode
Standard Class
Second Class
0K
1K
2K
3K
4K
5K
6K
7K
8K
9K
10K
11K
12K
12K
13K
14K
15K
16K
Distinct count of Order ID
Ship Mode (<=3 Time to Ship)
Ship M..
First Class
Second Class
Same Day
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
3200
3400
3600
3800
4000
Distinct count of Order ID

Case 6 – Brief Explanation

- Second Class has both of late and not late shipped order
- Therefore, First Class and Same Day do not have late shipped order

Case 7 – Problem

From Category: Furniture, compute its percentage of Late Shipped Orders!

(Time to Ship >=4)

Case 7 – Graph

Late Shipped Furniture

5.658

68,82%

Distinct count of Order ID and Percentage. The context is filtered on Category, which keeps Furniture. The data is filtered on Time To Ship, which includes values greater than or equal to 4.

Thank You!

Credits: