SPEED MATTERS

How Q can ship the right products at the right time to its customers

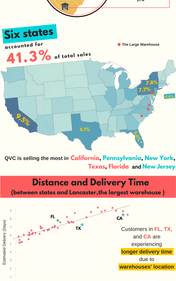
The Importance of E-Commerce

According to Material, Handling & Logistics Magazine

87% of Americans consider shipping speed as a key factor in online purchases.

97% accounted for Total sales volume

Four large warehouses



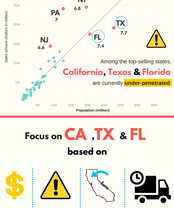
Six states

accounted for **41.3%** of total sales

QVC is selling the most in California, Pennsylvania, New York, Texas, Florida and New Jersey

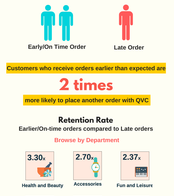
Distance and Delivery Time

(between states and Lancaster,the largest warehouse)



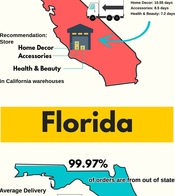
Customers in FL, TX, and CA are experiencing longer delivery time due to warehouses' location

Delivery Time and Order Placement



Delivery Time Matters!

Relationship between Sales and Population



Among the top selling states, California, Texas & Florida are currently under-penetrated.

Focus on CA ,TX & FL based on

- Best selling
- Under-penetration
- High out-of-state orders
- Long Shipping Time

Retention Rate

Customers who receive orders earlier than expected are

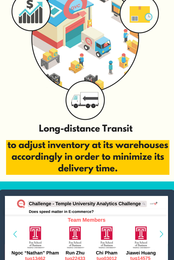
2 times

more likely to place another order with QVC

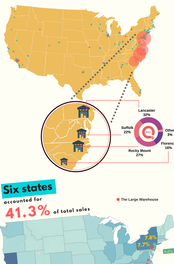
Retention Rate

EarlierIOn-time orders compared to Late orders

Browse by Department



California



Florida

Texas

Final thought

We recommend QVC to conduct a quarterly analysis of products based on:

to adjust inventory at its warehouses accordingly in order to minimize its delivery time.

Challenge - Temple University Analytics Challenge

Does speed matter in E-commerce?

Team Members

Ngoc "Nathan" Pham — tuq13482
Ruin Zhu — tuq22433
Chi Pham — tuq63852
Jiawei Huang — tuq14575