Does **Speed** Matter in E-commerce?



What is e-commerce? E-commerce is a term for any type of business, or commercial transaction, that involves the transfer of

information across the Internet. In 2016, the web comprised nearly 42% of growth in the U.S. retail market, and e-commerce represented 11.7% of total sales. As technology continues to evolve, e-commerce is expected to continue to grow.

Impact on QVC & Customer Experience



QVC recently received a gold award in ecommerce Customer

on customer experience to surprise and delight customers, and exceed expectations.

QVC continues to raise the bar

QVC's E-commerce Process: How does it start?

In the second quarter of

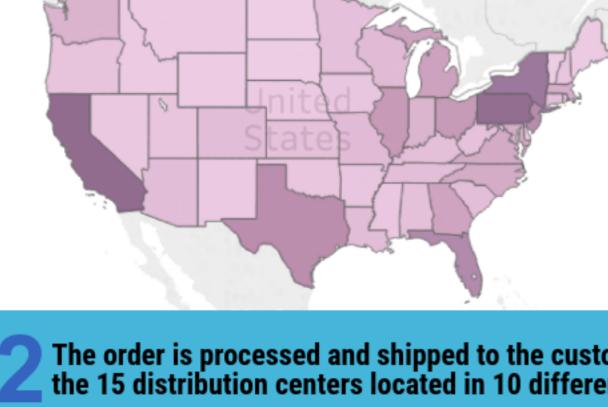
2017, QVC's e-commerce

business accounted for 55%

of US revenue.

Service.

An order is placed in any State or US Territory



The order is processed and shipped to the customer from one of the 15 distribution centers located in 10 different states

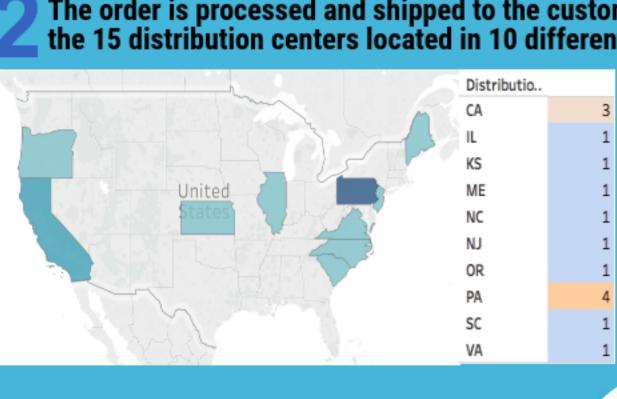


most orders in Pennsylvania, California, and New York.

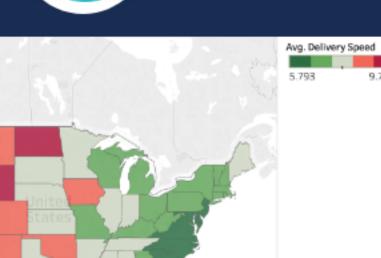
QVC's consumers

are placing the

Pennsylvania and California have the most distribution



centers, 4 and 3 respectively. **Delivery Speeds**



Determining Bottleneck Areas BY SHIP TO STATE

120

98

62

From the time of order placement to

speeds range from an average of 5.7

Orders take nearly twice as long

to ship to states in the West.

Why is this?

the order delivery, QVC's delivery

to 9.7 days.

Home Decor

Health/Beauty

Collectibles

Apparel

15 Accessories 62 125 19 64 Housewares 28 11 86 22 8 17 Electronics 51 Textile/Furnit 17 13 46 15 6 22 10 35 Jewelry 13 Fun & Leisure 13 Entertainment 12 Costume Jewelry 8 3

Ship to State

26

16

54

198

198

122

98

58

37

Number of Records

Merchandising Departments Generating Most Value

Indiana, North Dakota, Oregon, and Wyoming are the

states with the longest average delivery speeds.

Home decor and apparel are the two most popular categories ordered.

6.849Apparel Collectibles

BY MERCHANDISNG

DEPARTMENT

7.064

Merchandise Depa..

Accessories

Items from

the depar

Collectibles	10.019				
Costume Jewelry	6.694				
Electronics	6.372				
Entertainment	6.345				
Fun & Leisure	6.620				
Health/Beauty	6.606				
Home Decor	9.459				
Housewares	6.348				
Jewelry	8.186				
Textile/Furnit	6.320				
n collectibles and home decor were tments of longest average delivery speed.					

Home decor, health/beauty,

apparel, and accessories

are generating the most

unfortunately, orders for

home decor items have the

sales for QVC. But,



16,553

22,521

8,234

4,305

NUMBER OF ORDERS

Accessories

Collectibles

Electronics

Entertainment

Fun & Leisure

Home Decor

Housewares

Jewelry

Health/Beauty

Apparel

opular item ordered in each of the bottleneck states.

778,306

995,442

4,797

21,228

634,522

60,265

91,140

1,099,147

1,244,750

Textile/Furnit	4,497		Textil	
Home decor was the most po				
istributio	on of P	op	ula	
Me	erchandise Depa	ı		
	Accessorie	2S		
	Appar	el		
	Collectible	95		
	Costume Jeweli	ry		
	Electronic	cs		
	Entertainmer	nt 📗		
	Fun & Leisur	re		

563,117 Housewares Jewelry 393,887 le/Furnit 279,226 r Merchandising Departments

SALES IN DOLLARS

Merchandise Depa..

Accessories

Collectibles

Electronics

Entertainment

Health/Beauty

Home Decor

Fun & Leisure

Costume Jewelry

Apparel

longest delivery time. Distribution State IL

> KS ME

NC OR

Health/Beauty SC Home Decor VA Housewares



SOLUTION Home decor products should be located in distribution centers in California or Oregon, so

QVC's shipping speeds effect on customer's behavior

300

200

150

100

Number of Records

for these orders

BUILDING TRUST

Number of Records

150

Advantages of faster delivery speeds **BRAND PROMOTERS** of orders arriving in 5 days or less could generate

that the delivery speed can become quicker

home decor orders are coming from.



0

RETURNING CUSTOMERS PURCHASE OCCURENCES 350

of-mouth marketing.

of online shoppers say faster delivery would increase their

trust with the brand.

Customers with faster delivery speeds tend to make more e-commerce purchases. What does this mean for QVC? If QVC were to put more distribution

centers towards the

west coast, they

could optimize their

Merchandise Depa..

Accessories

Collectibles

Electronics

Costume Jewelry

Entertainment

Fun & Leisure

Health/Beauty

Home Decor

Apparel

Avg. Delivery Speed

delivery speeds in that region and gain better customer loyalty. **Maximizing Gustomer Penetration**

778,306

995,442

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1,244,750

purchases also tend to spend more money on their orders. A customer's loyalty translates into more sales, which means greater profit. STATES WITH DISTRIBUTION CENTERS KEY: Darker purple means more facilities United

After home decor, apparel

and health/beauty are the

next two largest

merchandising

departments. The majority

Total Line Amount

Customers who make more e-commerce

563,117 Housewares 393,887 Jewelry Textile/Furnit 279,226

Reevaluating Distri	butio
	Distribution State
Accessories SC VA NC NC NC NC Healtry/Beauty VA NC PA VA Apparel SC SC SC Jewelry VA NC PA SC SC SC SC SC SC SC SC SC S	CA IL KS ME NC NJ GR PA SC VA

QVC is not optimizing their distribution network. Virginia, South Carolina, and North Carolina have little orders placed, yet have the most distribution for health and beauty products. In addition, they are all located in the same region.

of apparel are being distributed from Pennsylvania, while North Carolina distributes more health/beauty products. tion Network Merchandis.

> With the most orders coming from California, Pennsylvania, and New York, QVC should reallocate inventory to warehouses closest to

> > these vicinities.

Ultimately, QVC can generate

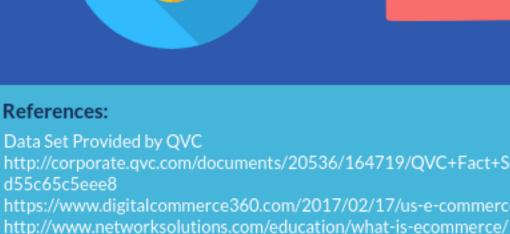
Proposal for QVC

a higher profit with a more efficient business process!

In order to maximize customer penetration and create a more efficient distribution network, QVC should reallocate inventory for popular merchandise departments towards the west coast. This will

help to create faster delivery speeds, which will result in customer loyalty and higher spend.

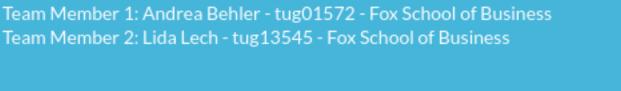
Health/Bea.



https://www.roadie.com/blog/2017/09/shipping-strategy

Challenge: QVC- Does Speed Matter in E-Commerce?

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Piktochart

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