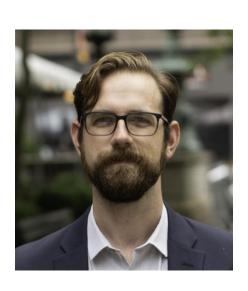


Webinar:

Using Tableau Dashboards to Better Understand the Impact of Coronavirus on Your Supply Chain



Today's Speaker



Ben Hart

Analytics Services Manager, CoEnterprise

Ben has a background in Physics and Mathematics and has been working in Data Analytics for four years. He has a passion for deciphering complex systems and determining ways to effectively communicate their nuances.

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The Impact of Coronavirus on Supply Chain

What have we experienced?



94% of the Fortune 1000 are seeing coronavirus supply FORTUNE chain disruptions Bloomberg

FORTUNE

75% of companies report coronavirus has disrupted their supply chains

The New York Times

Joends Supply Chains Surging After Virus U.S. Food Supply Chain Is Strained as Virus Spreads

The Global Pandemic Has Exposed Serious Flaws

Pharma and Medical Supplies

Shortages of personal protective equipment for healthcare workers and ventilators in hospitals

Retail & CPG

Stores has been emptied and continue to be emptied of essential goods

Manufacturing

Manufacturers have needed to innovate at speeds they never have before





Shifts in the Supply Chain

Keeping up with Demand

Increasing supply of items in high demand is proving difficult—why?

Disruption at the Global Scale

- Slowdowns in production and imports
- Non-essential domestic manufacturing shuttering with stay-at-home orders

Effects at the Local Level

- Consumers panic buying
- Hoarding leaving shelves empty

There will be a 'massive' shuffling of supply chains globally after coronavirus shutdowns

Why And How Coronavirus Will Sharply Change The Supply Chain

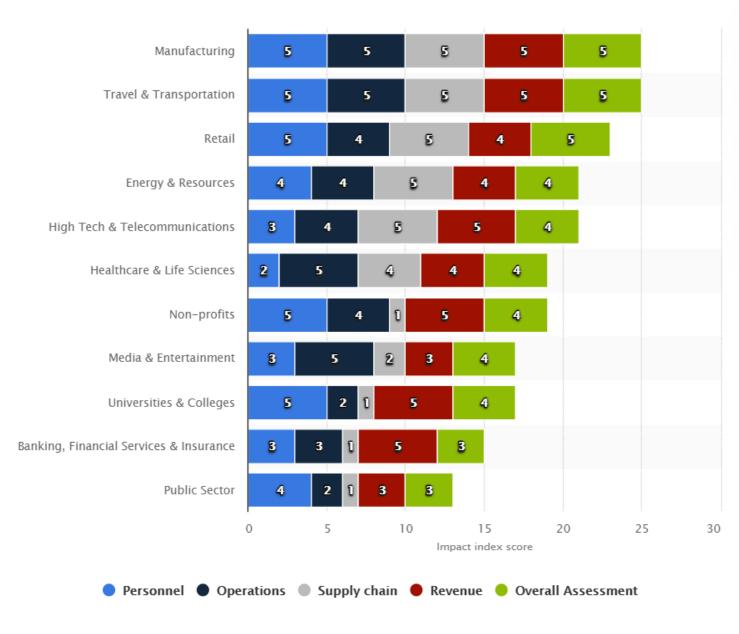
The Modern Supply Chain Is Snapping

How Coronavirus Could Wreak Havoc on Your Supply Chain



Projected Coronavirus (COVID-19) Impact Index by Industry and Dimension 2020

Minor (1) - Severe (5)



Analytics is Critical

Carefully tracking orders, shipments, and deliveries, updating inventory models, and communicating effectively with suppliers and customers is imperative to keeping the supply chain flowing.

Know your risks across tier 1, tier 2, and tier 3 suppliers.



What Got Us Here?

The Impact of the Lean Global Supply Chain



Why the Shortages?

- Lean global supply chains widely deployed
 - Help reduce costs
 - Efficient allocation of production to low-cost regions
 - Just-in-time (JIT) methodologies in manufacturing
 - Holding lower levels of inventory through the supply chain

But lean supply chains might not perform as well in stress scenarios



Supply Chain Stress Testing?

 Would a supply chain stress test help us overcome some of the challenges and shortages that have occurred during these last few months?

YES, according to the experts

- Time to Recover (TTR)
- Time to Survive (TTS)

We Need a Stress Test for Critical Supply Chains
by David Simchi-Levi and Edith Simchi-Levi
April 28, 2020



We've made our coronavirus coverage free for all readers. To get all of HBR's content delivered to your inbox, sign up for the Daily Alert newsletter.

The global pandemic has exposed serious flaws in supply chains, including critical ones for industries such as pharma and medical supplies. Shortages of personal protective equipment for health workers and ventilators in hospitals are the most prominent ones. To prevent this problem from occurring again when the next disaster strikes, governments should consider establishing a stress test for companies that provide critical goods and services that's akin to the stress tests for banks that the U.S. government and European Union instituted after the 2008 financial crisis. This test should focus on the resilience of companies' supply chains.



Enabling your Agile Supply Chain



How to Assess Supply & Demand to Stay Proactive

Example Use Case:

 Supply chain manager at a bigbox retailer assessing COVID-19 impact on current suppliers

Questions we want to answer:

- Which regions have suppliers that pose the biggest risk to our supply chain if they are impacted?
- What product do suppliers in these affected regions provide?
- What are alternative suppliers that can be pivoted to?

COVID Impact on Retail Supply Chain

Growth Factor impact on Essential Goods Supply

coenterprise

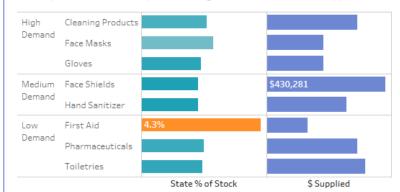
1. Identify High Risk Regions

States with a high ratio of new cases Today to Yesterday (Growth Factor) or suppliers that contribute large amount of products pose more risk

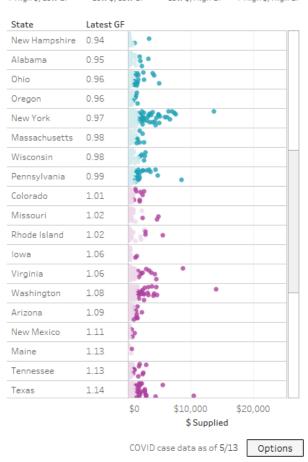


2. Qualify Risk to Essential Products

High risk states could supply a disproportionate amount of an essential product. Select products that a state provides a large % of to find alternative suppliers



3. Identify Potential Suppliers



Exploring Impacts to your Supply Chain



Getting to Analysis Quickly

Using Publicly Available Tools

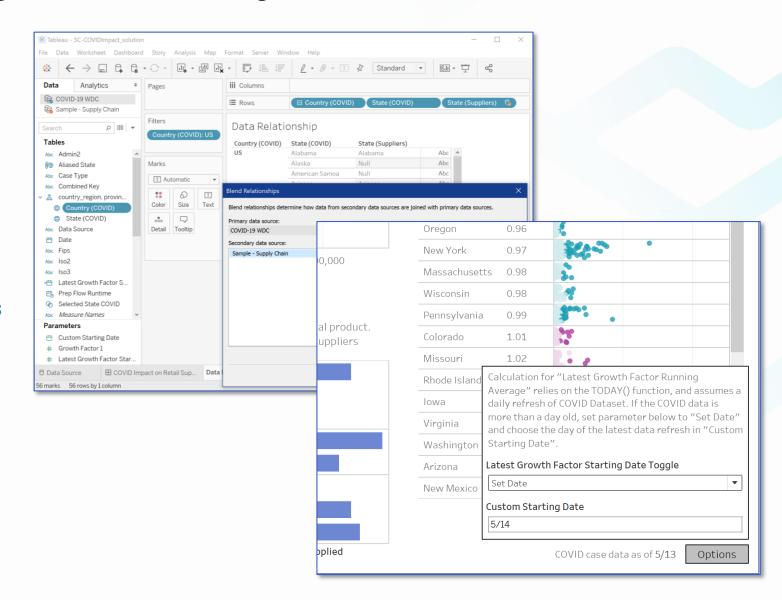
Source COVID-19 Data:
 https://www.tableau.com/covid-19-coronavirus-data-resources

Combining Disparate Data Sets

 Conveniently integrate with purchasing data using blending

Make timely and informed decisions

 Refresh COVID extract or set fixed date for ad hoc analysis





What Steps Should You Take Next?



Working through Today's Crisis & Beyond

No one knows how long the pandemic will last and what changes it will bring. Plan your strategy to be flexible!

Draw on all your Resources

Gather intelligence from the people on the frontline as well as the corner offices.

Prepare for Best, Worst, and Other Cases

Uncertain times call for developing and implementing contingency plans for a wide variety of scenarios.

Take the Long View

Tracking, modeling, and analytics work best as part of a long-term strategy and a vision of who you and your company are and aspire to be.





What Might the Future of Supply Chain Look Like?

Moving from "Just in Time" to "Just in Case" Models



The COVID-19 Crisis Calls for Re-balancing Priorities

Simplicity

Simplifying the supply chain will allow you to focus on adapting to changing dynamics

Collaboration

Prioritize partners who have skills, tools and knowledge that will enhance your company's capabilities and minimize your risk

Resilience

Consider producing closer to the selling market, holding a larger inventory of sensitive items or double sourcing key products



The COVID-19 Crisis Calls for Re-balancing Priorities

Redundancy

Reduce risk, build your plan B. Have a plan and a strong strategy

Innovation

The risk of change significantly reduces in a crisis – if something is not working today, there is little risk in trying something new

Automation

Organizations need to explore deployment of supply chain technologies – transportation management systems, warehouse management

systems, robotics etc.



Summary

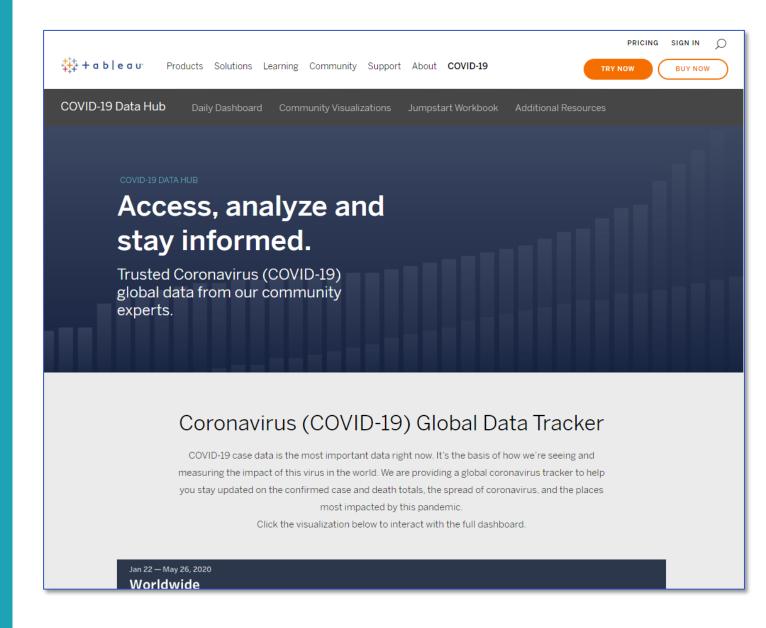
A time of change - use data to support your decision-making

Ability to pivot and change direction quickly

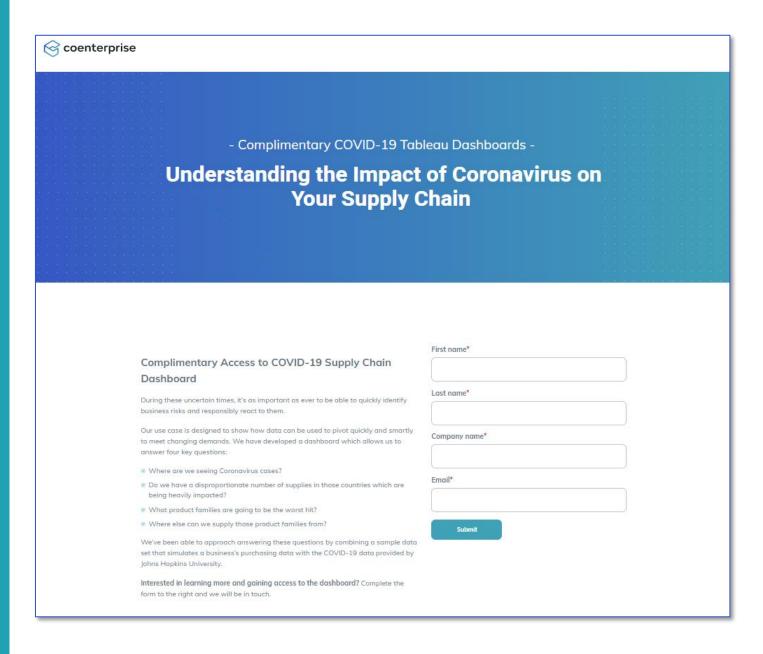
Implement an analytical minded culture – data strategy AND analytics strategy

Plan now for the NEXT event, know the risks

Stay informed – COVID-19 Data Hub



Download Our COVID-19 Supply Chain Dashboard



Q&A

Please submit your questions using the module on your screen





Thank you!

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