







## What happened?

How should we respond?

What should we be thinking about when all this is over?

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Coronavirus Briefing: China's PMI Slumps as Disruption Continues in Supply Chain; International Demand Could Be the Next Challenge



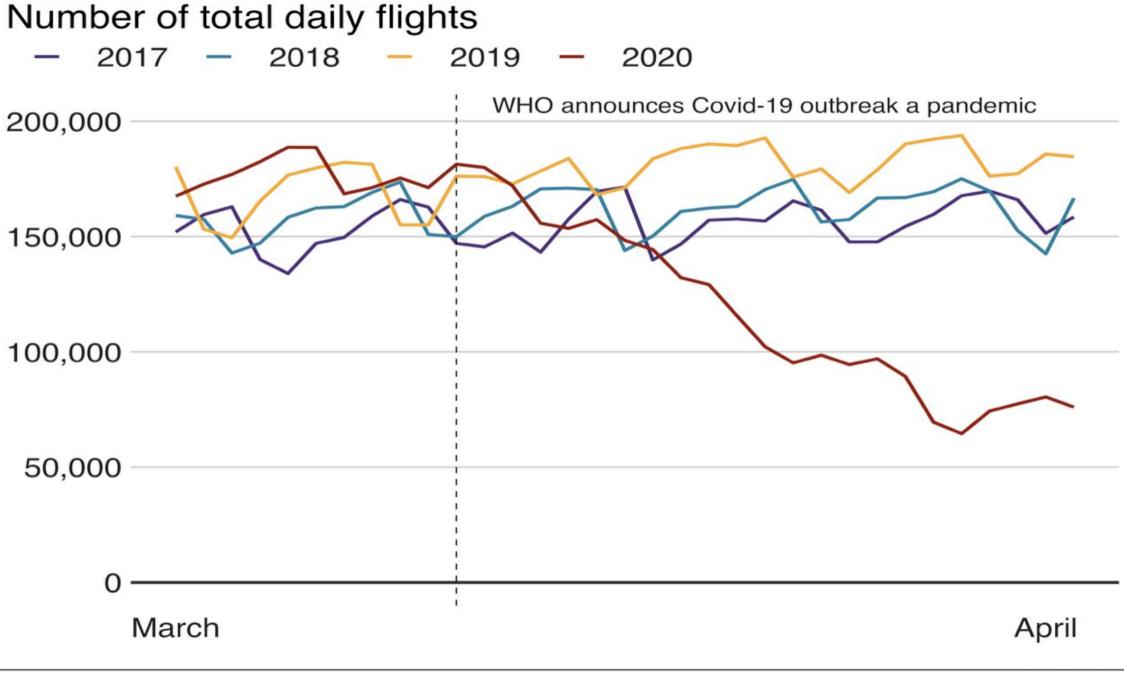
# Chinese industrial production fell by 13.5% in the first two months of the year



## Changes in the number of available flights

This data shows month over month changes in the number of economy flights leaving within a month available on a given day. Month over month data is calculated as 28 days ago in order to compare the same day of the week, and all flight data is for flights originating from the United States. For example, if 1 million flights were available from the United States to China on February 1st but only 900,000 flights are available on February 29th (28 days later), then the data would show -10%.

Destination	3/06	3/07	3/08	3/09	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19	3/20	3/21	3/22	3/23	3/24	3/25	3/26	3/27	3/28	3/29	3/30
Canada	9%	19%	7%	11%	18%	41%	32%	32%	11%	-11%	-19%	-37%	-42%	-53%	-51%	-43%	-63%	-67%	-55%	-65%	-66%	-63%	-65%	-64%	-74%
China	5%	32%	15%	27%	44%	97%	86%	51%	37%	21%	12%	-32%	-51%	-64%	-61%	-58%	-69%	-72%	-81%	-89%	-90%	-97%	-96%	-96%	-98%
France	13%	36%	33%	35%	54%	64%	75%	29%	-6%	-21%	-33%	-50%	-60%	-63%	-62%	-61%	-72%	-72%	-75%	-73%	-73%	-72%	-68%	-71%	-80%
Germany	20%	28%	27%	17%	19%	42%	44%	23%	4%	-3%	-28%	-47%	-59%	-63%	-56%	-65%	-70%	-73%	-70%	-66%	-60%	-64%	-75%	-76%	-82%
India	.27%	-17%	-19%	-26%	-17%	0%	-14%	-34%	-52%	-59%	-70%	-82%	-85%	-85%	-88%	-88%	-91%	-93%	-95%	-97%	-97%	-97%	-96%	-95%	-98%
Israel	-28%	-24%	-25%	-25%	-26%	-19%	-26%	-47%	-38%	-55%	-66%	-80%	-80%	-81%	-80%	-80%	-89%	-91%	-89%	-91%	-92%	-93%	-91%	-92%	-95%
Italy	20%	56%	56%	46%	16%	4%	-6%	-29%	-45%	-54%	-60%	-71%	-75%	-77%	-74%	-78%	-83%	-84%	-81%	-82%	-81%	-82%	-81%	-83%	-86%
Japan	26%	53%	38%	44%	59%	85%	87%	61%	39%	14%	4%	-5%	-6%	-17%	-20%	-17%	-41%	-48%	-35%	-48%	-47%	-44%	-38%	-44%	-59%
Mexico	2%	6%	9%	4%	11%	22%	19%	17%	0%	-14%	-27%	-39%	-48%	-59%	-52%	-41%	-58%	-56%	-48%	-59%	-61%	-60%	-57%	-68%	-78%
United Kingdom	32%	26%	19%	13%	14%	17%	42%	14%	5%	-21%	-34%	-54%	-63%	-64%	-54%	-52%	-63%	-70%	-72%	-72%	-69%	-66%	-60%	-61%	-73%
United States	5%	12%	14%	7%	10%	12%	9%	0%	-13%	-30%	-40%	-45%	-54%	-63%	-56%	-46%	-60%	-64%	-55%	-69%	-69%	-72%	-63%	-62%	-76%



## China Retail Sales Slide During Coronavirus Shutdown: Implications for US Retail





#### **Editor's Picks**



#### Retai

#### Macy's Furloughs 'Majority' of 130,000 Staff as Virus Takes 'Heavy Toll' on Retail

Indefinitely idled stores are forcing retailers from Macy's to Canada's Reitmans to make difficult decisions on the staffing front.

READ MORE



#### Labo

#### Outbreak Leaves Garment Workers Stranded and Unemployed

Amid the COVID-19 crisis, millions of workers in Asian garment-producing nations are finding themselves stranded without jobs.

READ MORE

#### **More News**



#### **Business News**

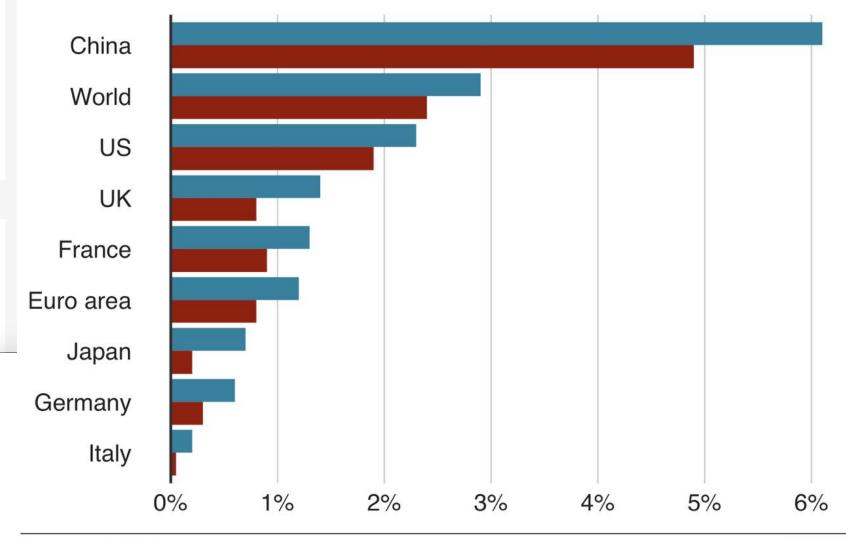
Millions Face Poverty in East Asia, Pacific, Where Pandemic Will Pummel Growth: World Bank

READ MORE

## **OECD** downgrades growth forecasts

Economic growth (GDP) expected to slow down in 2020

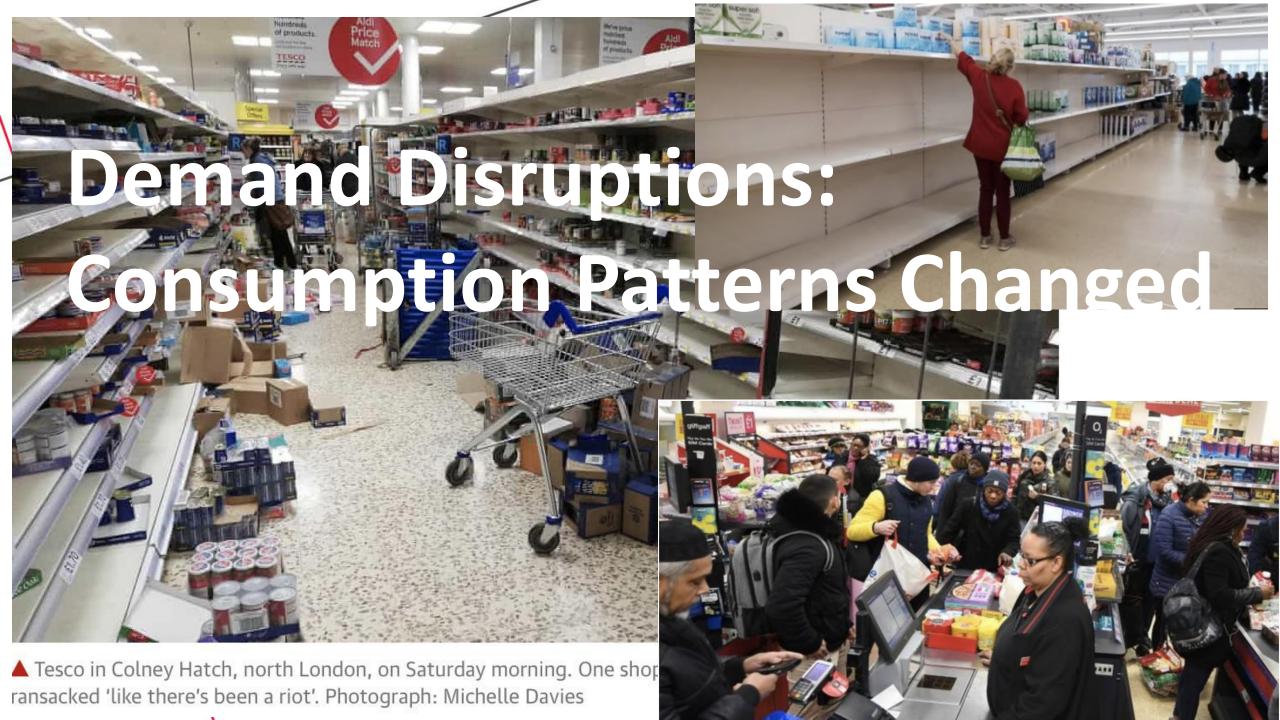
Growth in 2019 Growth forecast for 2020



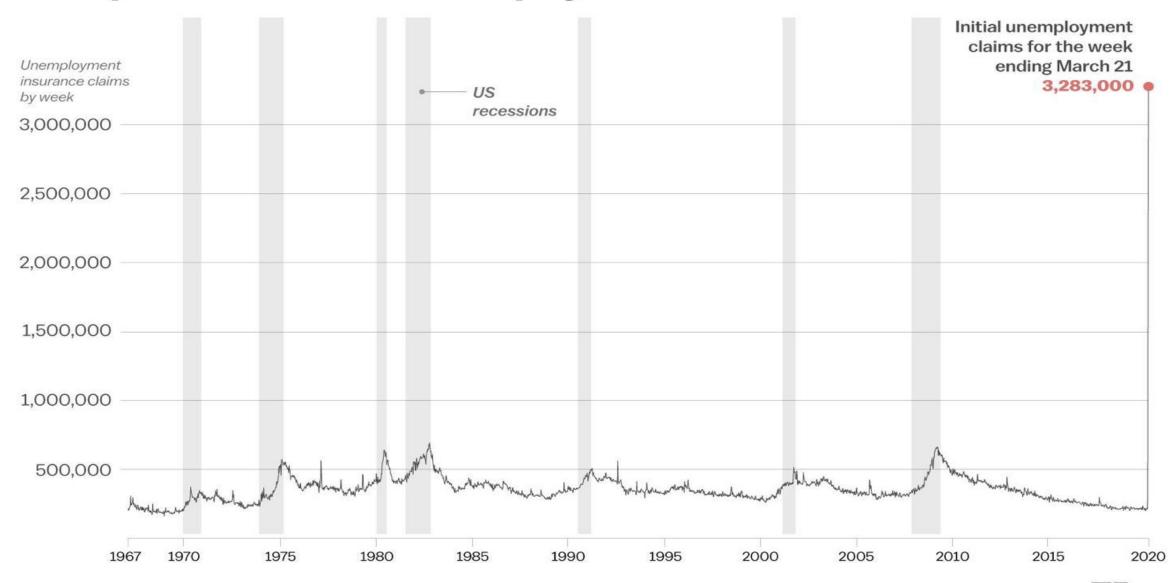
Source: OECD







## An unprecedented rise in unemployment



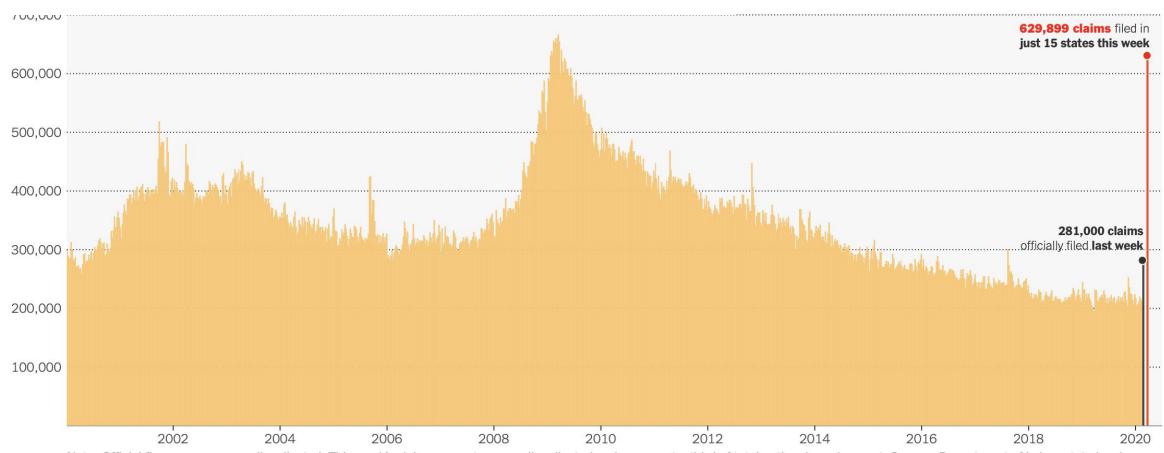
Source: US Employment and Training Administration



### **TheUpshot**

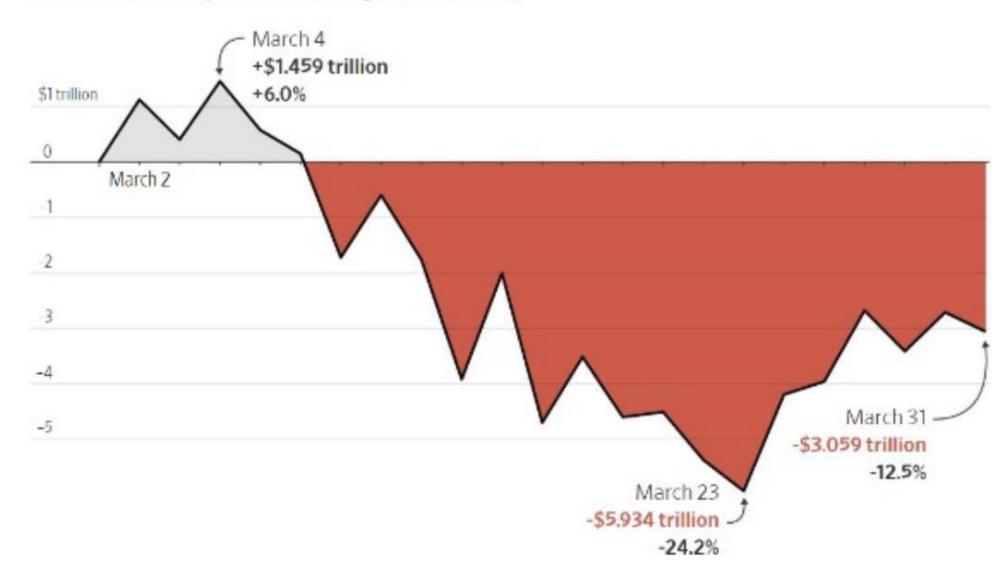
# The Staggering Rise in Jobless Claims This Week

By Quoctrung Bui and Justin Wolfers March 19, 2020



Note: Official figures are seasonally adjusted. This week's claims are not seasonally adjusted and represent a third of total national employment. Source: Department of Labor, state level reporting.

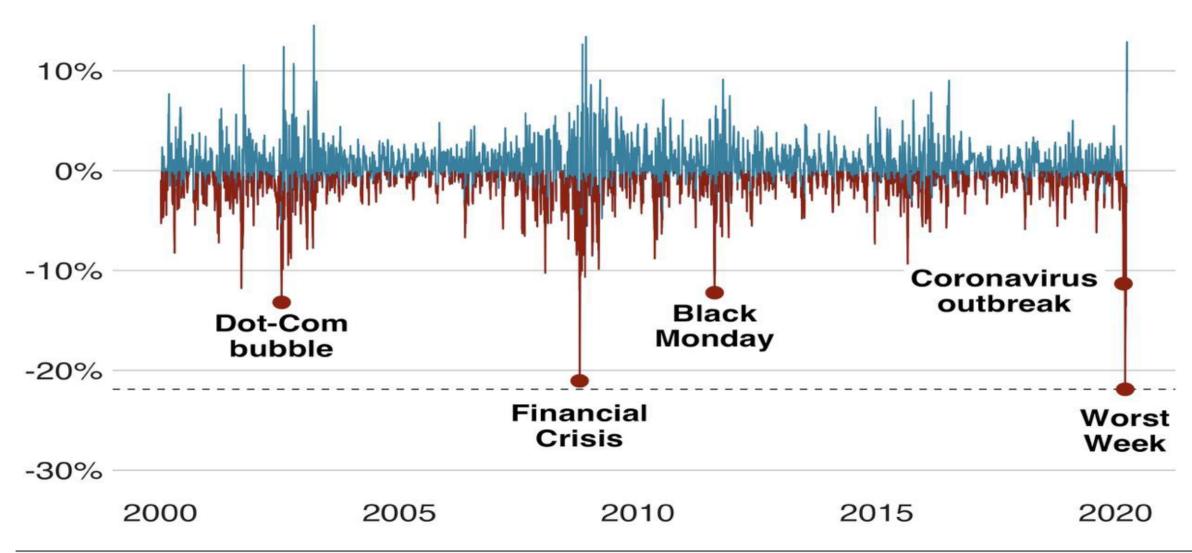
## S&P 500 market capitalization, change from February





## FTSE 100 plunges on coronavirus fears

Week-on-week percentage change



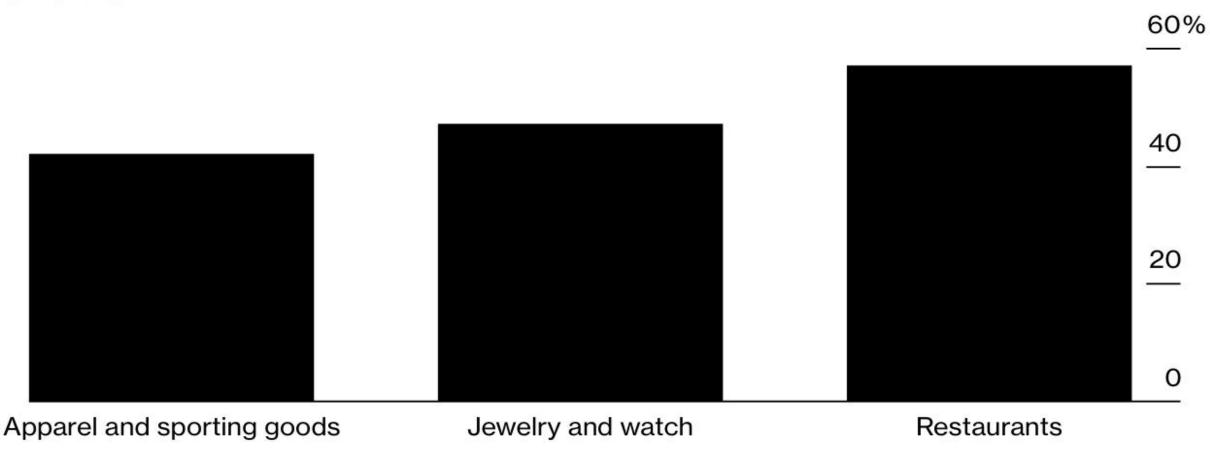
Source: Bloomberg, 27 March 2020, 13:00 GMT



## **Running Out of Cash**

About half of listed Chinese retailers are at risks of shutdown in 6 months

Percentage of companies without enough cash to cover major operating costs for more than 6 months



Sources: Bloomberg, company statements

Note: cash flow condition is measured by cash and cash equivalent; major operating costs mainly include labor and rental costs

# WHAT SHOULD I DO NEXT?





## Gather Data -

Make Assessments Think like an ecosystem

Act Quickly & Decisively - Make the Tough Calls

# The Stockdale Paradox

Retain faith that you will prevail in the end, regardless of the difficulties.

AND at the same time

Confront the most brutal facts of your current reality, whatever they may be.

-- Jim Collins, Good to Great







# The Tears in the Deep Tiers

**BY YOSSI SHEFFI** 

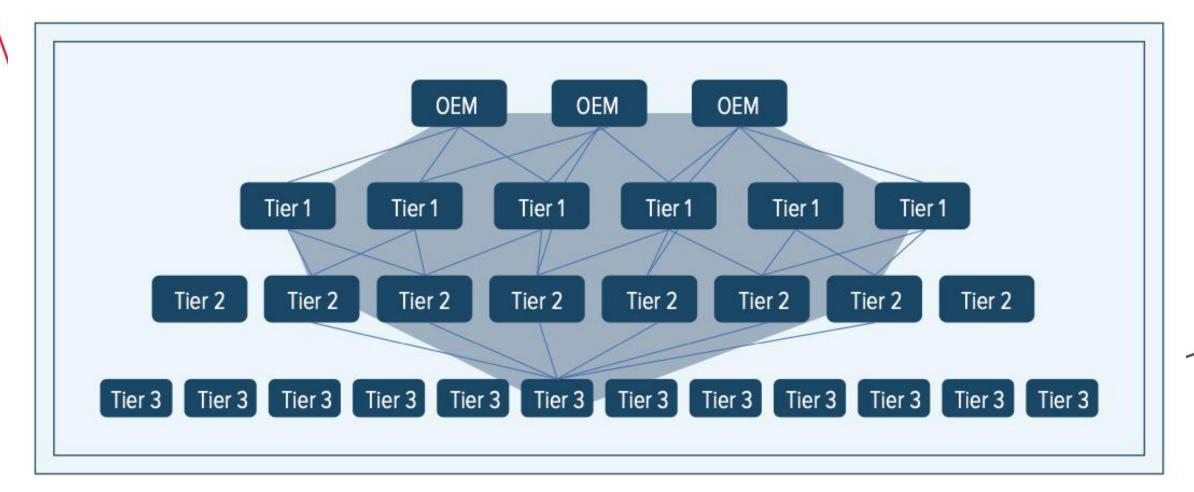


Many leading companies have well-developed risk management and crisis management

supply chains and the actions which companies can take in response to them to achieve deep resilience.









## Managing New Product Development and Supply Chain Risks: The Boeing 787 Case

#### Christopher S. Tang and Joshua D. Zimmerman<sup>1</sup>

UCLA Anderson School ctang@anderson.ucla.edu joshua.zimmerman.2009@anderson.ucla.edu

Commented by

Since the U.S. government deregulated air travel in 1977,

more siglines have entered the market serving fiers

James I. Nelson M.S. MBCP, CORP

Business Continuity Services

To stimulate revenue growth and market response, Boeing decided to develop the 787 Dreamliner. The 787 Dreamliner is not only a revolutionary aircraft, but it also utilizes an unconventional supply chain intended to drastically reduce development cost and time. However, despite significant management efforts and capital investment, Boeing is currently facing a series of delays in its schedule for the maiden flight and plane delivery to customers. This paper analyzes Boeing's rationale for the 787's unconventional supply chain, describes Boeing's challenges for managing this supply chain, and highlights some key lessons for other manufacturers to consider when designing their supply chains for new product development.

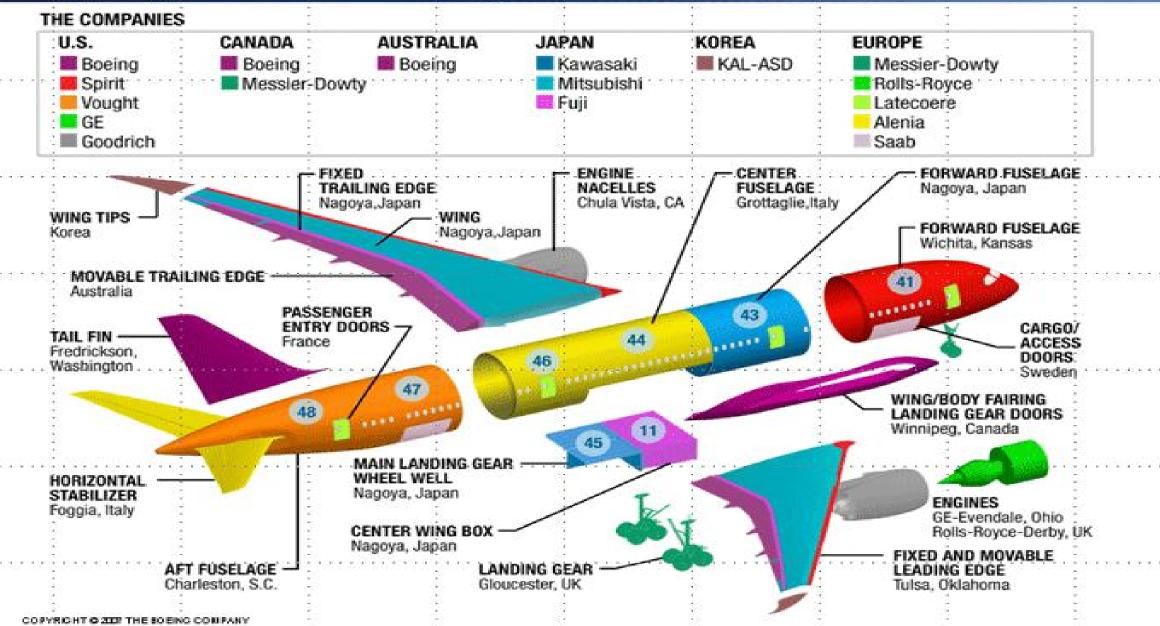
Acknowledgments:

We would like to thank William Schmidt of the Harvard Business School and one anonymous reviewer for their constructive comments on an earlier version of this paper.

#### Introduction

the passenger cabin, offering substantial improvement to the flying experience. Also, the lightweight composite materials enable the Dreamliner to take long-haul flights. Consequently, the Dreamliner allows airlines to offer

# Partners Across The Globe Are Bringing The 787 Together





Business Horizons (2013) 56, 75-85



Available online at www.sciencedirect.com

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## Supply chain lessons from the catastrophic natural disaster in Japan

YoungWon Park a, Paul Hong b,\*, James Jungbae Roh c

#### **KEYWORDS**

Global supply chain; Supply chain design information; Business continuity planning; Supply chain portability; Supply chain dispersion; Japanese manufacturing; Supply chain Abstract While supply chain management has been approached from a variety of perspectives, the role of the global supply chain as a mechanism to overcome severe supply chain disruptions has not been explored adequately. This article discusses the ways in which Japanese manufacturing firmshave responded to the recent earthquake, tsunami, and nuclear disaster. Based on case studies of Japanese manufacturing firms, this article presents a discussion of the supply chain restoration process after severe natural disasters and humanitarian disruptions, and reflects on supply chain lessons in terms of disaster planning and recovery responses. The critical capabilities of supply chain information design, portability, and dispersion are discussed.

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How should we respond?

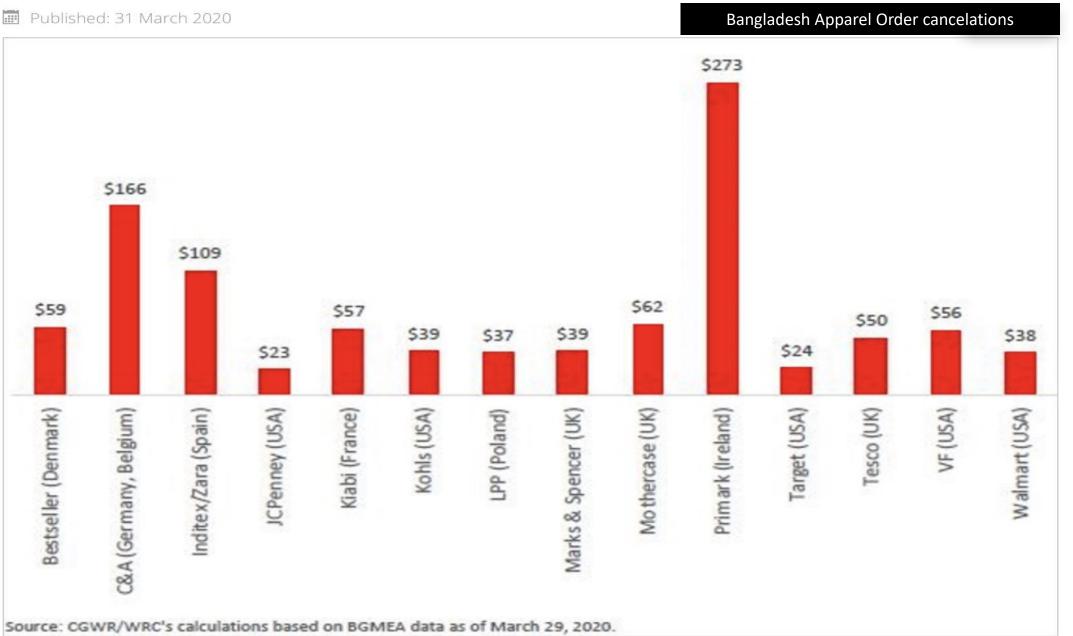




## How should we respond?



## Brands named and shamed over cancelled orders



Cancelled and delayed orders, in US\$ millions, according to the Centre for Global Workers' Rights.



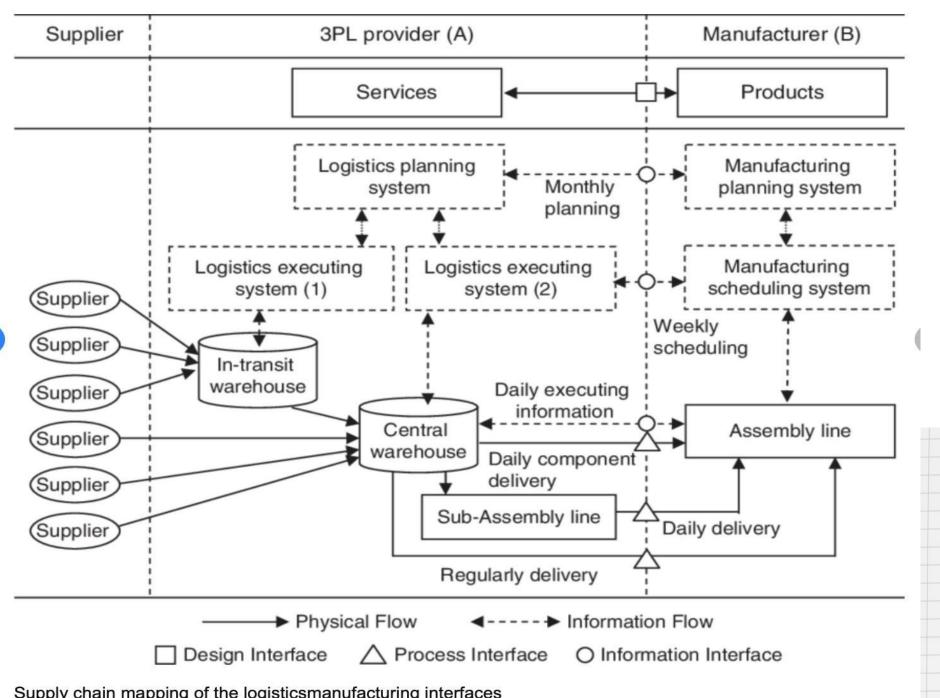
## How should we respond?





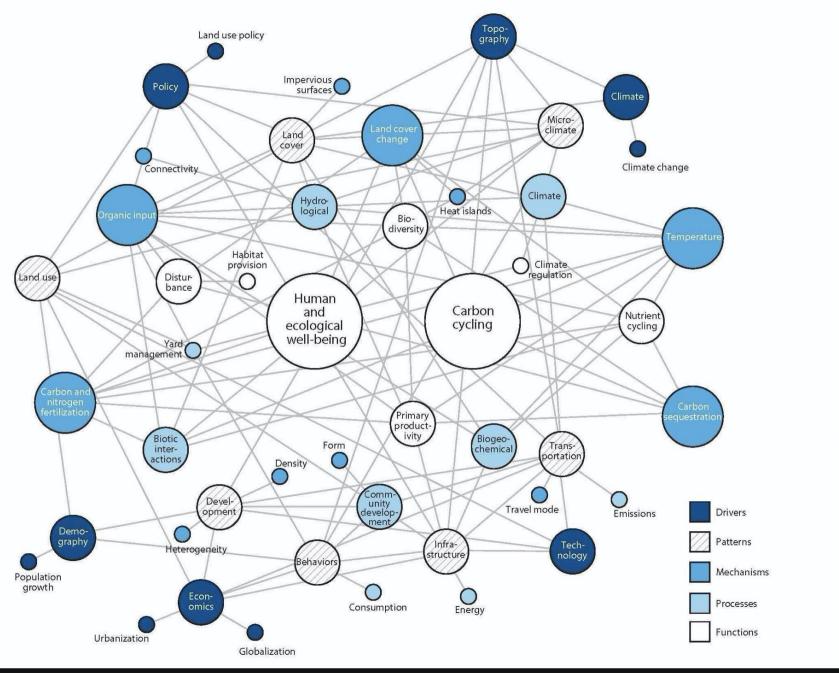
## How should we respond?







Supply chain mapping of the logisticsmanufacturing interfaces



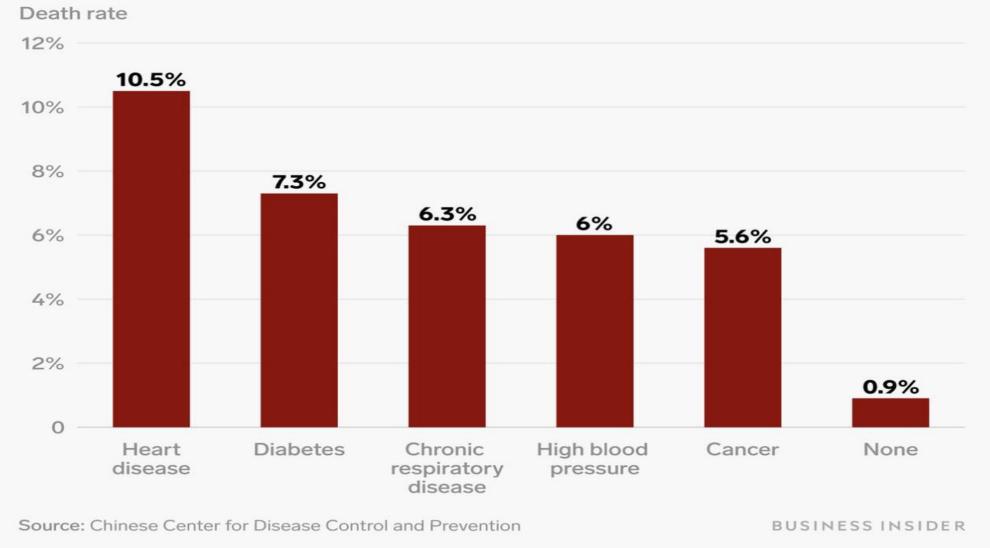


# CONFRONT THE BRUTAL FACTS



FACTS + FAITH
Have strong faith yet confront
facts of your current reality

## Death rate of COVID-19 patients with preexisting conditions



Ruobing Su/Business Insider









## OLD WAY

NEW WAY

Every month, frontline health responders around the world need these supplies (and more) to protect themselves and others from #COVID19

- 89 million masks
- 30 million gowns
- 1.59 million goggles
- 76 million gloves
- 2.9 million liters hand sanitizer























## CoVent, the portable ventilator designed by Dyson in 10 days

Dyson designed and put into production a ventilation machine to support the fight against the Covid-19.







+ Follow

All hands on deck. Our U.S. factories are working to develop, manufacture and deliver facial masks to the hospital community. **#communitymondays #nbgivesback** 

## Made shoes yesterday. Making masks today.

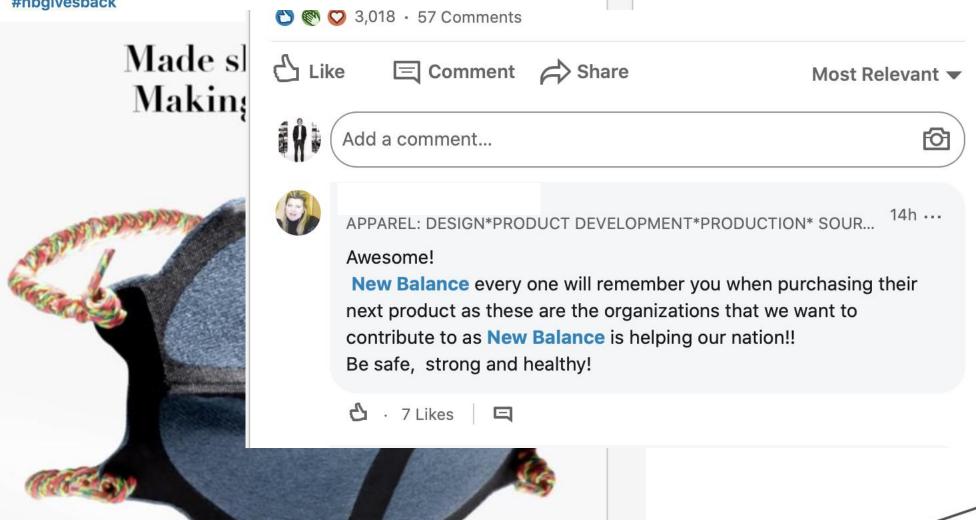




+ Follow

All hands on deck. Our U.S. factories are working to develop, manufacture and deliver facial masks to the hospital community. #communitymondays





## It's not what happens to you, but how you react to it that matters.

Epictetus

