

## Infusing Customer Insight into Digital Retail



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#### Research interests and areas:

- Platform Economy
- E-Commerce
- Strategic Management
- Customer Behavior
- Information Systems



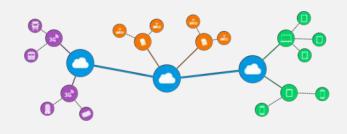


## Platform economy and retail digitalization

### Managing customer insight

# Platform mediated work and entrepreneurship











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### Agenda for this morning

### 1) Digital retail

- What are the current trends shaping the retail sector and customer behavior?
- What is the role of customer insight in retail today?

#### 2) The Platform Economy and Retail

- Why are digital platforms increasingly popular amongst consumers?
- How do platforms built their competitive advantage on the use of customer insight?

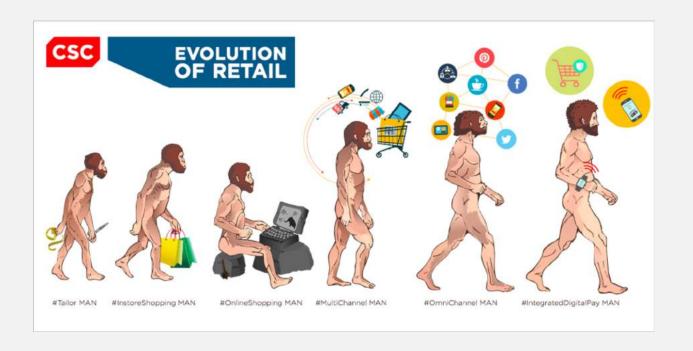




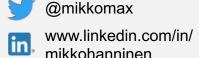


### **Digital Retail**

## Retail has undergone a major digital transformation during the past century







### Accordingly, many are trying to "grab" a share of the retail value chain

#### FOOD TECH & MEDIA LANDSCAPE 2018









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### Most importantly, customer insight has been infused into retail business





"Supply-driven" retail

"Demand-driven" retail





"customer experience, in addition to a value proposition centered on large selections, customization, convenience, customer engagement, and price, has become the deciding factor for success in the sector."

(Hänninen, Mitronen & Kwan, 2019)





# Digitalization is enabling customers to fulfill different consumption needs





#### Store Choice Drivers:

- Lower everyday prices vs. other stores
- Regular routine
- Carries all of the products I want
- · Needed items on sale

#### FILL IN Need Specific Items



#### Store Choice Drivers:

- Find & buy items quickly
- Preferred store for specific items
- On my route
- · Not looking for deals

#### QUICK TRIP



#### Store Choice Drivers:

- Could get to store quickly
- Items for specific meal or event
- Find & buy items quickly
- · Most deal driven

#### DISCOVERY Browsing



#### Store Choice Drivers:

- Unique products
- Atmosphere is inviting
- New & interesting products

### IMMEDIATE CONSUMPTION

Impulse



#### **Store Choice Drivers:**

- Convenience
- Location
- Find & buy items quickly
- Items typically consumed within minutes of purchase

Bemis Company (2018)









## As such, customer journeys are increasingly complex



Smartrevenue

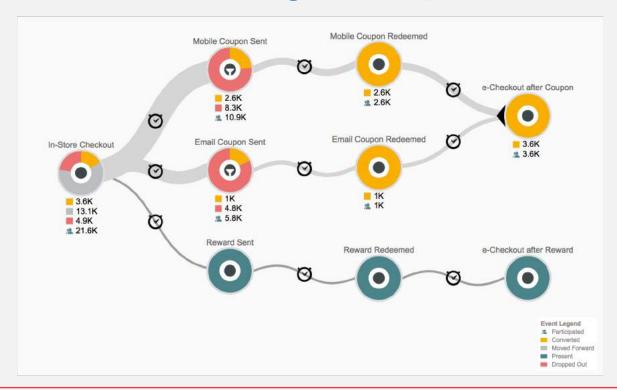




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## This makes managing customer experience extremely complicated



Pointtillist





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# A large innovation has been the use of customer data to understand needs of individual customers

**Segmentation** 















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### So how is customer insight changing customer behavior?

### Consumption is....

- Satisfying needs
- Allocating resources
- Making choices
- Social action
- Self expression
- Experiencing



Lähde soveltaen: Raijas, 2016

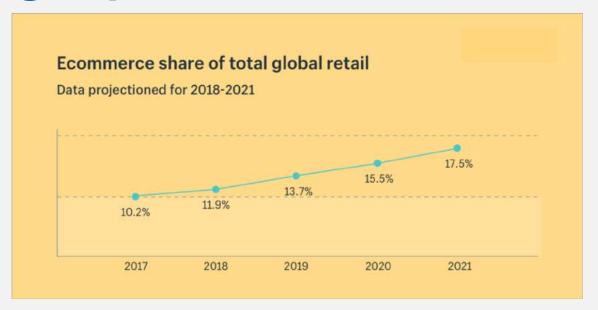




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# Online retail is enabling customers have increasingly personalized shopping experiences



Shopify





### At the same time digital business models have raised expectations of customer experience to new hights







# For example, DTC business models enable customers to bypass the retailer









### **Example. P&G and DTC competitors**



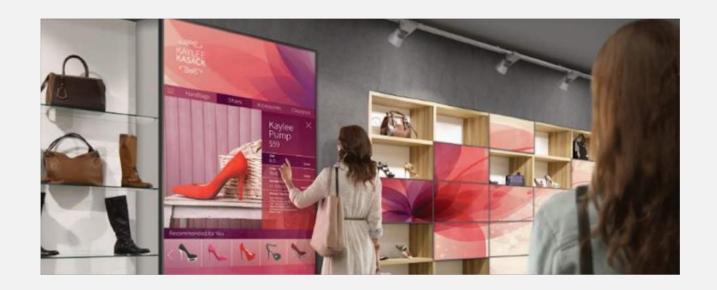




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# Brands are engaging digital solutions to create more experiential business models



Samsung





# Thus, digital technologies will further reshape the retail landscape in the future

#### RETAILERS CITE THE TECHNOLOGY TRENDS SHAPING THE FUTURE

PERCENTAGE OF RESPONDENTS PLANNING INVESTMENTS BY 2021



2021 70%

#### INTERNET OF THINGS

Giving a digital voice to people, processes and things to improve the customer experience, enhance supply chain visibility and expand revenue opportunities.



2021 68%

#### MACHINE LEARNING / COGNITIVE COMPUTING

Analytics and predictive models to help retailers personalize customer experiences and enhance inventory demand, forecasting and visibility.



2021 57%

#### **AUTOMATION**

Automation for packing and shipping orders, inventory tracking, checking in-store inventory levels and assisting customers in finding items.

Forbes (2017)









## Some frontrunners have been able to use technology to rejuvenate their business



Rapha, Brewer St.



Nike Town, Oxford St.

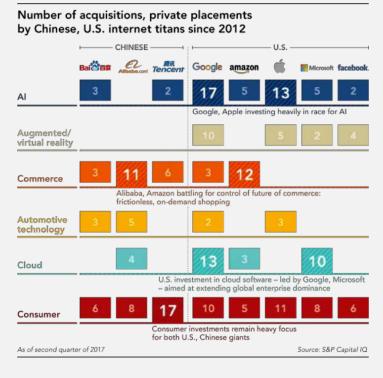


Primark, Oxford St.





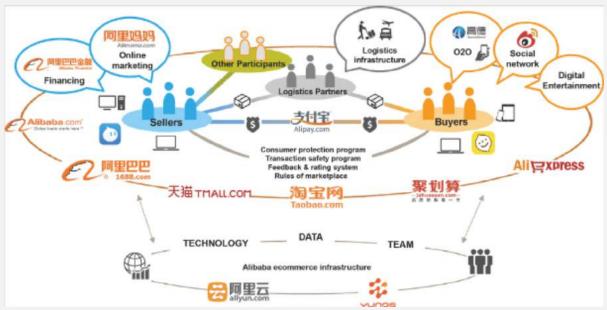
# However, particularly the digital "giants" are also ready to make the leap to future technologies







# In the future technology, data and customer understanding are largely present in retail business models



Alibaba Group





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# Thus, traditional players need to react and stay on top of the competition





The latest ventures: Earlier this week, Microsoft and Walmart announced a cloud computing partnership—that

is, a collaboration between Amazon's biggest retail and cloud competitors. Microsoft CEO Satya Nadella told the

Wall Street Journa/that the shared rivalry is "is absolutely core" to this deal. Then yesterday The Information







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### Many retailers have already lost the game









### The Platform Economy and Retail

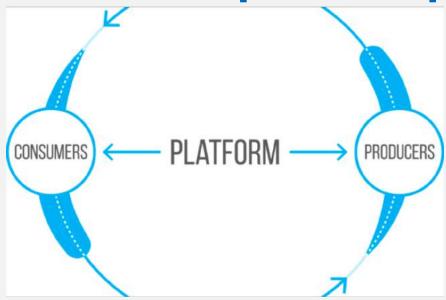
"[The Digital Platform Economy] has led to radical change in how we work, socialize, create value in the economy, and compete for the resulting profits."

(Kenney & Zysman, 2017)





# Central to the platform economy is the mediation of exchange between consumers and independent providers







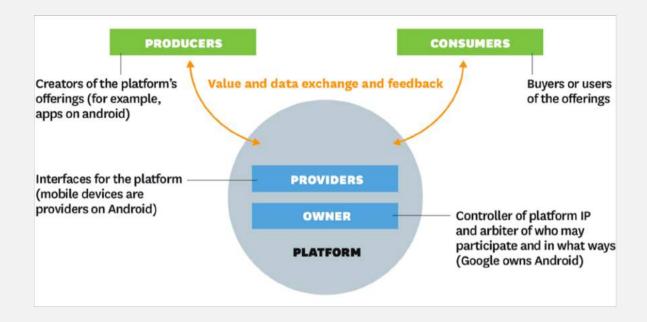
"digital platform intermediate transactions among firms and/or individuals that may not be able to transact otherwise."

(McIntyre & Srinivasan, 2017)





# Central to platforms is customer understanding and big data



van Alstyne et al. 2016





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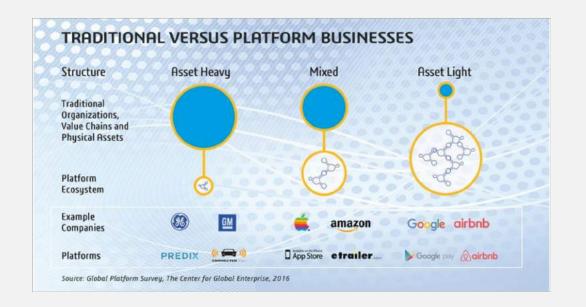
"transaction data are one such factor that distinguishes platforms from incumbent retail business models, and we expect that data generated through digital platforms will form an even greater competitive advantage in the future as these platforms can collect data from a multitude of interactions with their user base, both online and offline"

(Hänninen, Smedlund & Mitronen, 2018)





# Generally platforms differ from other business models in terms of assets and resources







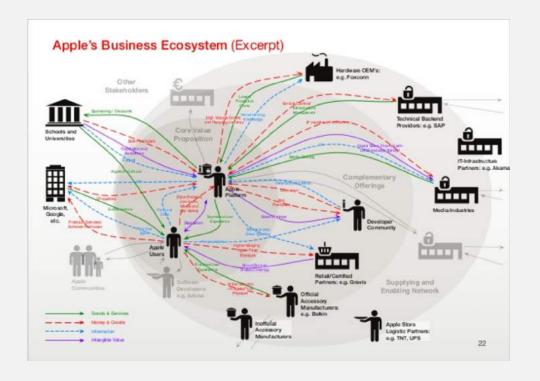
# As such, platforms can achieve high margins and profitability





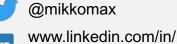


### Platforms also leverage ecosystems



Jan Schiedgen (2013)





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"an ecosystem generally refers to a group of interacting firms that depend on each other's activities."

(Jacobides, Evans & Gawer, 2018)





### **Example. IOT - Ecosystem**







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#### **Example. BMW ecosystem**







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#### **Example. Smart City ecosystem**



NextGen

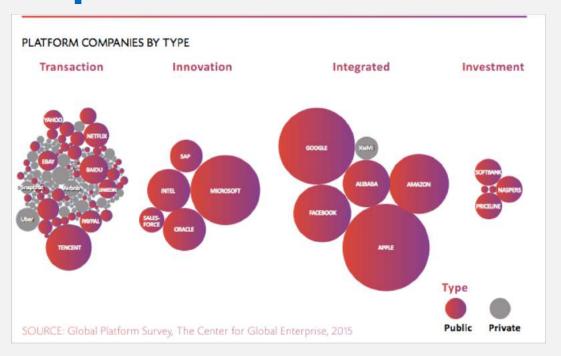




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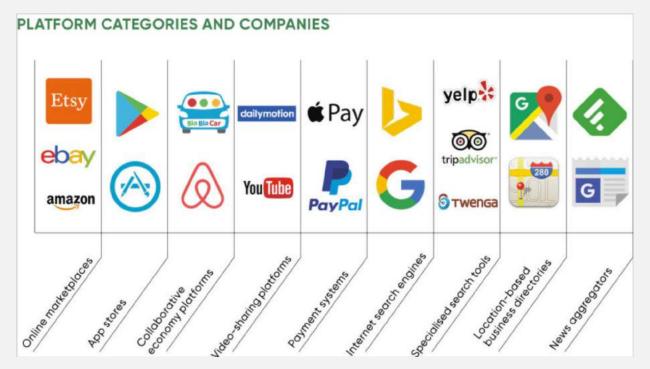
# Platforms can be separated to transaction, innovation, integrated and investment platforms







## Thus, platforms can be found in many parts of the economy



Raconteur (2017)









# Also the sharing economy has emerged through digitalization and the platform economy



**European Commission** 

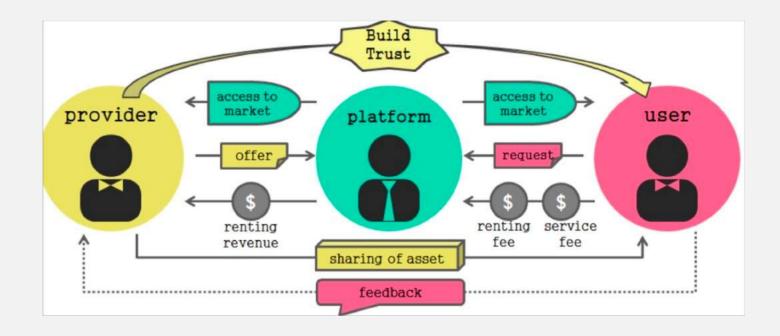




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### Ideally platforms reduce transaction costs for buyers/sellers



Deemly





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## Accordingly, in many sectors the sharing economy has a major role

#### SHARING ECONOMY SECTOR AND TRADITIONAL RENTAL SECTOR PROJECTED REVENUE OPPORTUNITY

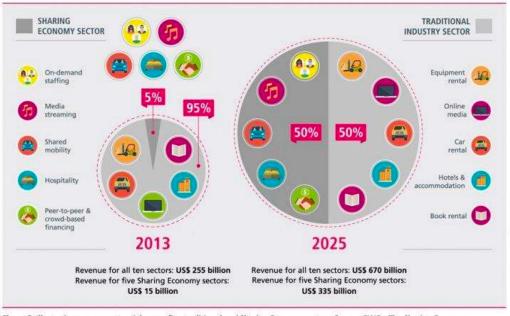


Figure 3: Illustrative revenue potential across five traditional and Sharing Economy sectors; Source: PWC - The Sharing Economy

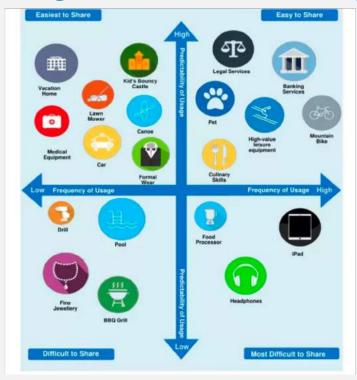




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## In the future the sharing economy will most likely only continue to grow



Morgan Stanley









#### A few examples of digital platforms



airbnb





















# "The platform evolution" has made platforms extremely valuable businesses



= over \$3.0 trillion

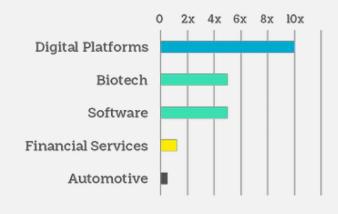




#### Most platforms are found in the US (and China)

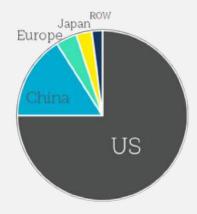
#### Valuation Multiples

(Average Price-Sales Ratio, US & Europe top 500 listed companies)



@ New Growth Playbook, Simon Torrance 2018

#### Origins of platformbased businesses



Source: Center for Global Enterprise, 2016





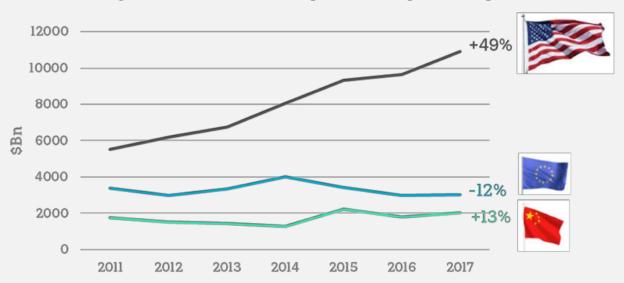
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## Compared to Europe, China is taking the lead in digitalization

#### European enterprises losing market share to US and China

Regional share of Market Cap - Global Top 100 Companies



Simon Torrance (2018)





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## Indeed, in Europe there are only a few "major" platforms













## In Finland, there are also only a few examples of platforms/marketplaces





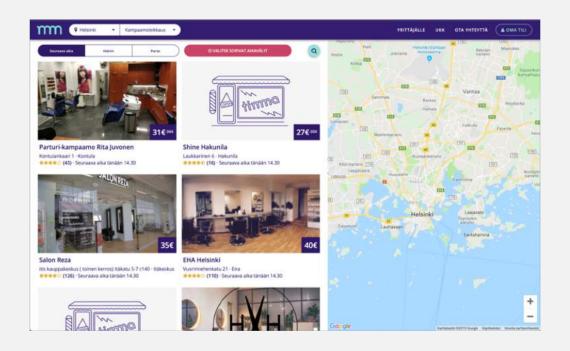








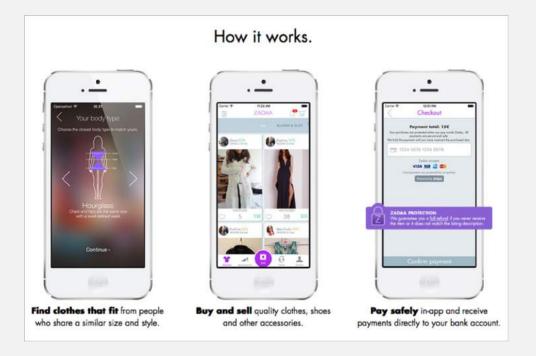
## **Example Timma. Marketplace in the beauty industry**







## Example Zadaa. Marketplace for used clothing



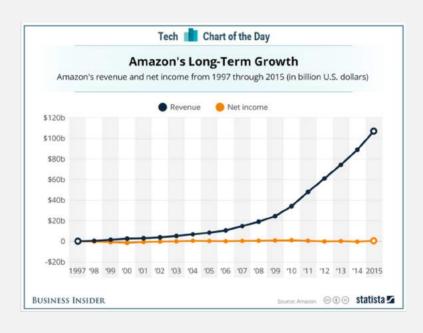




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# Platforms have become popular shopping channels amongst consumers









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#### What benefits do platforms deliver?



New earnings model



Internationalization



**Customer engagement** 



**Business growth** 





#### As such, many retailers are moving from resellers to intermediaries



















ntermediar

## Many traditional player is also balancing between this axis

Suomalainen kauppalegenda siirtyy Amazonin malliin – avaa verkkokauppansa myös muille

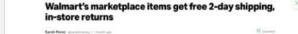
myyjille



JAA Stockmann laajentaa verkkokauppansa tarjontaa avaamalla sen ulkopuolisille brändeille. Aluksi tarjolla on Stockmannin tavaratalossa jo kaupan olevia tuotemerkkejä, mutta alusta on avoin kaikille Stockmannin yrityskuvaan sopiville tuotteille.

Markkinapaikka on Stockmannille uutta digitaalista liiketoimintaa, sillä alustalle tulevat yritykset maksavat tavaratalokonsernille komissiota myynnistään verkkokaupassa.

Myyntiin tulee aluksi muodin, kodin ja kauneuden tuotteita, markkinapaikka avautuu ensi vuoden keväillä. Pilottina Stockmannin verkkosivuilla on jo nyt myynnissä XS Lelujen tuotteita. XS Leluilla on omat osastot Stockmannin tavarataloissa.





With Fulfilment by Amazon, marketplace sellers can make their products eligible for Amazon Prime's 2-day shipping. Today, Walmaru is catching up on this front. The related today announced ETs expanding its 2-day shipping to the millions of products offeed by its own marketplace sellers. This expansion will not out in the months allend, allongoide a processor for simpler relatives on marketplace purchases.

Walmart o first transfered few, 2-day shoping across millions of products book in January 2017, for orders that were over \$35. The move was meant to challenge Amazon Prime, as all it required was a minimum purchase not an acrossit membership fee.

Now, that same shipping option will be made available across Walmart's marketplace, too

The company says it will initially work with its hundreds of "high-performing" selera to introduce free, two-day shipping across their eligible items in the L.S. This is being announced today, but will risl out more broadly in the coming months. Walmart notes.

#### Tesco shuts its non-food website, Tesco Direct

500 jobs at risk as company concludes it cannot make the lossmaking arm profitable



▲ Tesco blames high costs for fulfilment and online marketing for closing Tesco Direct. Photograph: Nick Ansell/PA

Tesco is shutting down its clothing and homewares website Tesco Direct in a surprise move that puts 500 jobs at risk.

Staff were briefed on Tuesday afternoon about the decision to close the lossmaking website which was the supermarket giant's attempt to take on Argos and Amazon by selling everything from sofas to TVs and toys.

Tesco admitted it couldn't see a way to make the website, which launched in 2006, profitable. As a result the retailer said approximately 500 staff were at risk of redundancy.





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#### Globally, there are many retail marketplaces for consumers





















amazon.com





snapdeal















Business model	"Pureplay" marketplace
GMV (Gross Merchandise Value) (Estimate, 2016)	\$550 billion
Market value (Forbes, summer 2018)	\$499 billion
Revenue (2017/2018)	\$37.28 billion
Net income (2016/2017)	\$9.2 billion
Active customers (estimate)	466 million
Marketplace sellers	8.5 million
Revenue growth (2016/2017 vs. 2017/2018)	+62%

Business model	Hybrid marketplace (850 logistics facilities, MWPVL)
GMV (Gross Merchandise Value) (Estimate, 2016)	\$260 billion
Market value (Forbes, summer 2018)	\$778 billion
Revenue (2018)	\$232.9 billion
Net income (2018)	\$10.1 billion
Active customers (estimate)	310 million
Marketplace sellers	2 million (approx. 50% of sales)
Revenue growth (2017 vs. 2018)	+30%

Business model	"B2B2C" marketplace
GMV (Gross Merchandise Value) (Estimate, 2016)	\$117 billion
Market value (Forbes, summer 2018)	\$9.6 billion
Revenue (2018)	\$10 billion
Net income (2018)	\$1.3 billion
Active customers (estimate)	95 million
Marketplace sellers	45 000
Revenue growth (2016 vs. 2017)	+16%



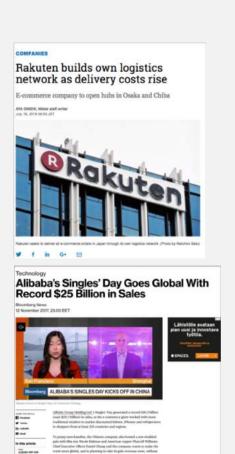


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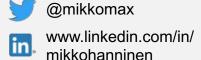


#### What new do digital marketplaces deliver?









#### Marketplaces infuse data and customer understanding across the business model



**Fast deliveries** 



Large selections and low prices



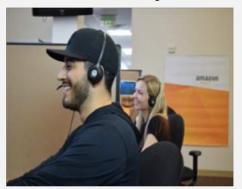
**Trusted Payments** 



**Engaged suppliers** 



**Diverse ecosystem** 



Superior customer experience



**Aalto University** 



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#### **Ecosystem and customer engagement one differentiating factor**







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#### Other is the infusion of data across the business



Dragon Social (2018)

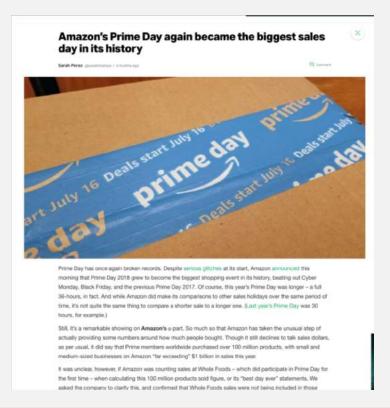




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## Customers are also increasing using marketplaces and digital platforms



#### **EAST TECH WEST**

#### Alibaba sets new Singles Day record with more than \$30.8 billion in sales in 24 hours

- · Alibaba smashed through its Singles Day sales record on Sunday.
- The gross merchandise value (GMV) hit over \$30.8 billion in sales in the 24-hour shopping event.
- That topped the \$25.3 billion record set in 2017.
- Singles Day got off to a strong start with sales hitting \$1 billion in one minute and 25 seconds.

Arjun Kharpal L@ArjunKharpal

Published 4:39 AM ET Sun, 11 Nov 2018 | Updated 8:14 PM ET Wed, 21 Nov 2018

SCNBC

Alibaba on Sunday tore through last year's Singles Day sales record, racking up more than \$30.8 billion in the 24-hour shopping event.







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## Example Amazon. From a book store to a tech giant in 20 years



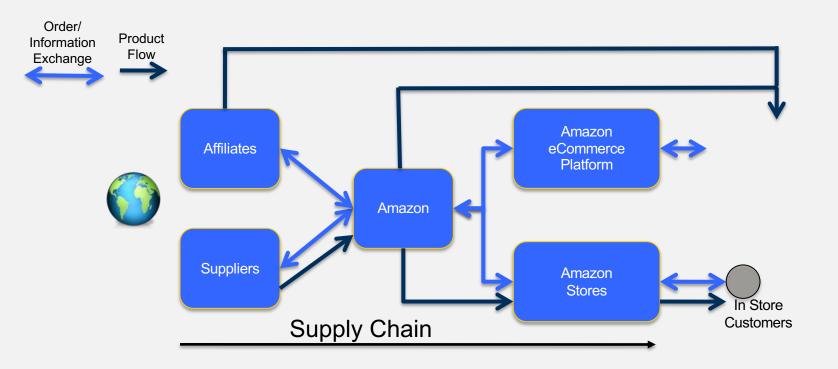




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#### **Example Amazon. Optimizing supply and demand**







## Example Amazon. Ecosystem to support customer engagement





















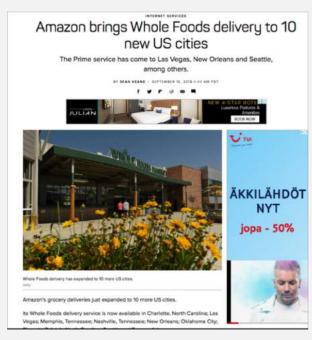


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## Example Amazon. New growth from grocery retail





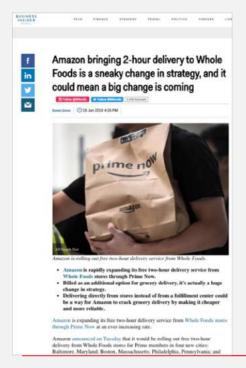


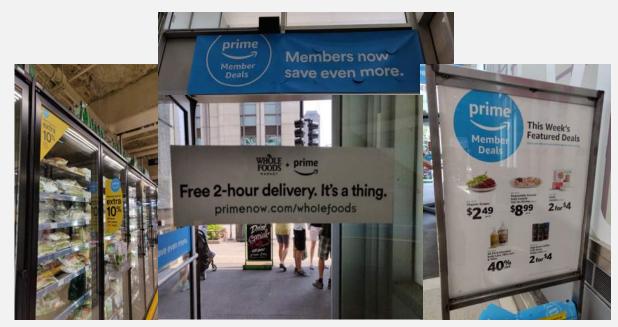


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## Example Amazon. Combining best of physical and digital retail





Whole Foods, Chicago, East Grand Avenue



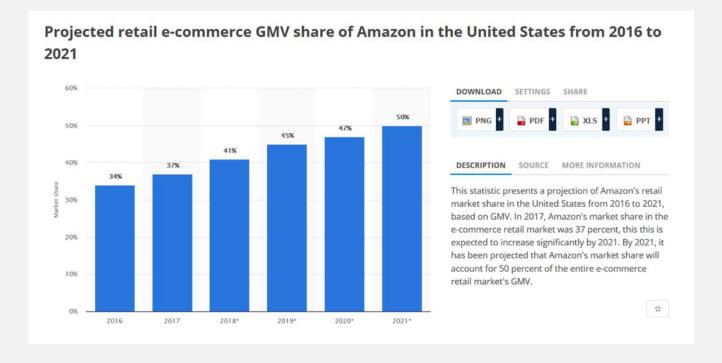
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## Example Amazon. Amazon expected to continue to grow



Statista

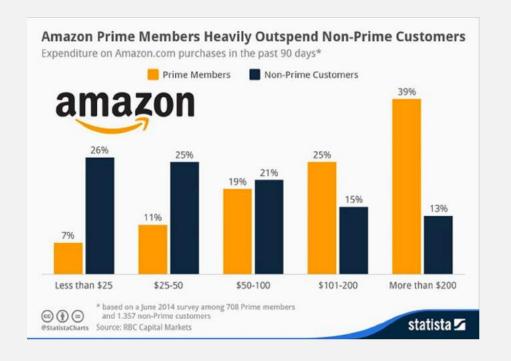








### **Example Amazon. Prime important driver of loyalty**







## Example Amazon. From physical to digital

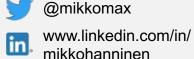
"I often get asked, "When are you going to open physical stores?" That's an expansion opportunity we've resisted. It fails all but one of the tests outlined above. The potential size of a network of physical stores is exciting. However: we don't know how to do it with low capital and high returns; physical-world retailing is a cagey and ancient business that's already well served; and we don't have any ideas for how to build a physical world store experience that's meaningfully differentiated for customers."

- Jeff Bezos, Amazon Annual Report, 2006



2006 2018





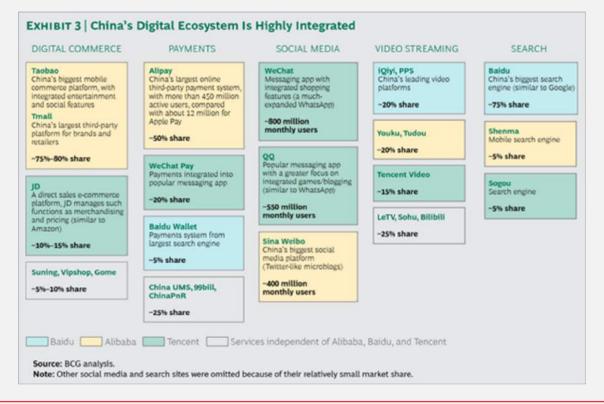
#### Example Alibaba. Worlds largest marketplace







#### Example Alibaba. China a frontrunner in digital retail







#### **Example Alibaba. Global aspirations?**

"My vision is to build an e-commerce ecosystem that allows consumers and businesses to do all aspects of business online. We are going into search with Yahoo and have launched online auction and payment businesses. I want to create one million jobs, change China's social and economic environment, and make it the largest Internet market in the world."

- Jack Ma, Interview Inc magazine, 2008

2006

"In the past 15 years, we grew from nothing to this size and 15 years from now, I want people to know about Alibaba because it's everywhere. Fifteen years ago, we wondered what ecommerce was, why small business could use ecommerce, and Internet to do business across the nation. I hope that 15 years from now, people would forget about ecommerce. It's like electricity. Nobody thinks its high tech today. Fifteen years from now, I don't want us to walk on the street still, talking about how and why ecommerce can help people."

- Jack Ma, Interview with Charlie Rose,2015

2015





#### So how to succeed in this age of increasing digital, data-driven, retail?

- 1) Unique and competitive selection, brand and image.
- 2) Outstanding customer experience and engagement.
- 3) Advanced use of customer insights and data analytics. Data-driven business approach.
- 4) Use of platforms, ecosystems and new business models.
- 5) Offering superior benefits and services to customers, suppliers and partners (e.g. Rakuten Super Points, Fulfillment by Amazon)







#### Q & A

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