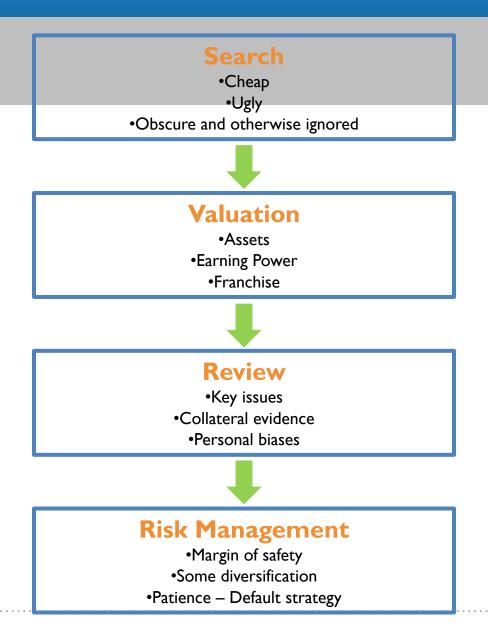
From value investing to modern value

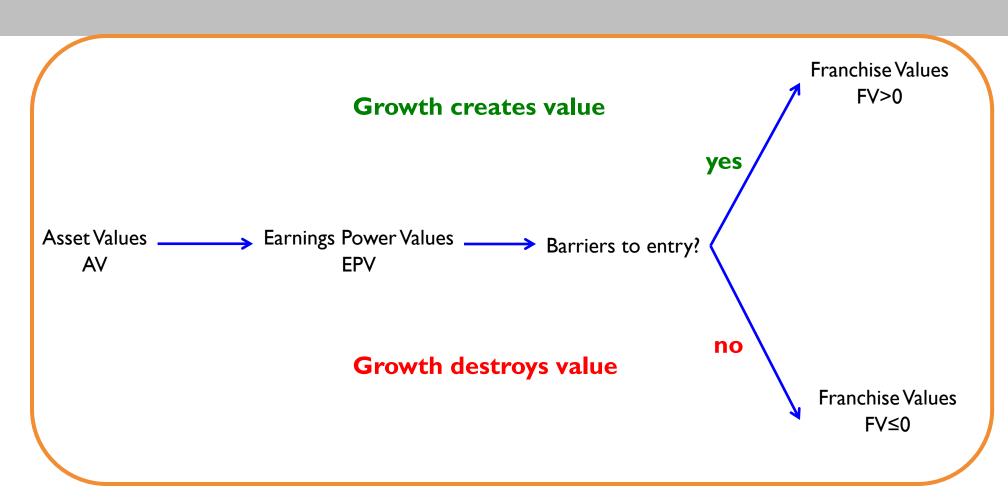




The Value Investing Process

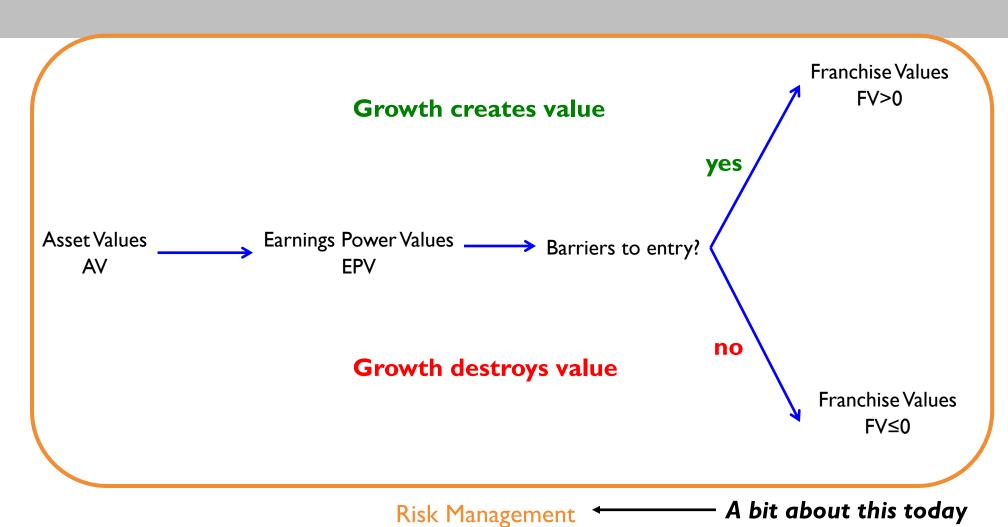


Value and growth



Risk Management

Value and growth



.....



On shocks: classification

Nature of risks

		Temporary	Permanent
Idiosyncratic	Management		
	Operational		
Industry	Input prices		
	Technology		
	Regulation		
	Import penetration		
Aggregate	Recession		
	Depression		
	Inflation/deflation		
	Political		

On shocks: classification

Nature of risks What are the effects of a drop in oil prices? Example: Energy and value traps **Temporary Permanent Management** How to think about technology and value? Idiosyncratic Disruption and value creation **Operational** Example: The payments industry and Adyen **Input prices Technology** Industry Regulation **Import** What triggers regulation? penetration Regulation and value creation Recession Example: Should we regulate AMZN, FB, ...? Depression Aggregate Inflation/deflation What are the effects of import penetration **Political** on local industries? Import substitution and value creation

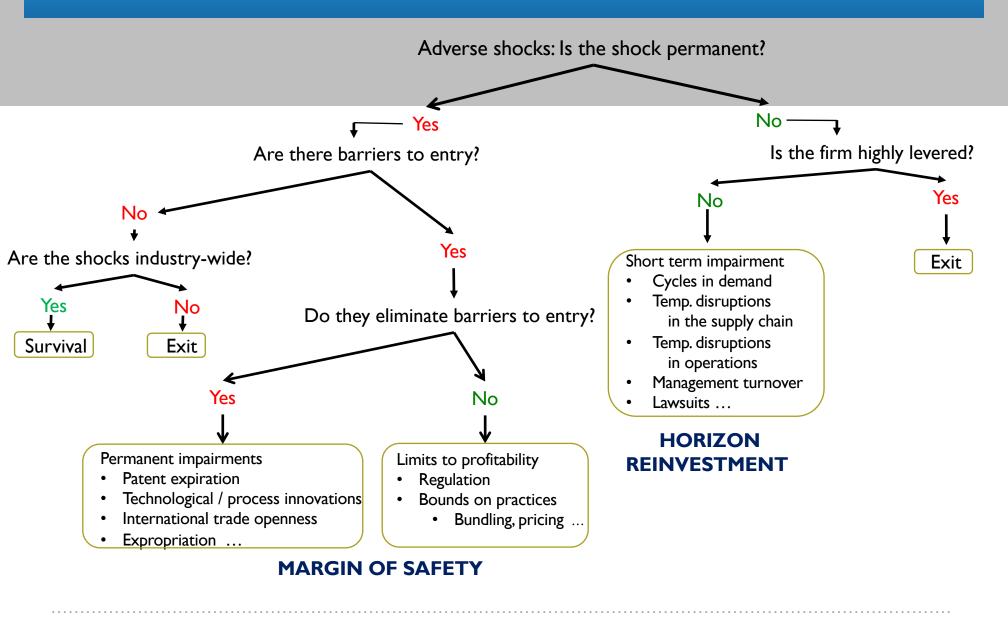
Example: The bankruptcy of FBI

On shocks: classification

Nature of risks

		Temporary	Permanent
Idiosyncratic	Management		
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Industry	Input prices		
	Technology		
	Regulation		
	Import penetration		
Aggregate	Recession		
	Depression		
	Inflation/deflation		
	Political		
	COVID-19	✓	

On shocks: risk management





On shocks: What do disruptions (permanent shocks) do?

They kill a particular economic activity

Example: Technology – Horse carriage and the car

Example: Regulation – The jitney craze of of 1914 – 1918

2. They transform how a particular economic activity either supplied or consumed

Example: e-retailing,

Example: The payments industry

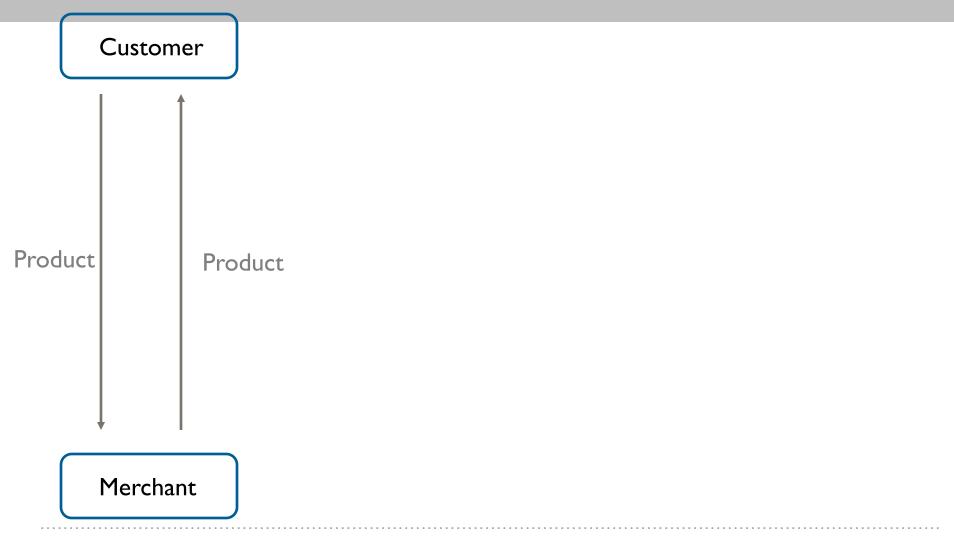
3. They unbundle how particular economic activities are either supplied or consumed

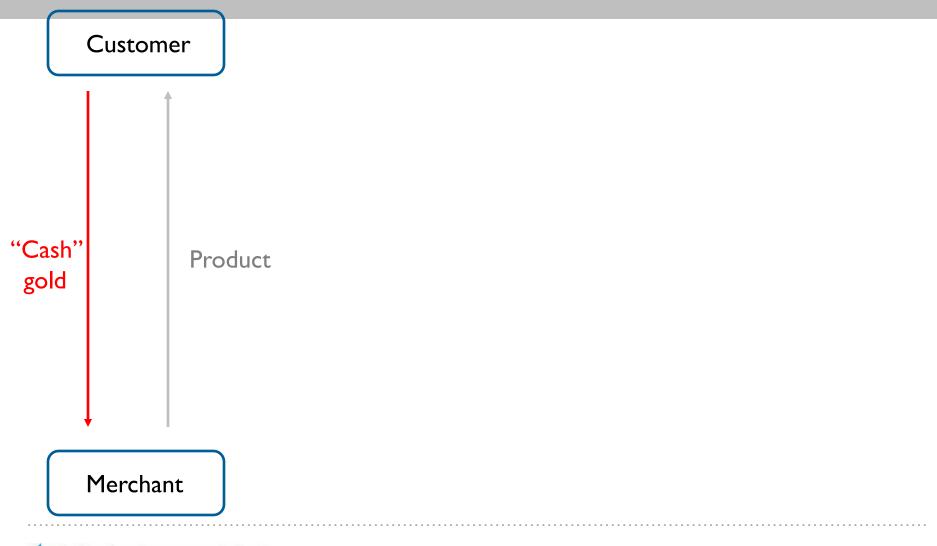
Example: advertising and news

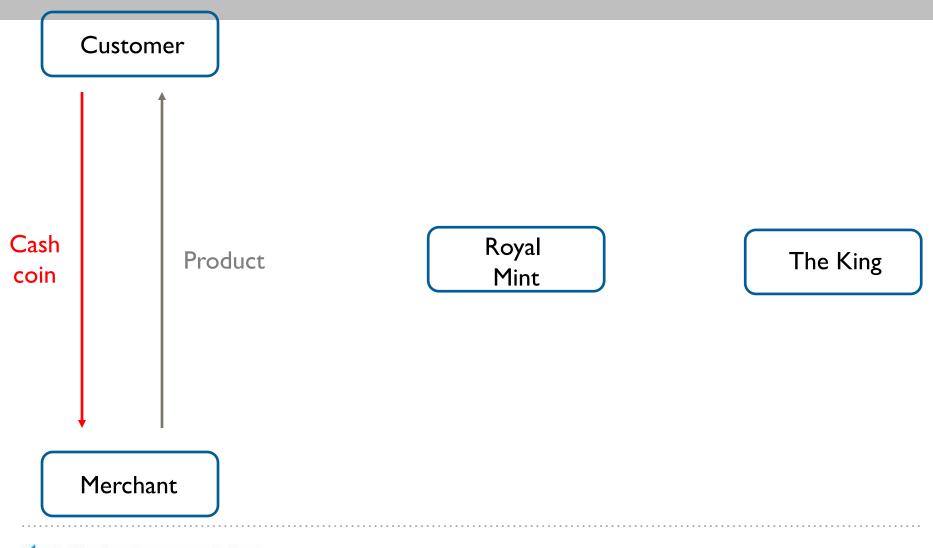
On trends: What do trends do?

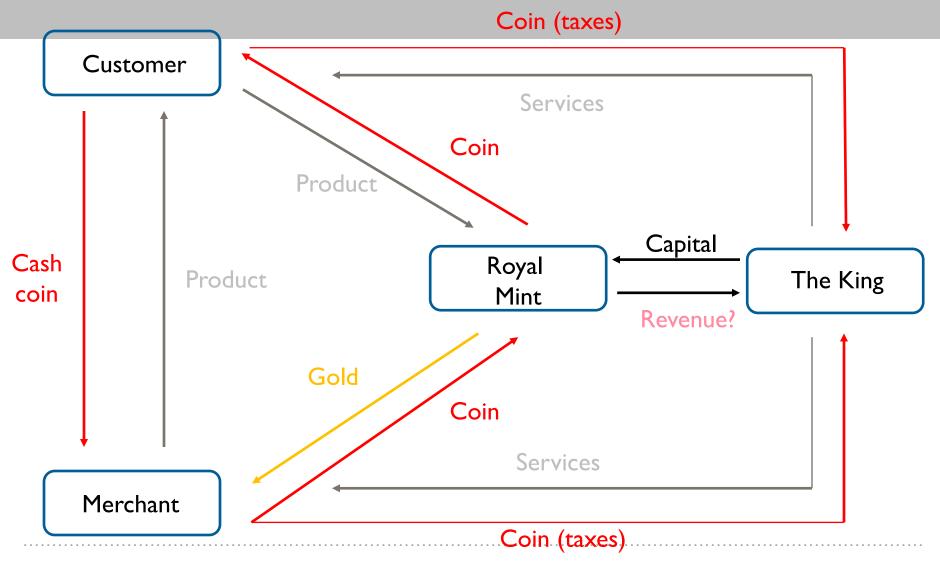
- Trends refer to the widespread adoption of practices, behaviors and institutions that are already operational in another:
 - Country
 - Sector
 - Demographic groups
- It is the process of diffusion rather than of disruption
 - It is predictable and dominated by the trend rather than by the fluctuations around the trend
- It is irreversible, though it can be overtaken by another trend
- Companies benefit from that trend if, and only if, their business operations are protected by barriers to entry.

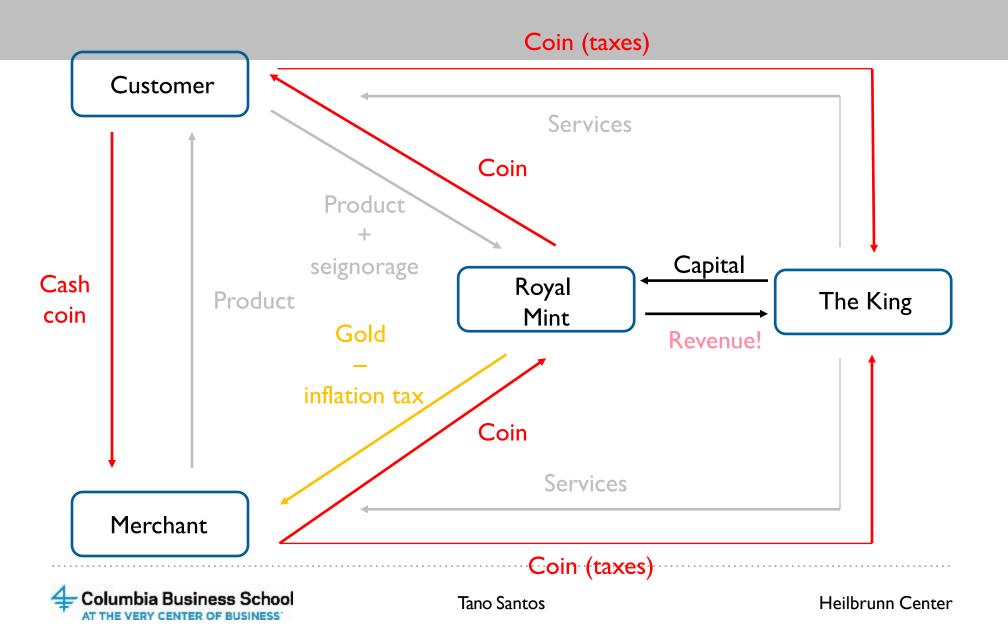


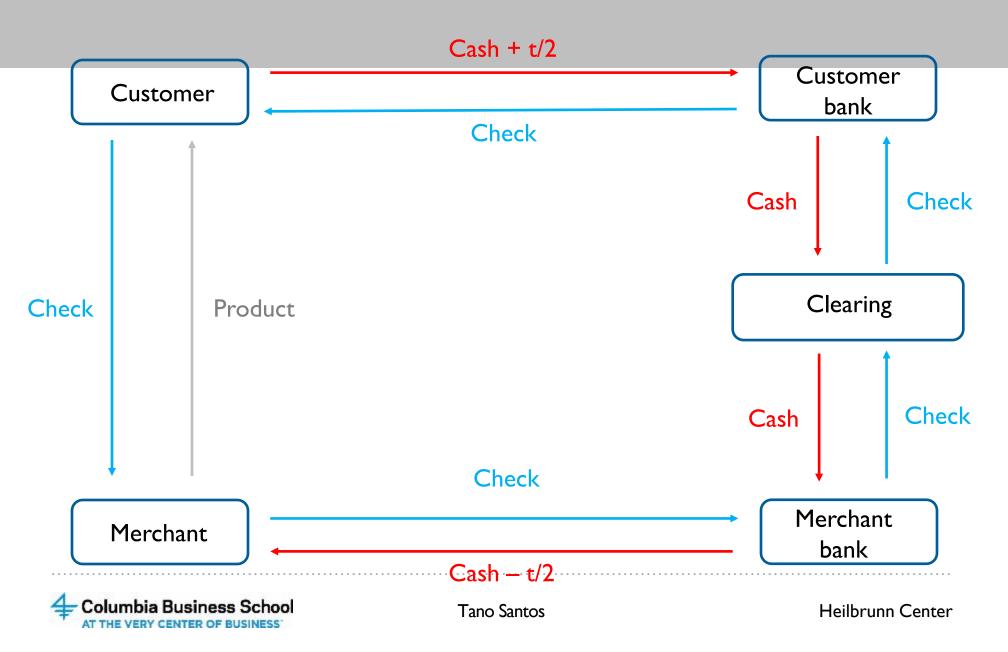


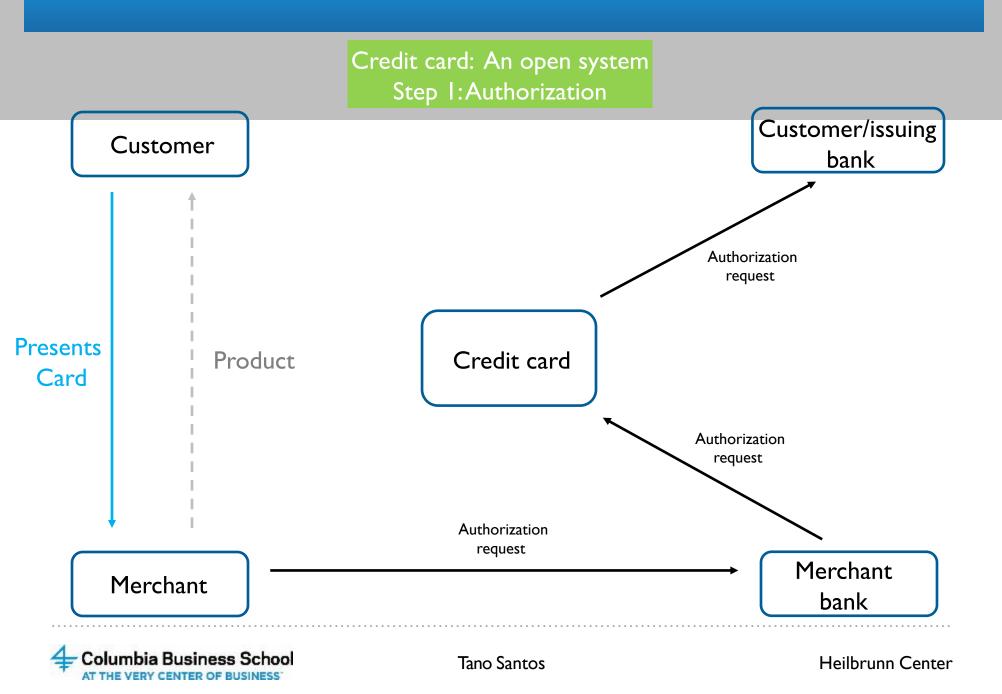


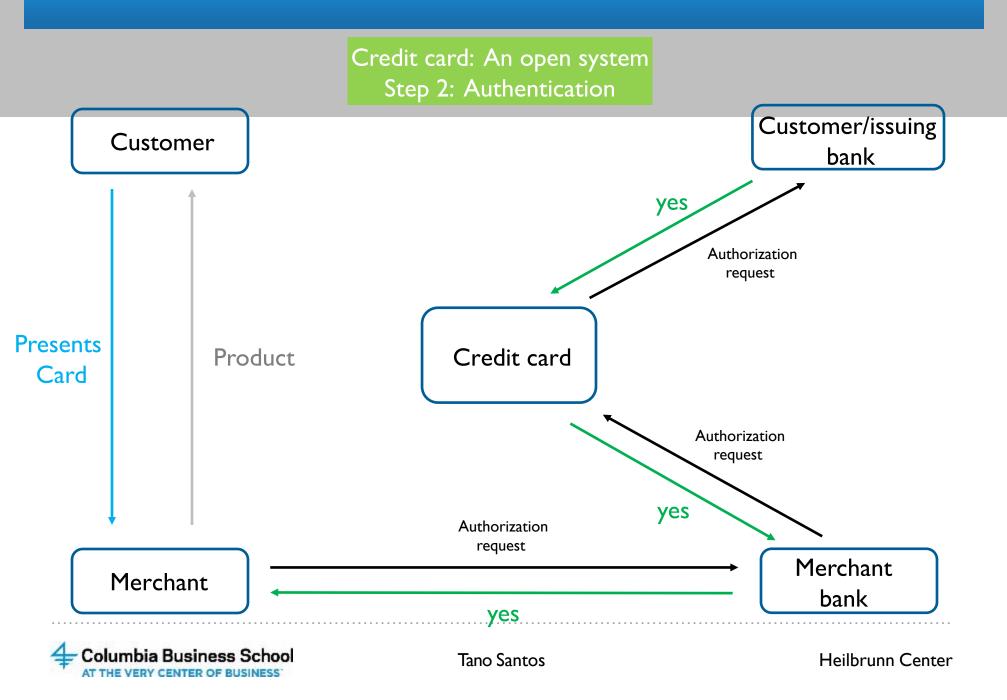


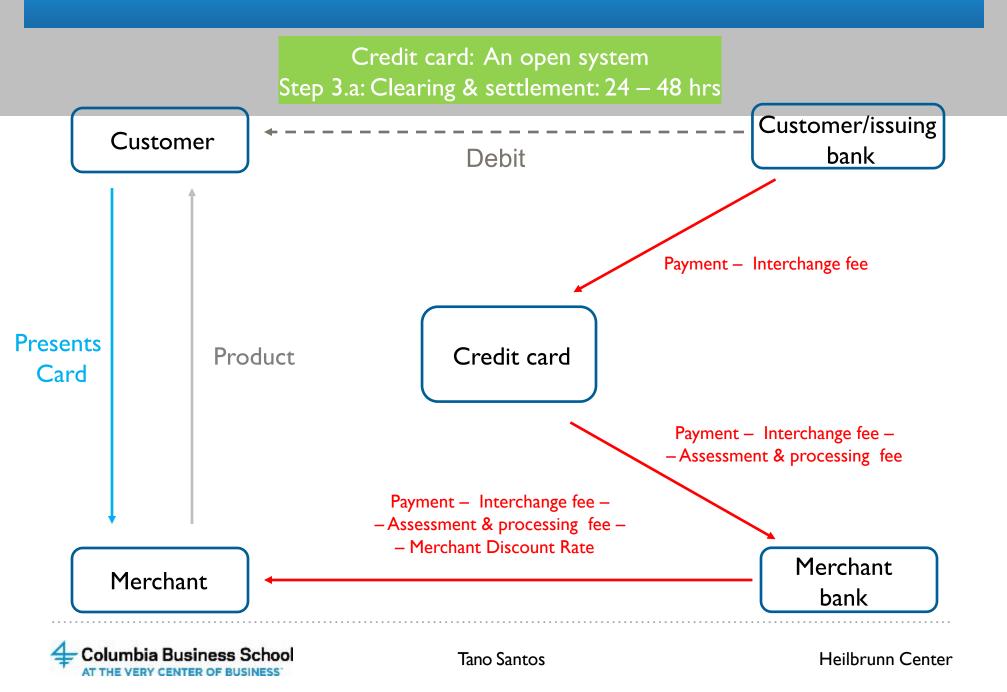












Credit card: An open system

Step 3.b: Clearing & settlement: end of the month

Customer

Payment (+ interest)

Customer/issuing bank

Credit card

Merchant

Merchant bank



Credit card: An open system Where is the risk?

Customer

Credit risk

Customer/issuing bank

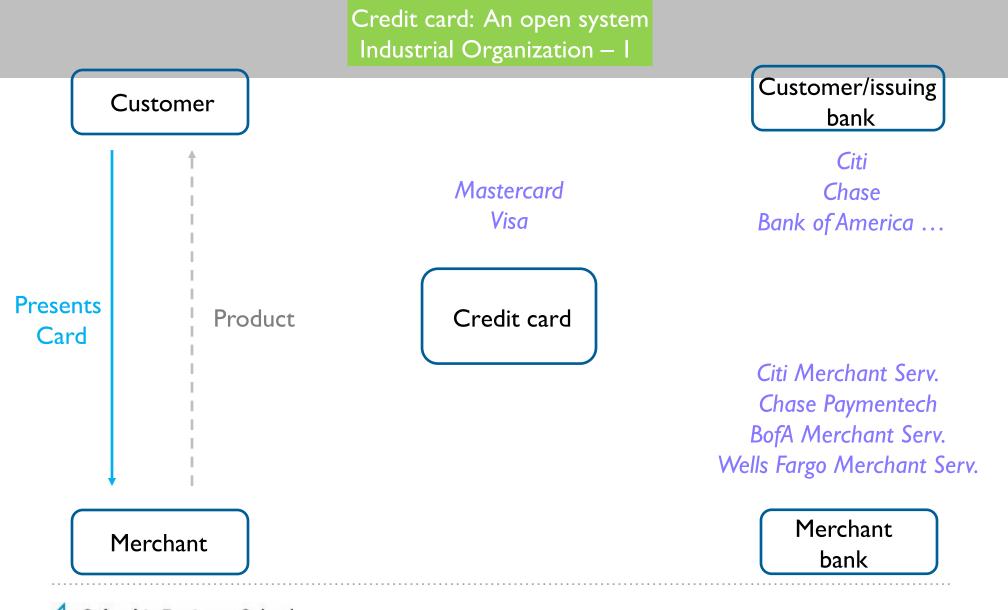
Credit card

Merchant

Fraud, CNP risk

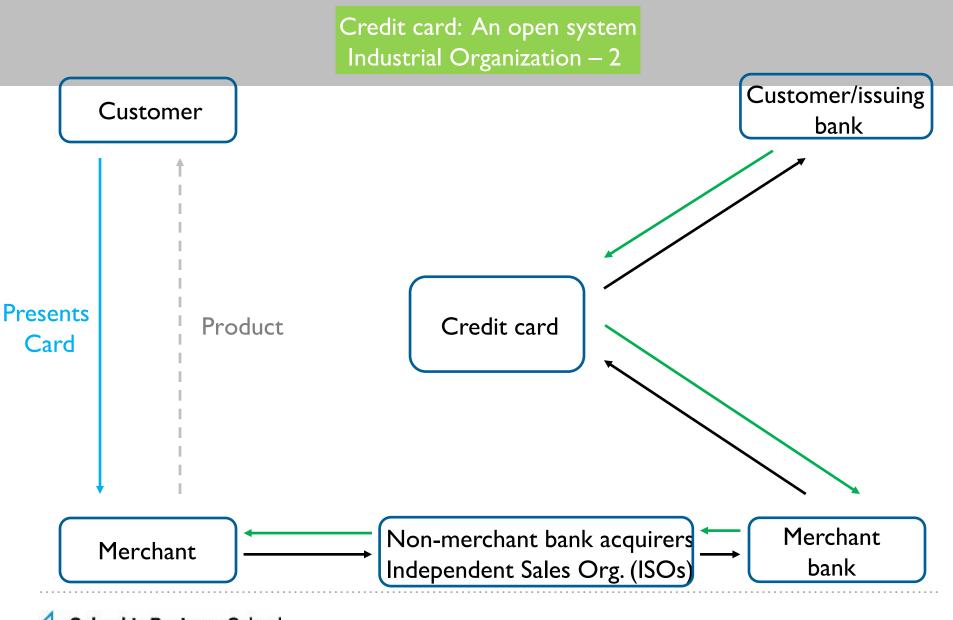
Merchant bank



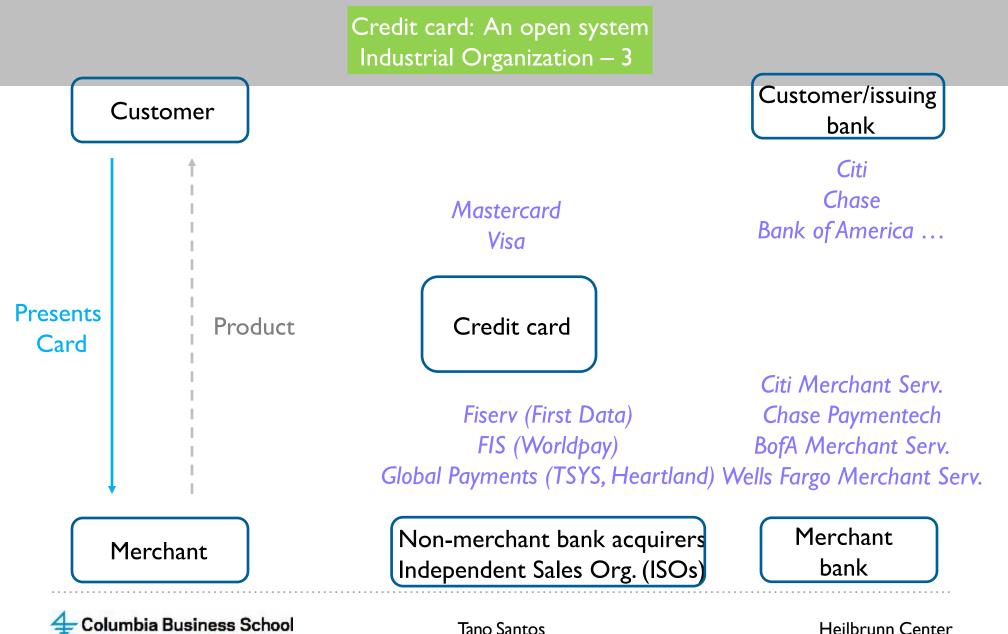


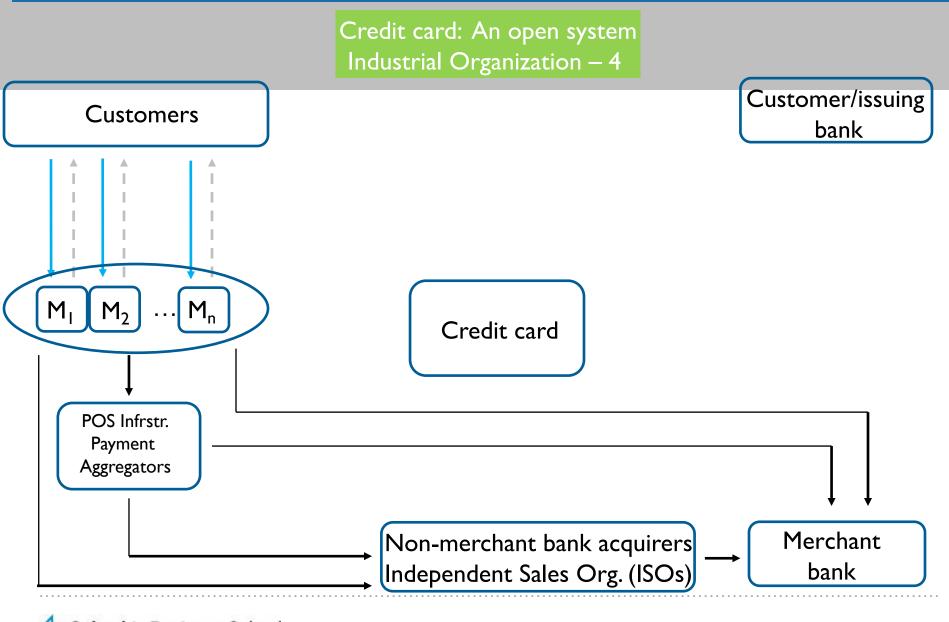
Tano Santos

Heilbrunn Center





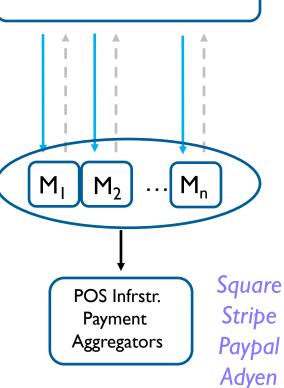






Credit card: An open system Industrial Organization – 5

Customers



Mastercard Visa

Credit card

Fiserv (First Data) FIS (Worldpay) Global Payments (TSYS, Heartland) Wells Fargo Merchant Serv.

Non-merchant bank acquirers Independent Sales Org. (ISOs)

Customer/issuing bank

Citi Chase Bank of America ...

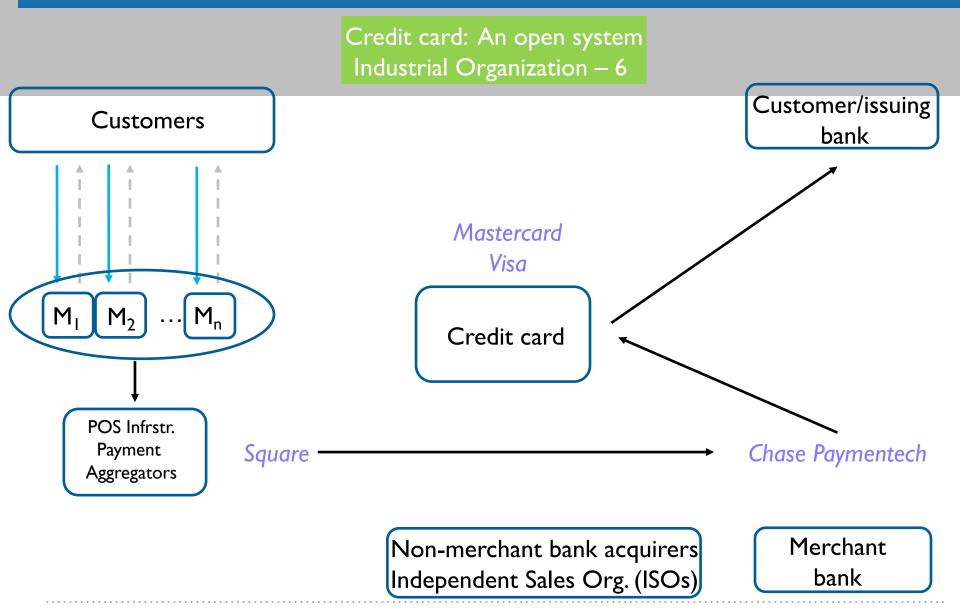
Citi Merchant Serv. Chase Paymentech BofA Merchant Serv.

> Merchant bank

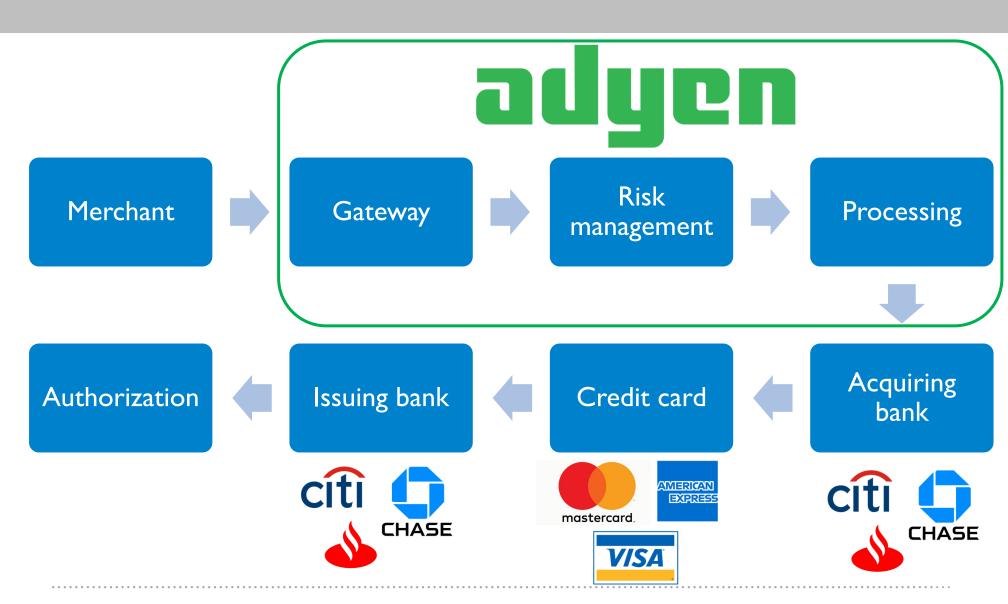


Customer/issuing Customers bank Citi Chase Mastercard Bank of America ... Visa Credit card Citi Merchant Serv. Square POS Infrstr. Fiserv (First Data) Chase Paymentech Stripe **Payment** FIS (Worldpay) BofA Merchant Serv. Aggregators Paypal Global Payments (TSYS, Heartland) Wells Fargo Merchant Serv. dyen Non-merchant bank acquirers Merchant Independent Sales Org. (ISOs) bank





Where is Adyen in the payment process





Trends: Taxonomy

Trends The consumer

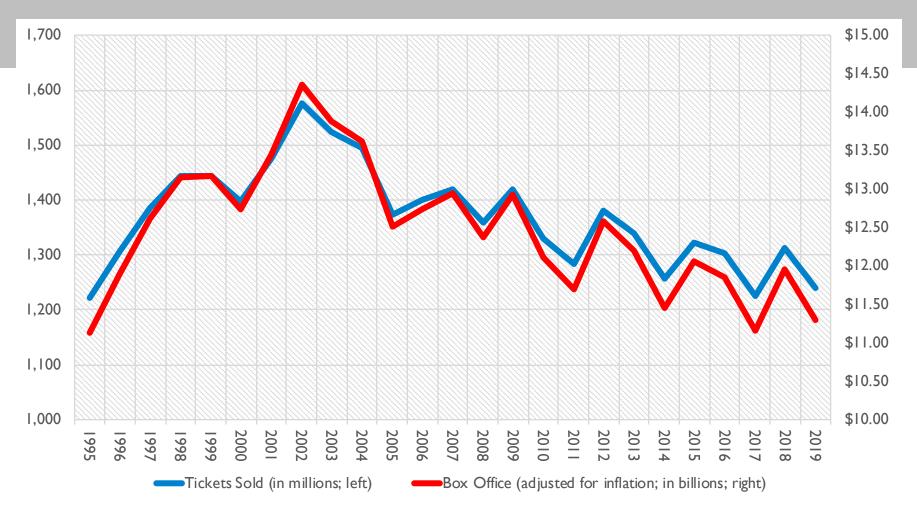
- Wealth accumulation
- Demographic changes
- Behavioral changes
- Technology adoption

The firm

- Business process adoption
- Automatization
- Direct to consumer
- Standardization
- HR practices
- Compliance

- **Governance & Institutions**
 - Regulation
 - Market adoption
 - Political trends

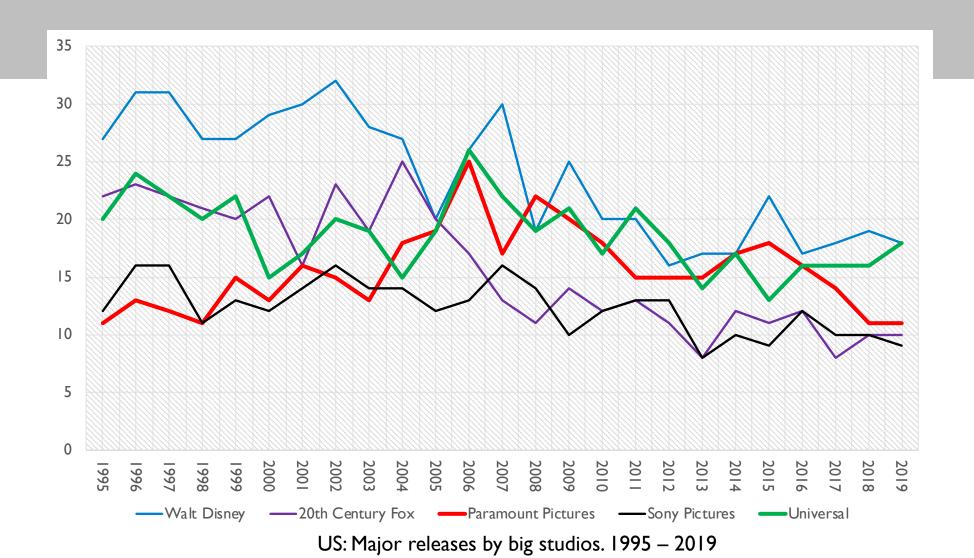
Trends: The death of the movie theater



US:Tickets sold (in millions) and Box office receipts (in billions). 1995 – 2019 Source:The Numbers



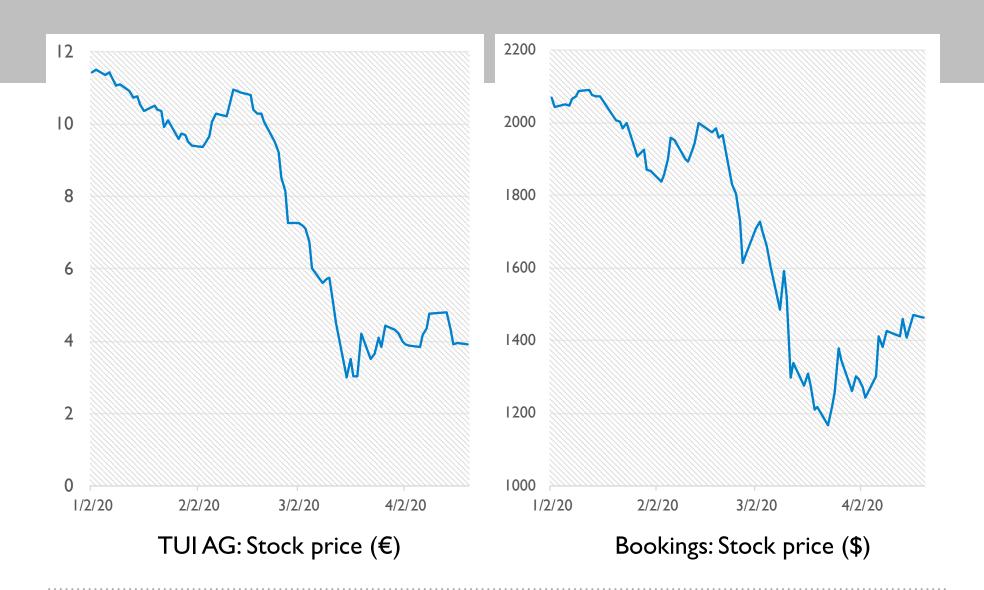
Trends: The death of the movie theater





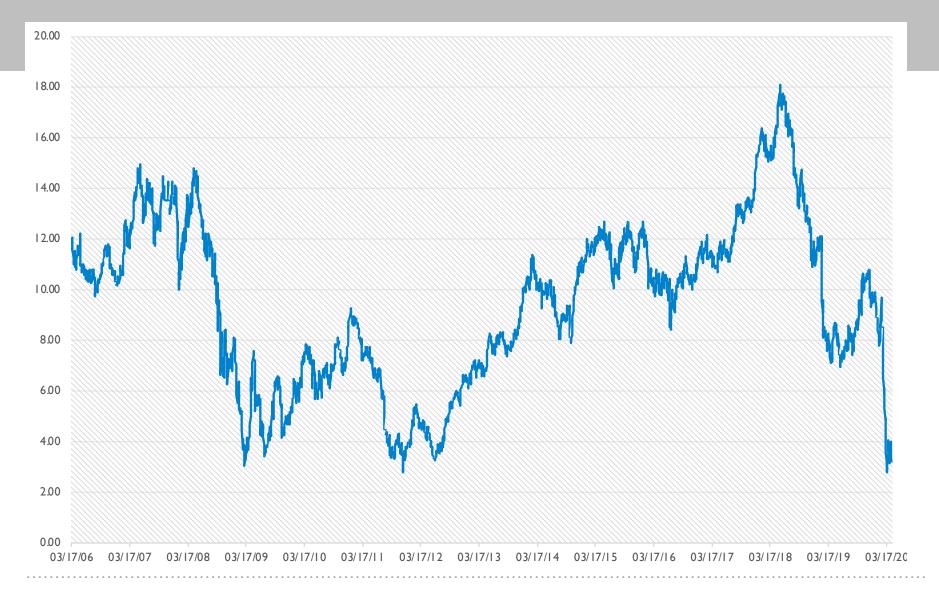
Source: The numbers

Travel agencies: Stock Prices: This year

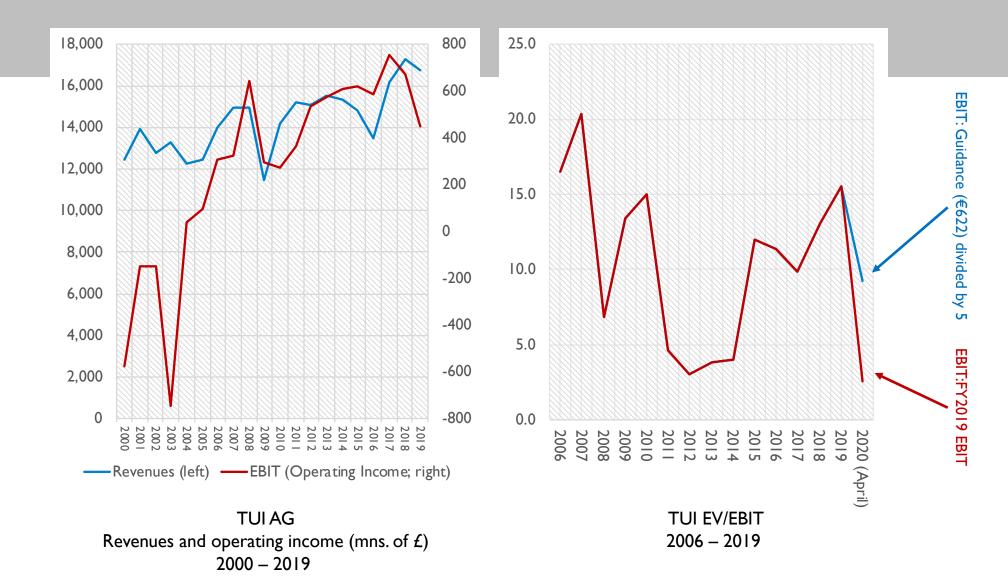




TUI AG: Stock price (£): 03/17/2006 - 04/21/2020

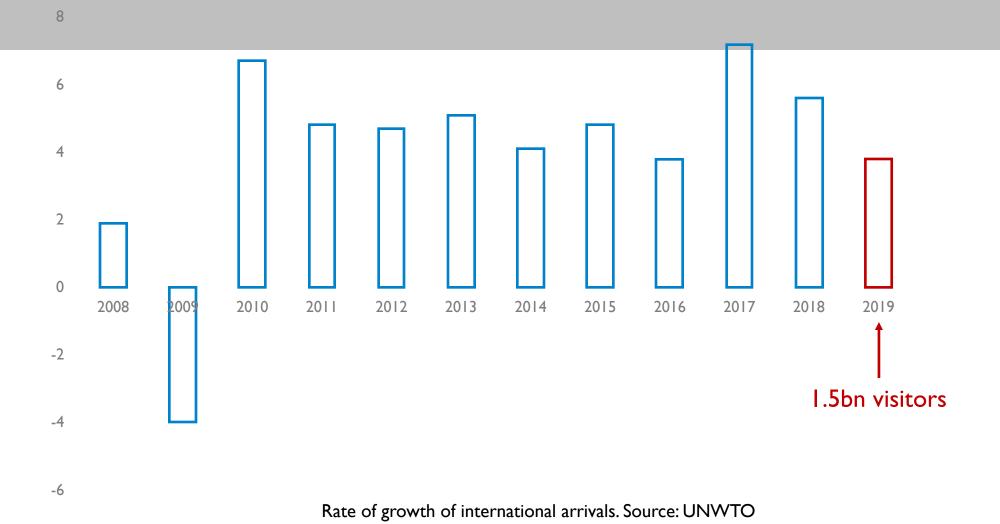


TUI AG



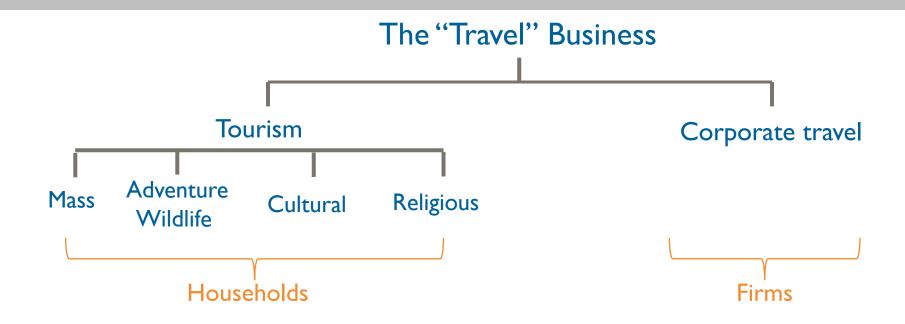


Is it growing?

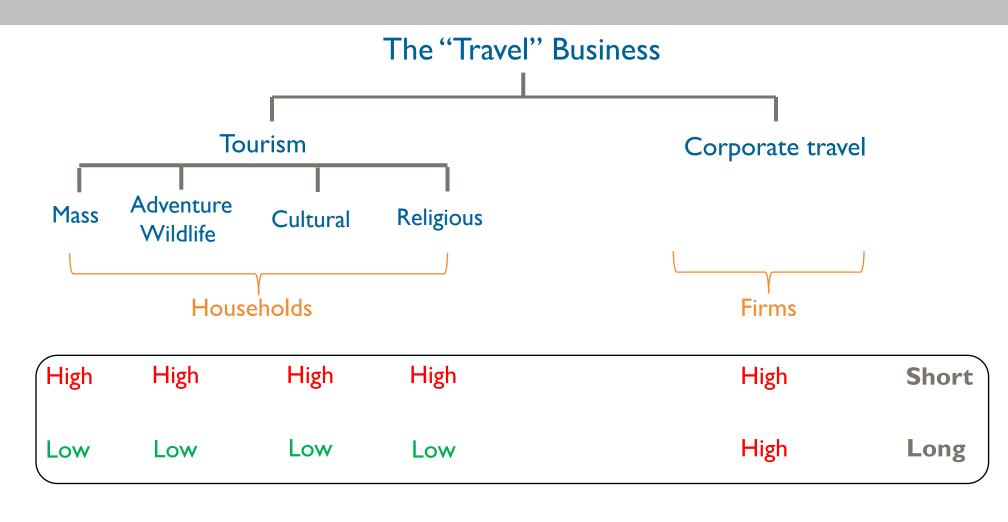




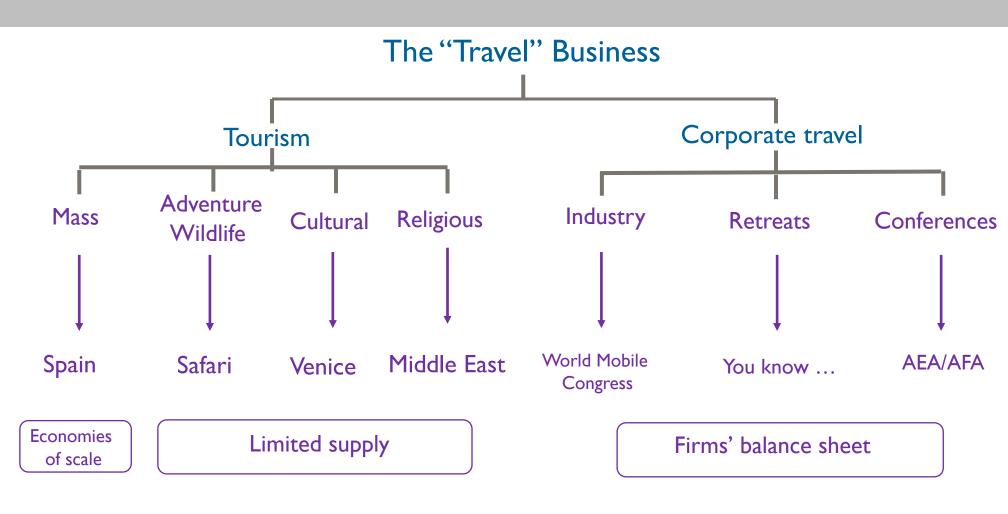
The "Travel" business: A bird's eye view



The "Travel" business: Exposure to Coronavirus



The "Travel" business: Main economic determinant



Tourism: Is this a good country for tourism?



Tourism: Is this a good country for tourism?



Tourism: Is this a good country for tourism?

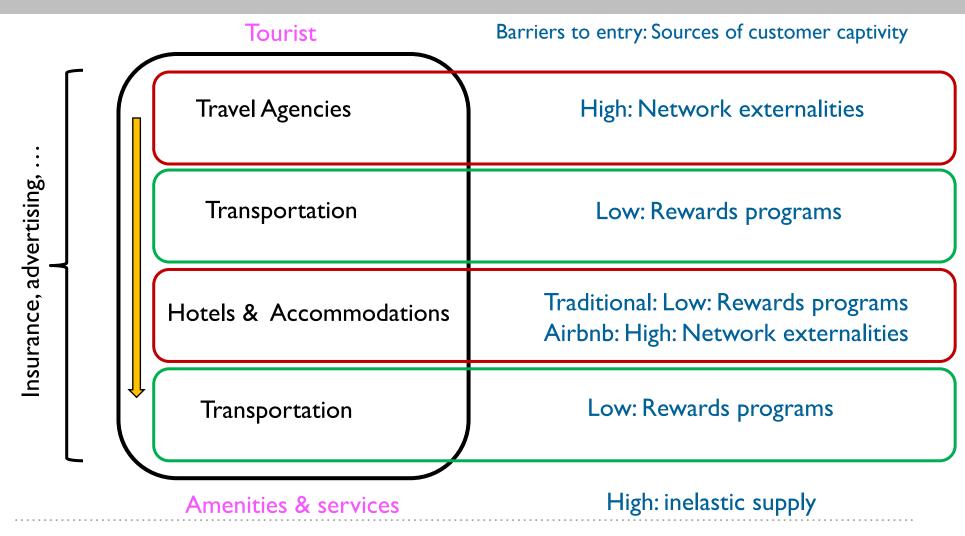


Tourism: The value chain





Tourism: The value chain





Tourism: OTAs

- How do you book a hotel in Rome?
 - I. OTA
 - Bookings, Expedia
 - 2. Metasearch/aggregator
 - Trivago, TripAdvisor
 - 3. Alternative
 - Airbnb
 - 4. Direct booking
 - Le Meridien Visconti
 - 5. Search engine
 - Google

Tourism: OTAs

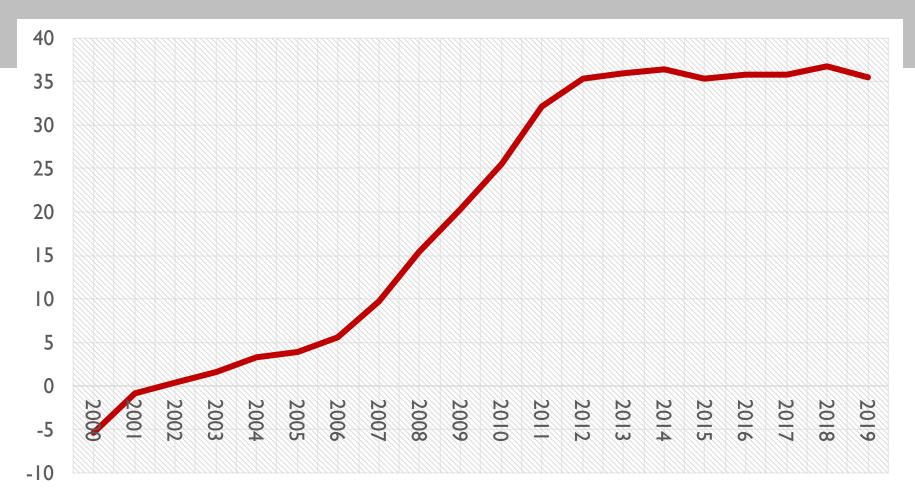
- OTAs: Business models
 - I) Merchant model
 - OTA buys blocks of rooms at a discount and resells them for a profit
 - Customers pay the OTA in time of booking and the OTA pays the hotel at checkout.
 - 20-30% fee
 - Example: Expedia
 - 2) Agency model
 - Middleman and no payment upfront
 - 10-15% fee at checkout from hotel
 - Small versus large hotels (think Europe)
 - Example: Bookings



Tourism: OTA

- OTAs match customers with hotels
 - The logic of platform economics
 - Example: Mastercard or Visa
- Problem
 - Most travelers start their trip by searching locations, amenities and hotels in ... Google.
 - Would Google steal the business away?
 - How much does the travel industry pay Google in marketing expenses? \$14bn
 - Value of travel industry payments to Google (annuity) at 10% with 5% growth: \$280bn
 - Cost of reproducing the network?
 - Operating margins of a network at work next

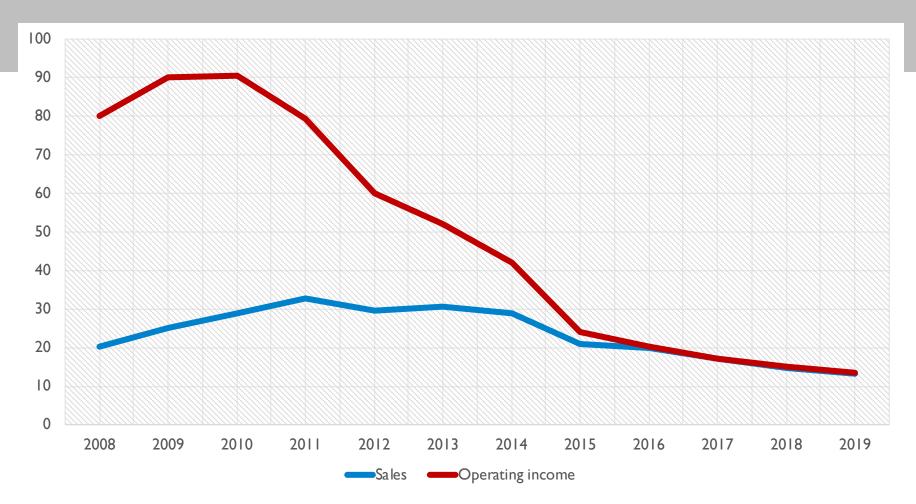
OTAs: Bookings: Operating margins



Bookings: Operating margins. 2000 – 2019 Source: Annual Reports



OTAs: Bookings: Revenue and operating income growth



Bookings: Revenue and Op. Income growth (MA4) . 2008 – 2019 Source: Annual Reports

OTAs: Bookings: EPV

item	FY2019
Revenues	15,066.0
Operating Margin	35.5
Op. Income	5,345.0
Adjustments	
Performance marketing	4,419.0
Brand Marketing	548.0
Adj. Op. Income	5,893.0
Tax Rate (%)	22.8
NOPAT	4547.I
Discount rate (%)	10.0
EPV Op. Buss.	45,470.8
Cash	7,330.0
Debt	9,251.0
EPV Equity	43,549.8
Market cap (05-11-2020)	56,730.0
Market cap (03-23-2020)	47,303.2

