



Airline Revenue Management

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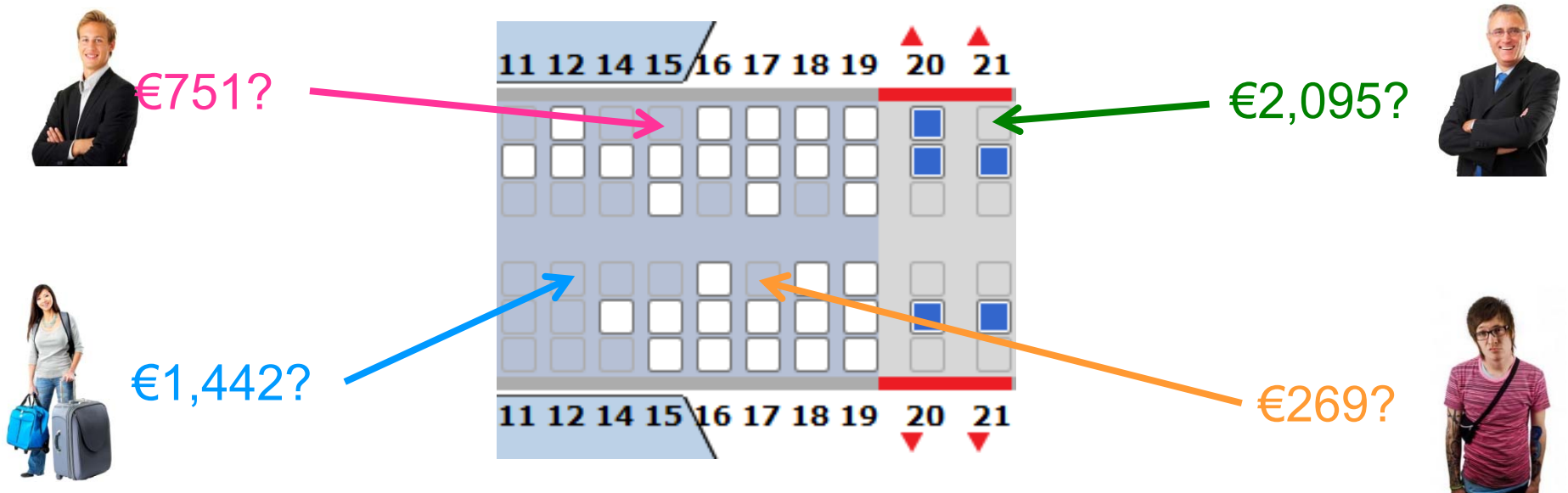
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Objectives

- Explain why revenue management is important
- Define best revenue management tactics that are important for your airline
- Describe which ancillary revenues can improve your airline's bottom line and why it is important
- Explain how social media, online booking and big data can cut costs and improve your airline revenue

Why does airline pricing seem so random?

- How did another passenger pay 50% less than I did?
- Why did the fare increase €1,000 overnight?
- Does it really cost the airline 3x as much to fly on Thursday?
- Why do I have to pay ~~€59~~ to sit in the exit row?



Airline Revenue Management – Overview

Why is revenue management important?

How do economic concepts drive revenue management?

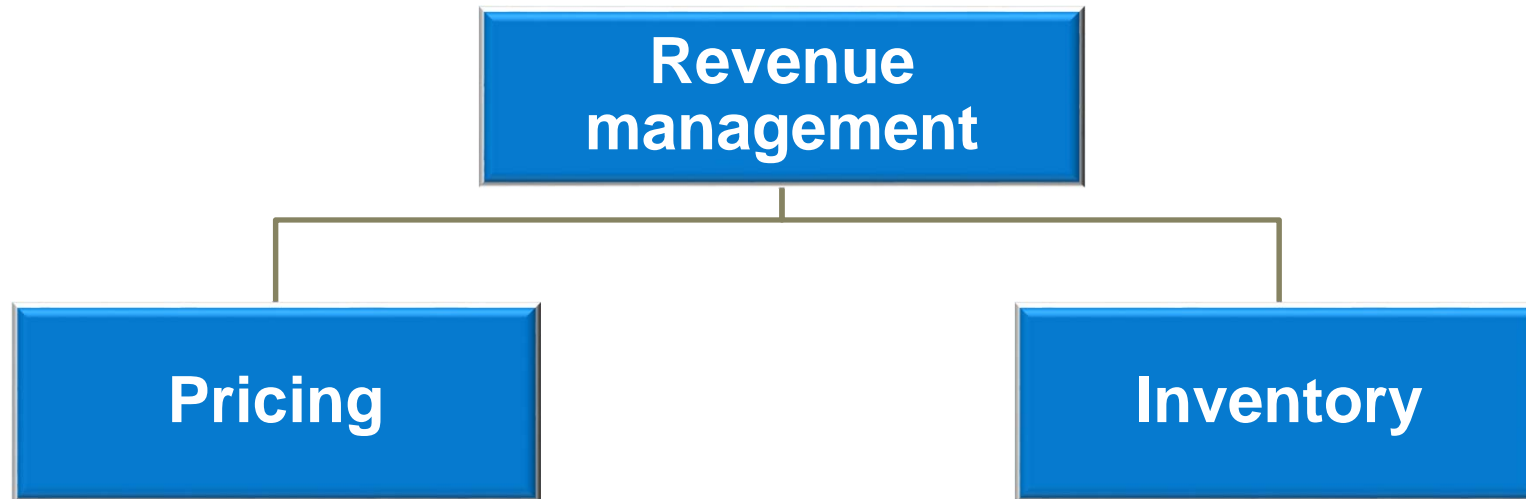
Core principles of revenue optimization

How are customers impacted by revenue management?

How does the revenue management process work?

Challenges and trends in revenue management

What is revenue management?



- Create overall pricing strategy based on cost and competition
- Determine fare levels (prices)
- Design fare rules to differentiate business vs. leisure customers
- Evaluate and respond to competitor fare/capacity changes

- Forecast high-fare vs. low-fare demand for each flight
- Decide how many seats to sell at each price according to demand
- Monitor demand on each flight and adjust fare availability to match
- Manage overbooking levels based on expected cancellations and no-shows

Why have revenue management?

Balance supply and demand with variable pricing

Protect seat inventory for the airline's most valuable customers

Stimulate demand on *(or shift to)* flights with excess capacity

Capture maximum possible revenue from each customer

Protect the airline's competitive position in a market

**Ultimate goal:
*Maximize revenue (minimize loss) on every flight!***

Revenue has a disproportionate impact on profitability



A 1% increase in revenue has same affect on operating profit as:



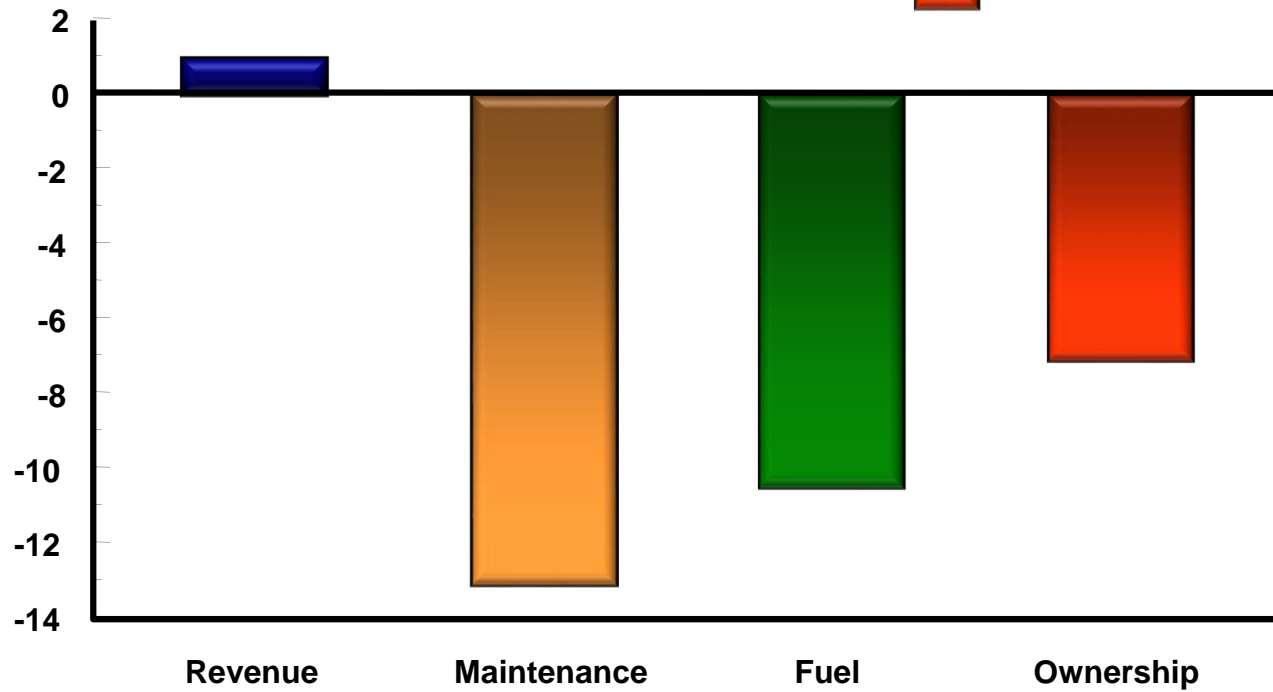
A 13.1% decrease in maintenance cost



A 10.5% decrease in fuel expense



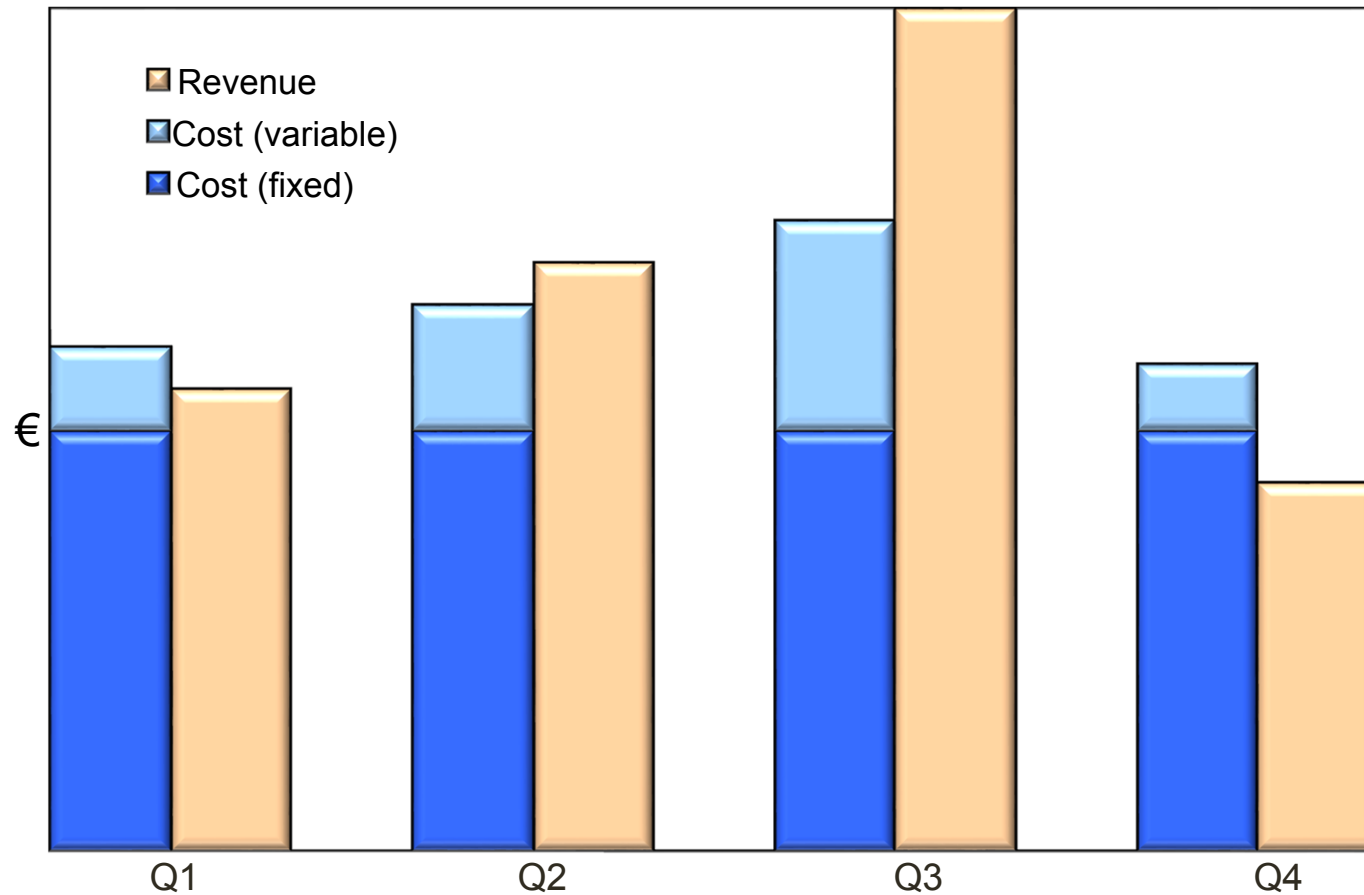
A 7.1% decrease in ownership cost



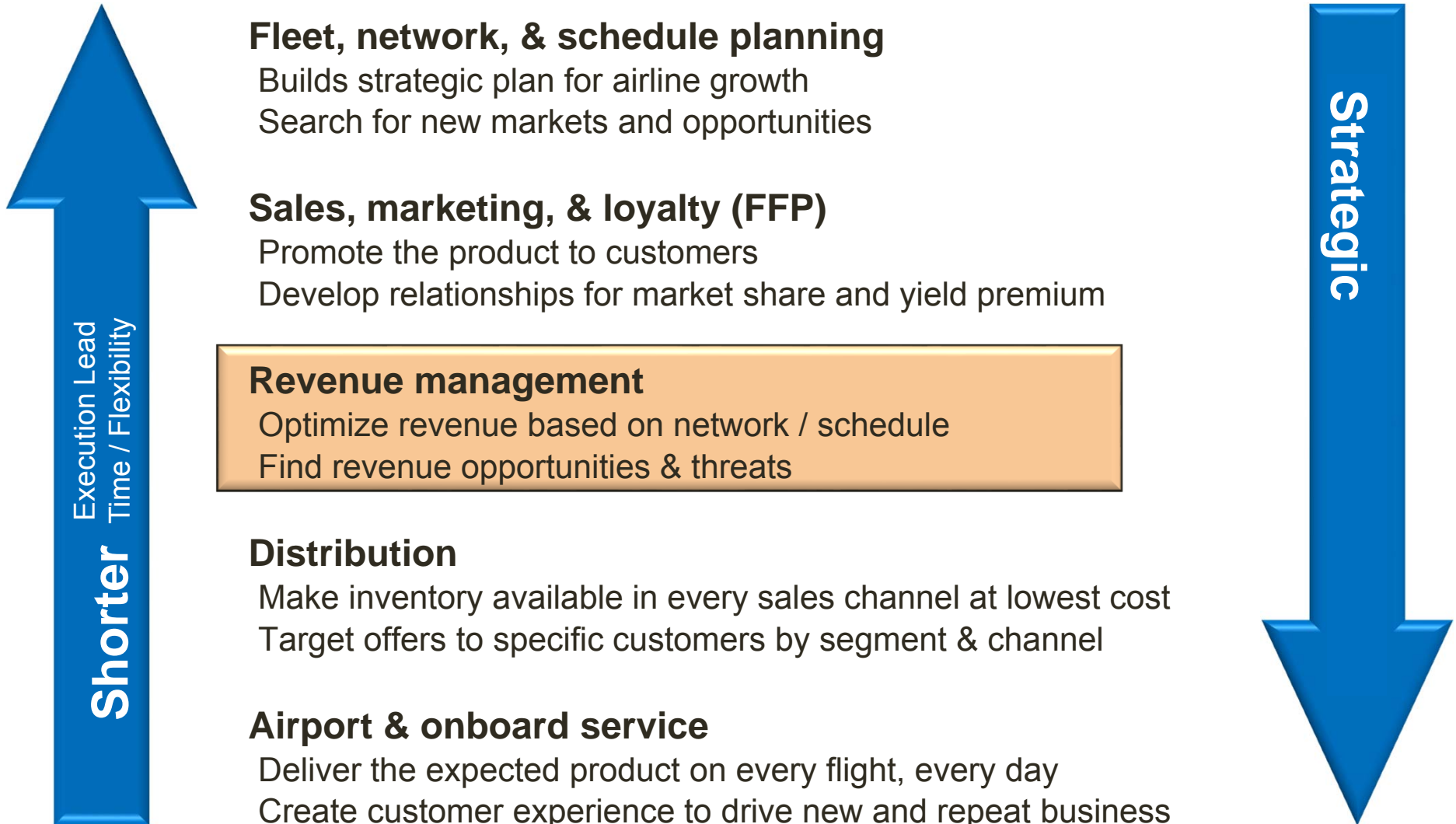
777-200ER
US International Rules
3,000 nm

An entire year's profit can be made *(or lost!)*
in just one season

Sample Airline Profitability By Season



Revenue management is the core of the airline's revenue-generation chain



A revenue forecast & variances from plan create an early warning system

Warns of future revenue shortfalls

Allows the airline to take action through adjustments to pricing, distribution, promotions, or schedule

Identifies specific source(s) of revenue weakness

Which markets or points of sale?

Which seasons or days of week?

Evaluates impact of competitors' actions and strategies

Decision to match a competitor's fare reduction

Competitive capacity changes relative to total demand

Demand forecasts provide critical information for airline decisions



Identify revenue opportunity on each flight

Allows airline to keep seats available for late bookings (high-revenue customers)

Provide guidance for personnel and equipment planning during peak travel seasons

Revenue management uses forecasting to match pricing to demand by opening and closing fare classes

Maximize revenue by selectively accepting or rejecting reservation requests based on value relative to forecasted demand



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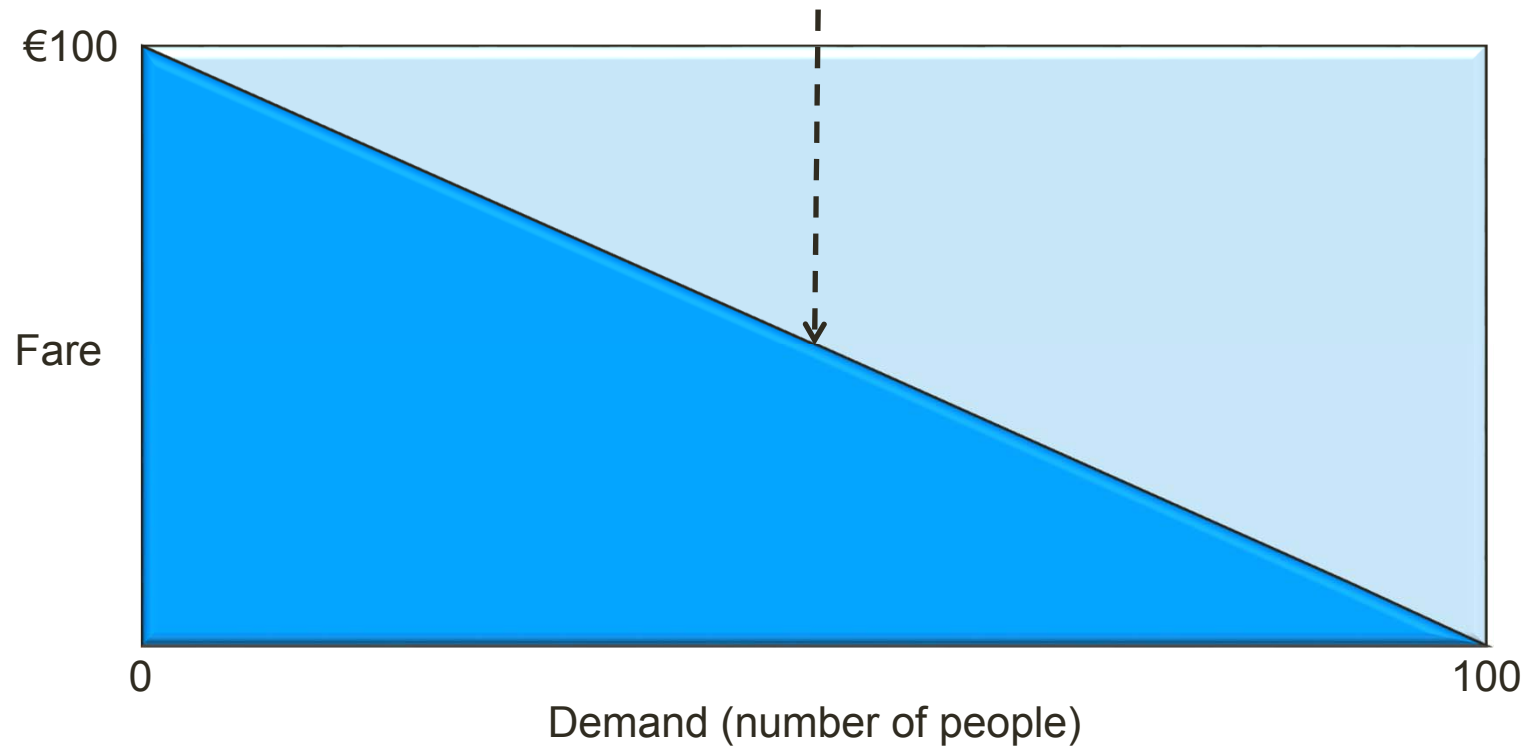
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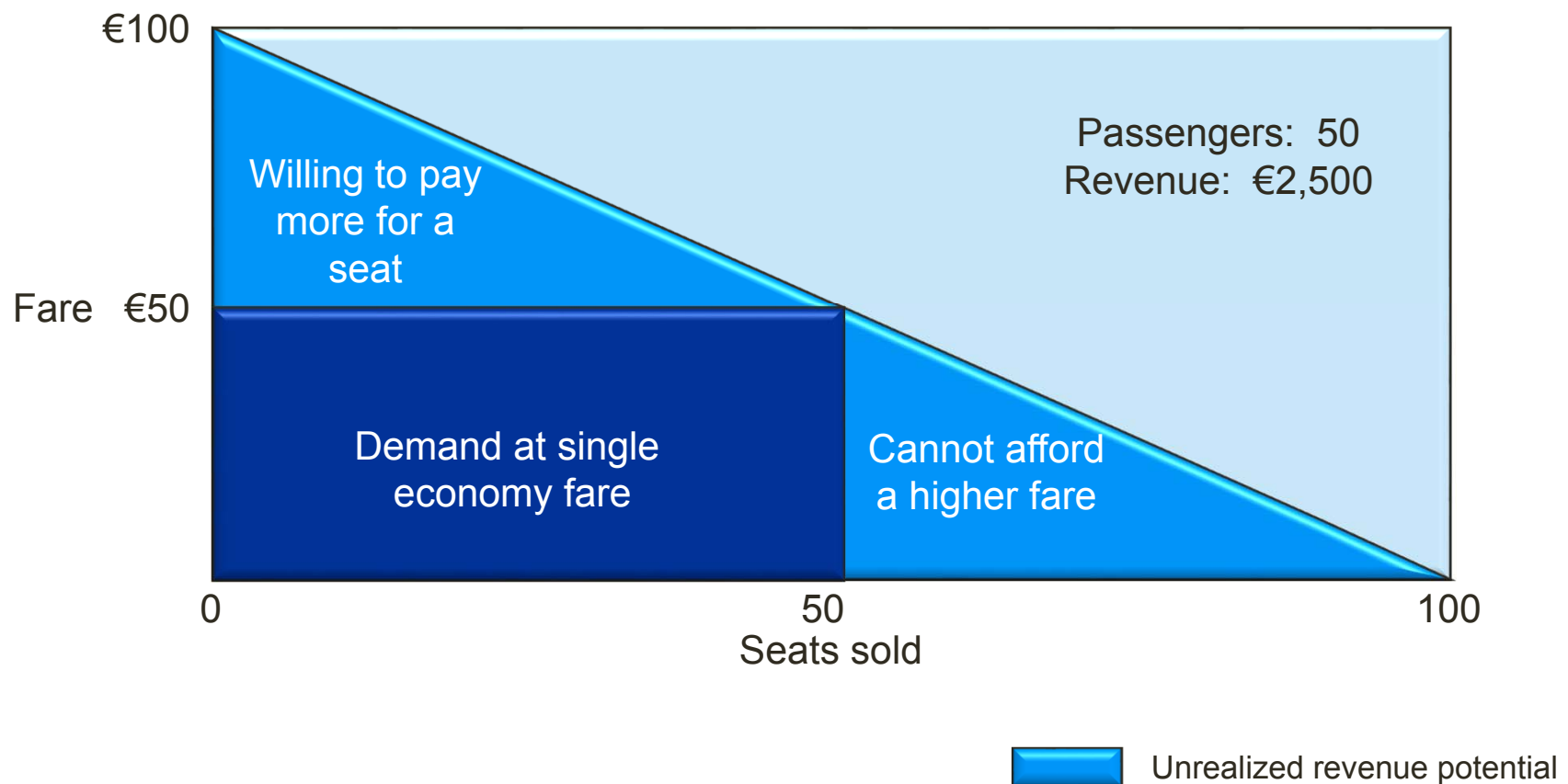
Challenges and trends in revenue management

As price decreases, demand increases

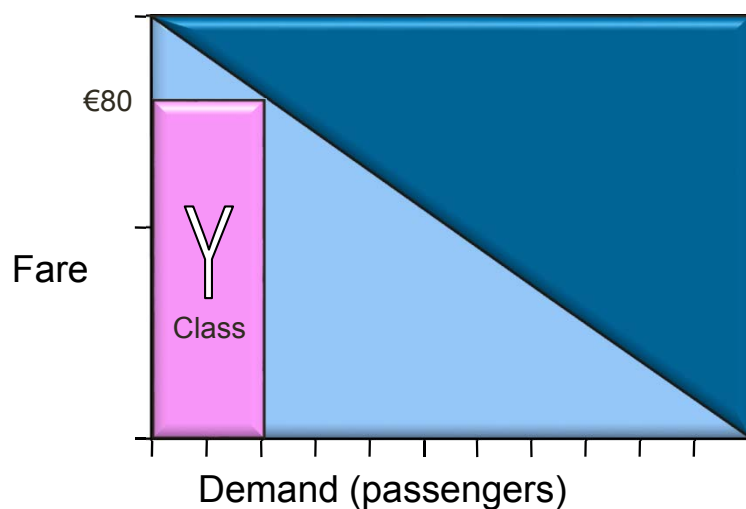
Number of people willing to travel at each fare level



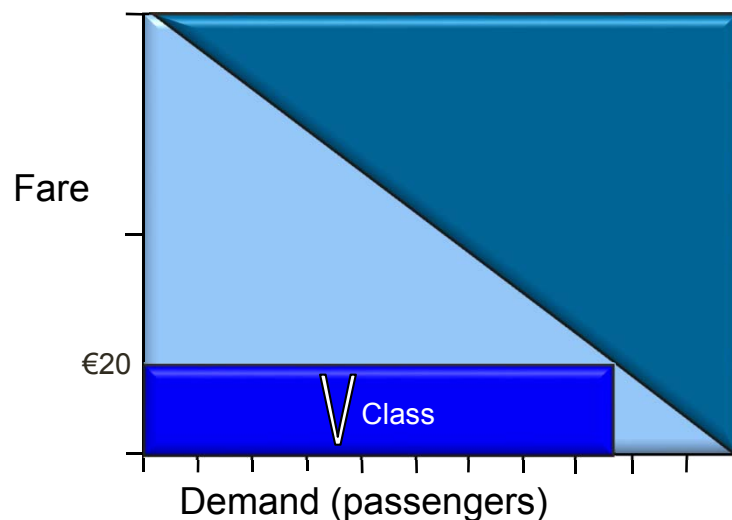
Offering just one fare limits revenue potential



Offering just one fare limits revenue potential



Extreme case 1	
Passengers:	20
Revenue:	€1,600
High RPK / yield Low load factor Low revenue	

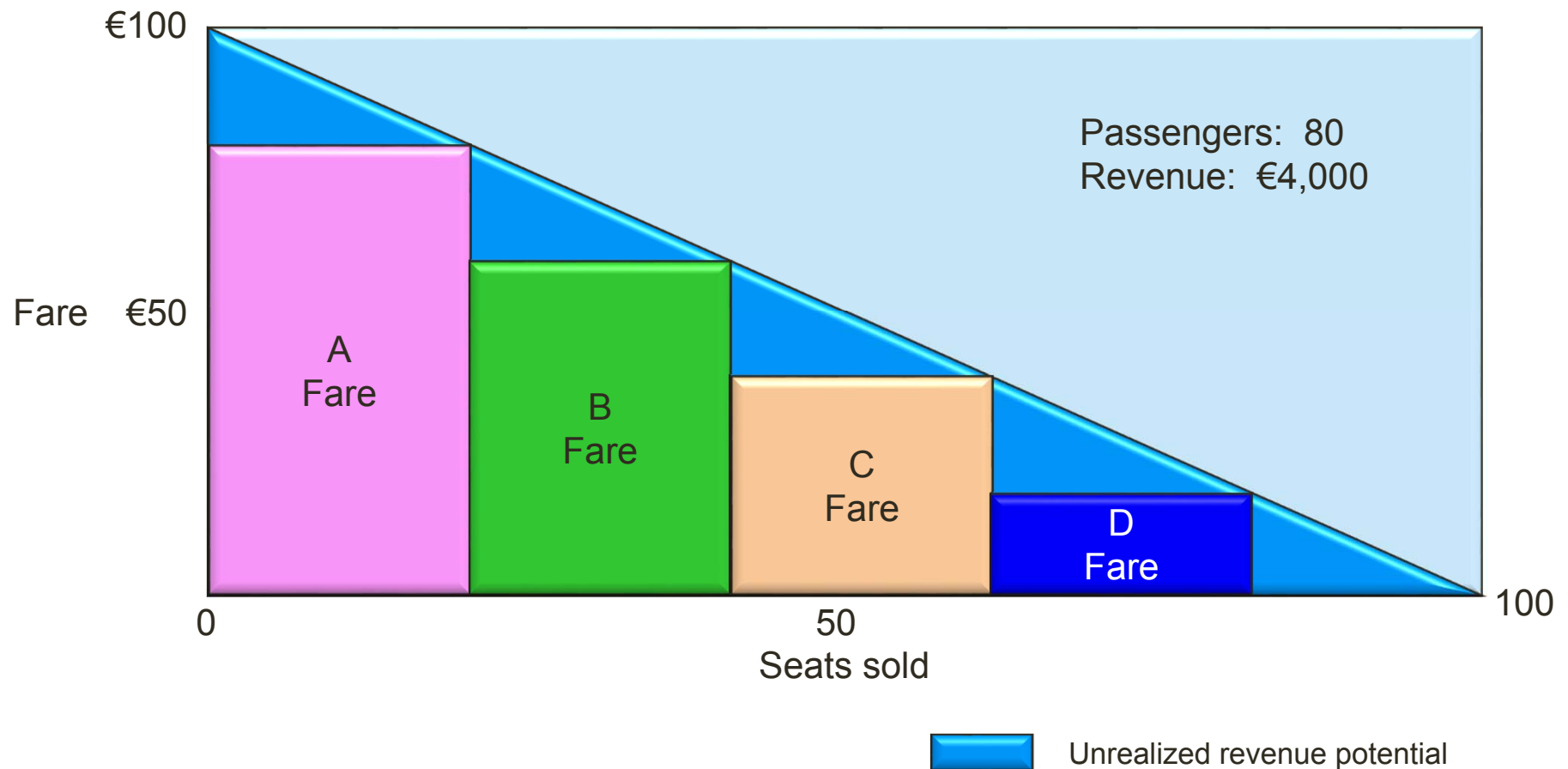


Extreme case 2	
Passengers:	80
Revenue:	€1,600
Low RPK / yield High load factor Low revenue	



Unrealized revenue potential

Offering multiple fares is good for the airline and its customers



Price discrimination: Charging customers different prices for the same product

Based on willingness or ability to pay

Business customers can pay more for their travel

The business customer must travel; the leisure customer wants to travel

A third party (employer) is paying for their travel

Business ticket purchases are usually easy to detect

Depart Sunday/Monday; return Thursday/Friday

Buy tickets close to departure date

Often change or cancel ticket (*need flexibility to do so without penalty*)



€751

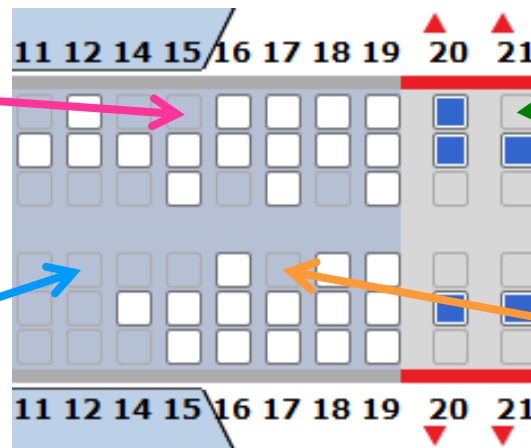
Researcher
traveling to speak
at conference



€1,442

Once-in-a-lifetime
trip to climb
Mt. Everest

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€2,095

Sales executive
rushing to save
critical order



€269

Weekend trip
to visit friend



Price discrimination: Charging customers different prices for the same product

Many business models utilize price discrimination

Useful when fixed costs are high, marginal costs are low, and inventory is perishable or time-dependent



Hotels, rental cars, cruise lines



Cinema, concerts, etc.: Wednesday afternoon vs.



Friday night



Pubs, nightclubs: happy hour, ladies' night

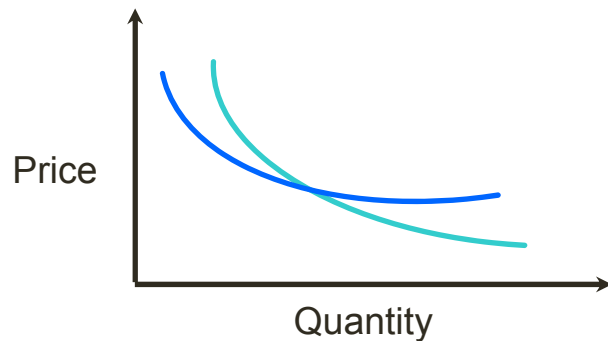


Universities: scholarships & other financial aid

Bakeries: “50% off all baked goods after 15:00”

Pricing strategies must be adapted to match the airline's environment

Elasticity



Cost structure

- Low costs are necessary to compete
- Many prices, same basic product

Competition

- Schedule / service quality
- Passenger preferences
- Market share

Market

- Economic activity
- Market development
- Passenger characteristics

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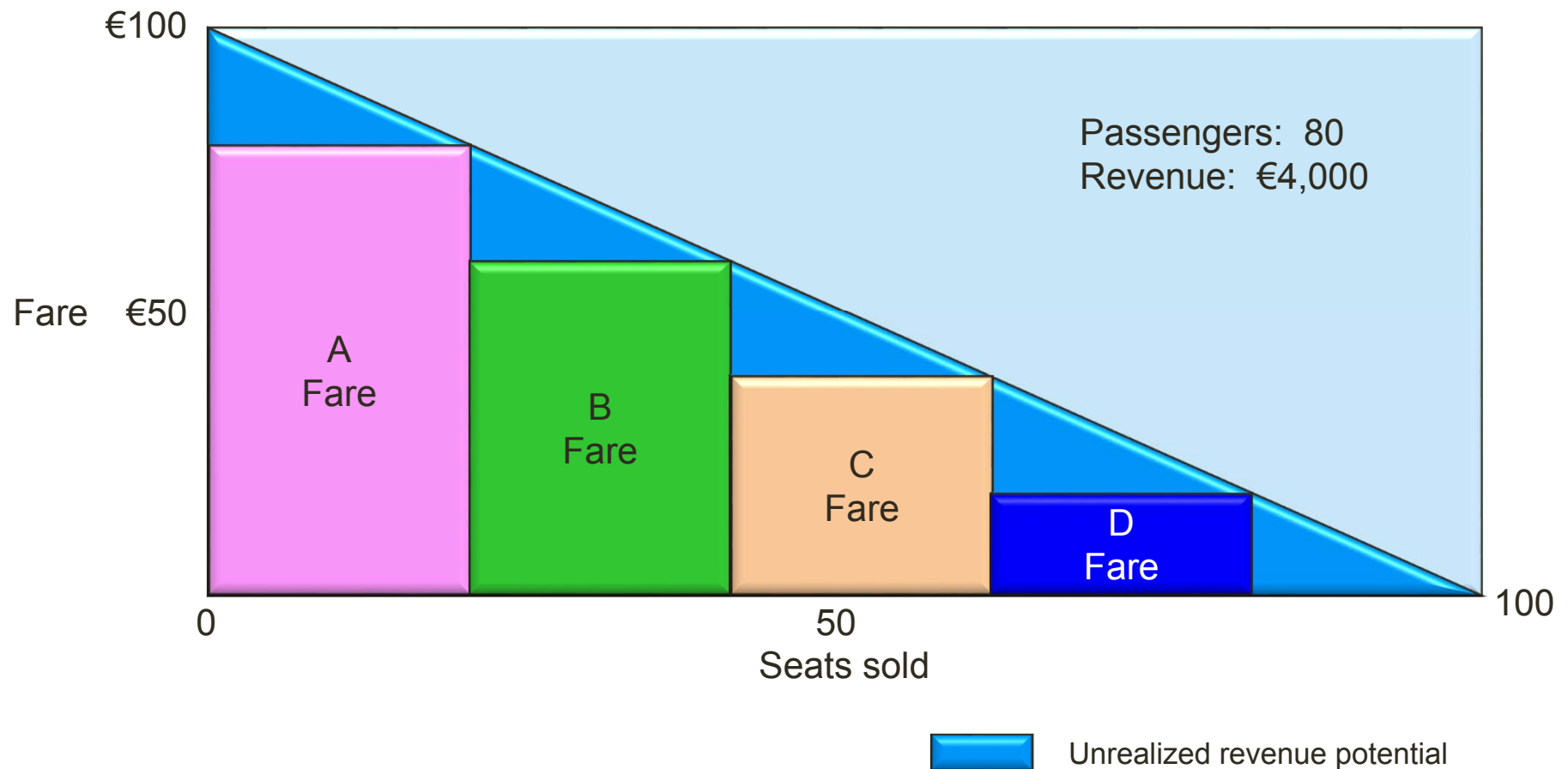
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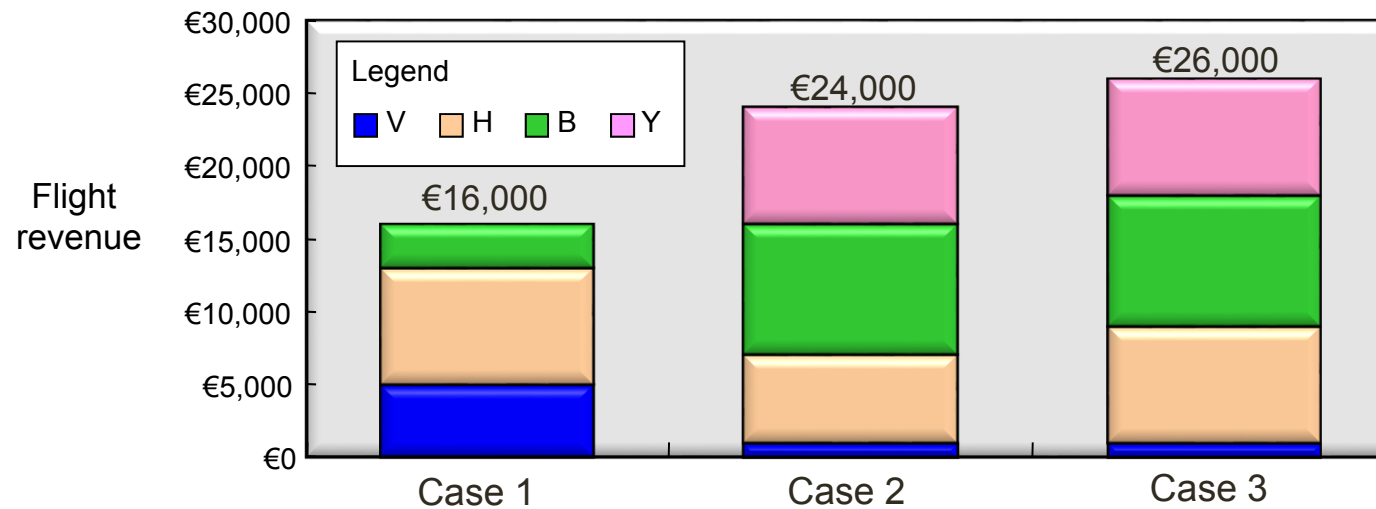
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Offering multiple fares is good for the airline and its customers



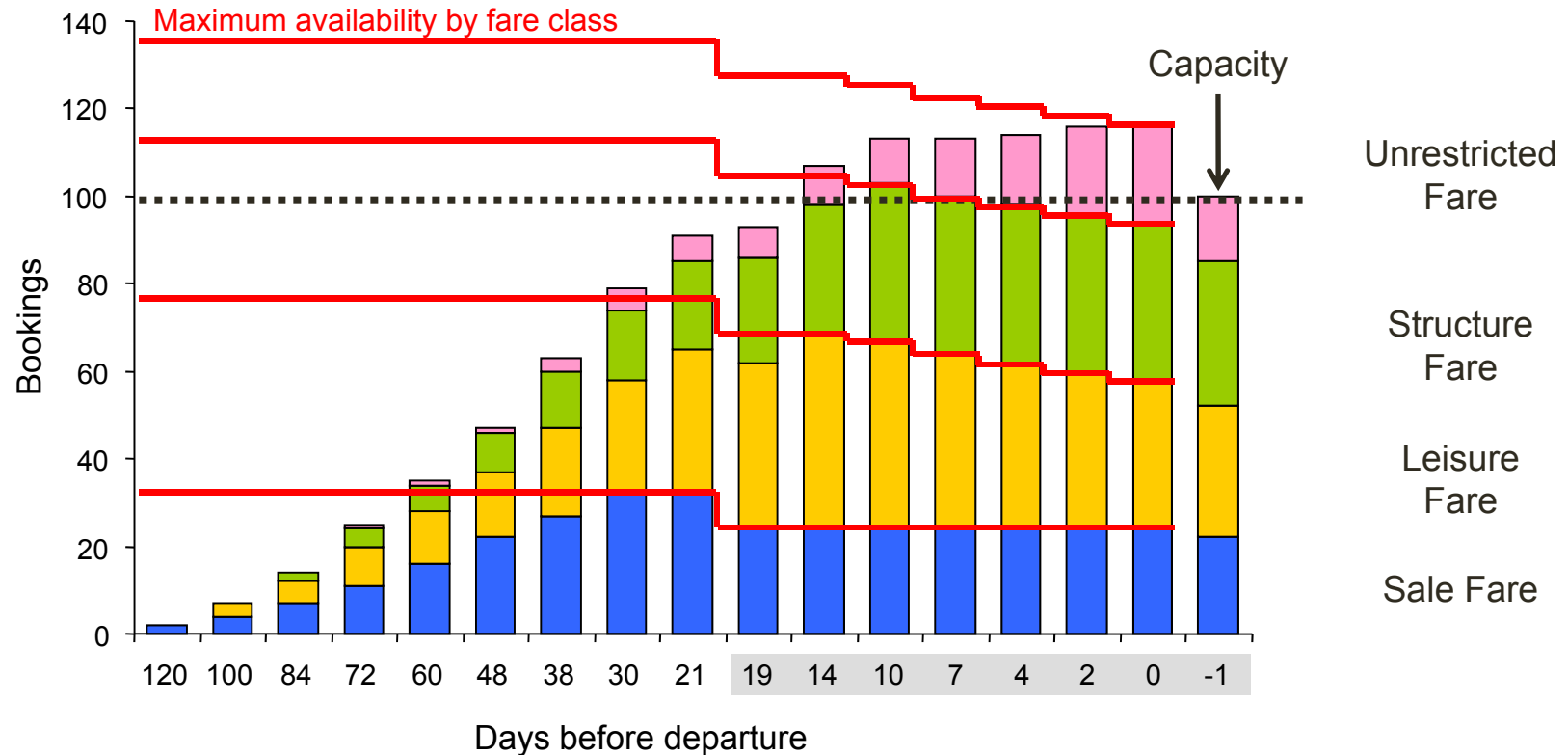
Optimizing fare class availability maximizes revenue



	Average fare	Unconstrained demand	Case 1	Case 2	Case 3
Y	€400	20	0	20	20
B	€300	30	10	30	30
H	€200	40	40	30	40
V	€100	50	50	10	10
Total passengers		140	100	90	100
Airplane capacity = 100					

Optimizing fare class availability maximizes revenue

Flight: XX190
Leg: AAA-BBB
Departure: Friday, 26 Jun
Cabin: Economy
Capacity: 000/100



Example: Protecting peak-flight inventory

Late Friday is a peak demand period for business travelers flying home, so afternoon and evening flights are reserved for higher-yield passengers

Flights at
peak
hours
protected
for
higher
fares

London (Stansted) → Dublin T1

<

Tue, Sep 02

38.99

GBP

Wed, Sep 03

38.99

GBP

Thu, Sep 04

32.99

GBP

Fri, Sep 05

38.99

GBP

Sat, Sep 06

27.99

GBP

Sun, Sep 07

27.99

GBP

Mon, Sep 08


27.99


GBP

>

Fri, Sep 05 2014

Flight	Depart	Arrive	Fare (GBP)		Select
FR203	06:30	07:50	38.99		<input checked="" type="radio"/>
FR205	08:05	09:25	54.99		<input type="radio"/>
FR207	09:55	11:10	64.99	2 left @ this fare	<input type="radio"/>
FR225	13:40	15:00	76.99	1 left @ this fare	<input type="radio"/>
FR297	17:10	18:25	76.99	4 left @ this fare	<input type="radio"/>
FR215	18:00	19:20	92.99		<input type="radio"/>
FR271	19:00	20:15	109.99	3 left @ this fare	<input type="radio"/>
FR293	20:30	21:45	109.99	2 left @ this fare	<input type="radio"/>

 Sold out

 No Flight

Optional charges excluded

How does an airline decide whether to accept a booking?

A hypothetical case...

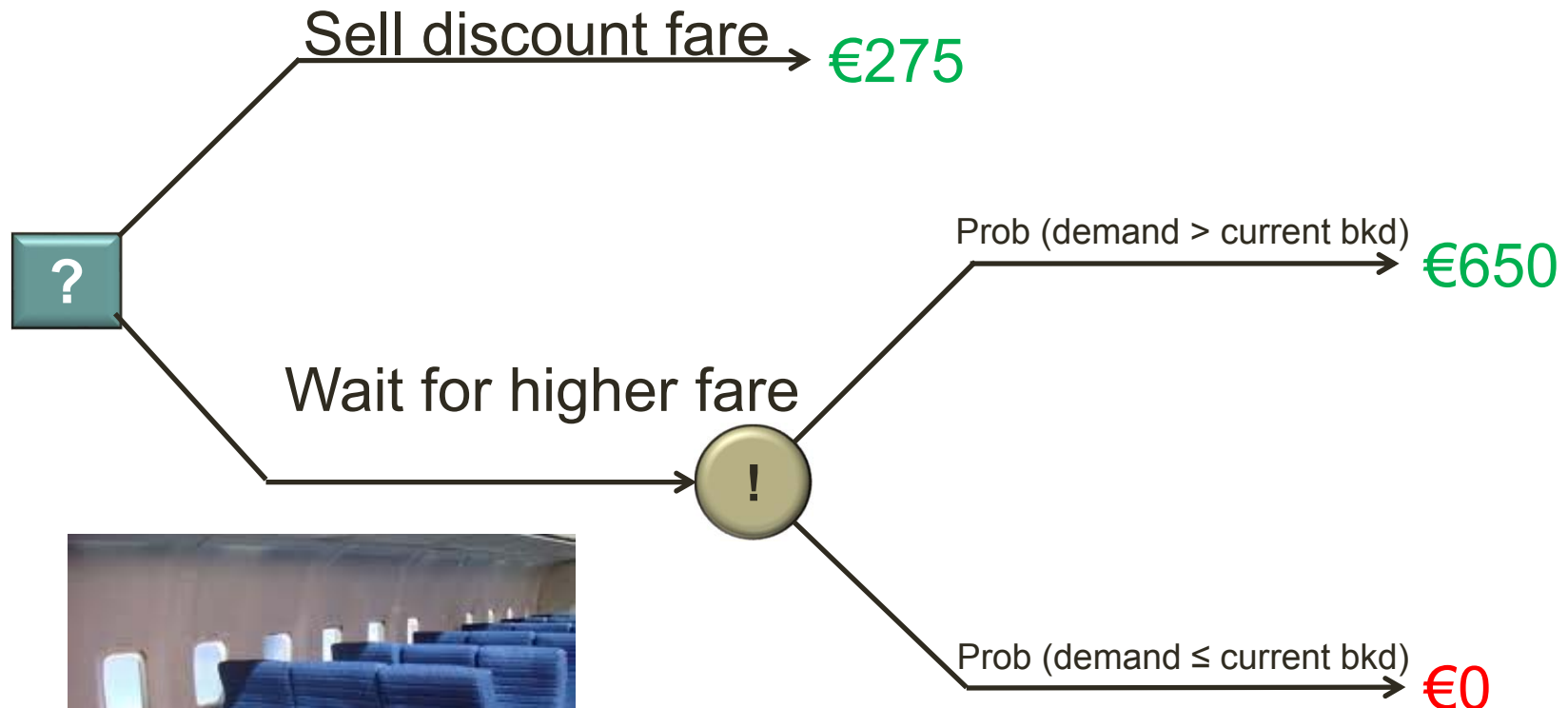
- “Getaway Airlines” has one seat left on a future flight
- The airline sells seats at two prices: €275 & €650
- A passenger calls desiring a €275 ticket for a flight

Decision:

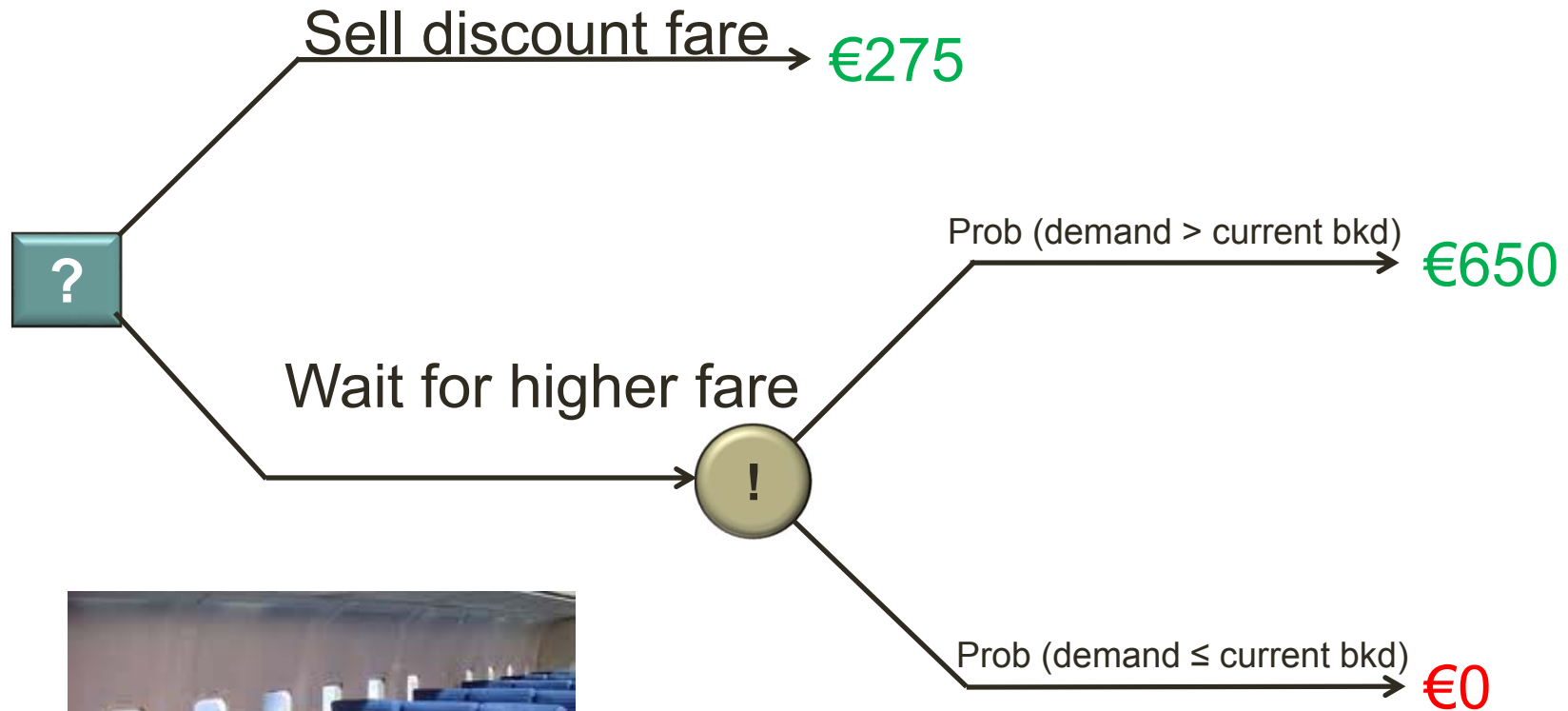
Should the airline ...

- Accept the €275 booking, or
- Refuse the booking in hopes of selling the same seat to a €650 passenger?

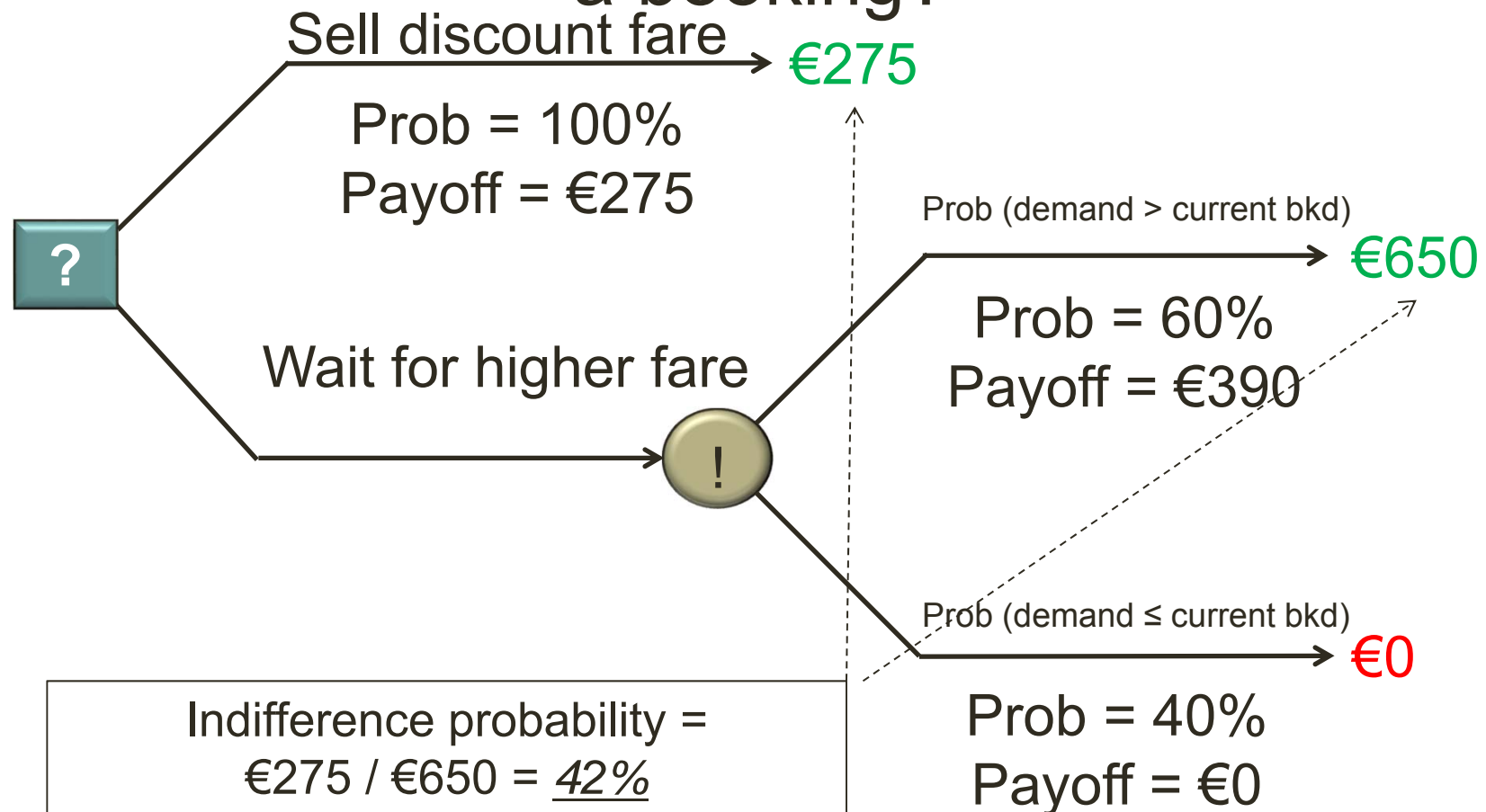
How does an airline decide whether to accept a booking?



How does an airline decide whether to accept a booking?



How does an airline decide whether to accept a booking?



If the probability of a €650 booking > 42%, then the expected payoff of waiting is higher and we should refuse the €275 booking

When is revenue management most effective?

Flights with high demand

Limit lower-fare availability to protect seats for higher-fare customers

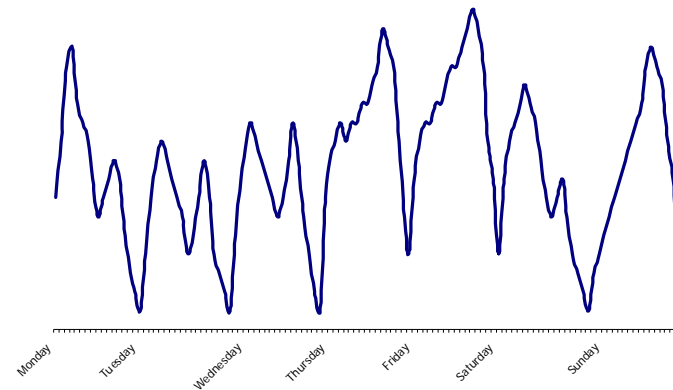
Normal peak travel periods or special events

Sun/Mon/Thu/Fri for business markets

Weekends for leisure destinations

Holidays / school vacations

Special events with large groups
(*conferences, sporting events, etc.*)



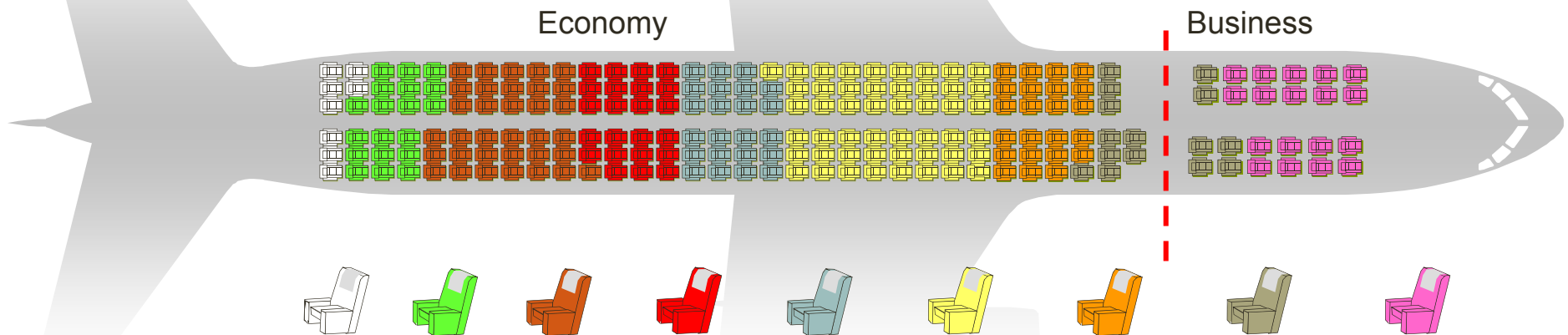
On low-demand flights, customers with higher willingness to pay are “sold up” to higher fares by pricing rules

Advance purchase requirement

Saturday night or minimum stay at destination

Ability to change/cancel without penalty

End result: Booking data shows customers segmented, revenue maximized



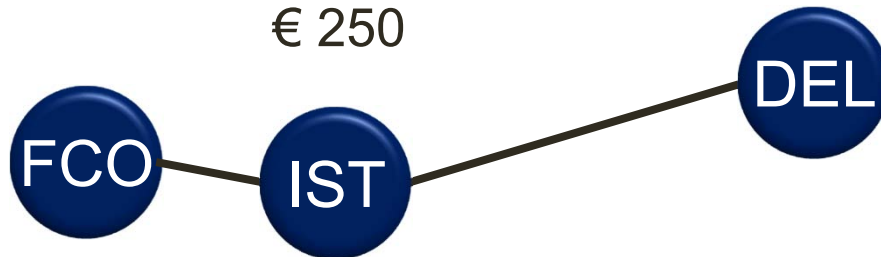
Fare class	Unsold	X	L	V	H	B	Y	C	J
Fare range	--	0	€100- €199	€200- €399	€400- €599	€600- €799	€800- €999	€1,000- €1,999	€2,000+
Average fare	--	0	€162	€324	€541	€758	€974	€1,624	€2,707
Passengers	8 (empty)	19	34	23	23	49	23	15	18
Load factor	4%	9%	16%	11%	11%	23%	11%	7%	8%
Revenue	--	€0	€5,523	€7,473	€12,455	€37,147	€22,418	€24,368	€48,735
Avg. advance purchase (days)	--	--	65	46	35	32	26	11	6

Focus on total network revenue, not just leg revenue

Passenger 1
Full fare Y, FCO-IST
€ 100



Passenger 2
Discounted Y, FCO-DEL
€ 250



“If there is one seat left on the FCO-IST flight, which passenger should we bump?”

“Which passenger contributes the most to network revenue?”

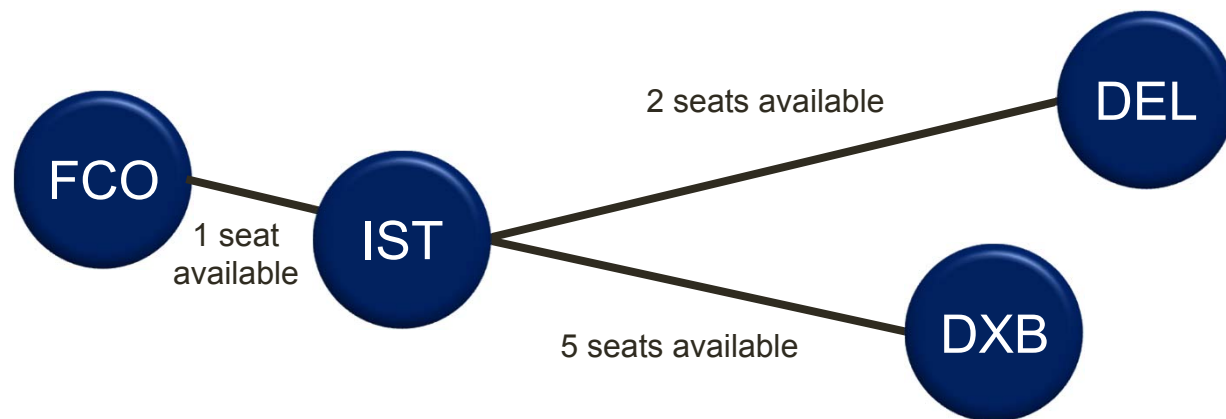


A revenue-optimal passenger mix balances long and short-haul demand, while maintaining the appropriate level of discount-fare availability

In this simplified network, which passengers should we accept to maximize revenue?

Assume that demand is certain and no connection costs exist

What is your total revenue?

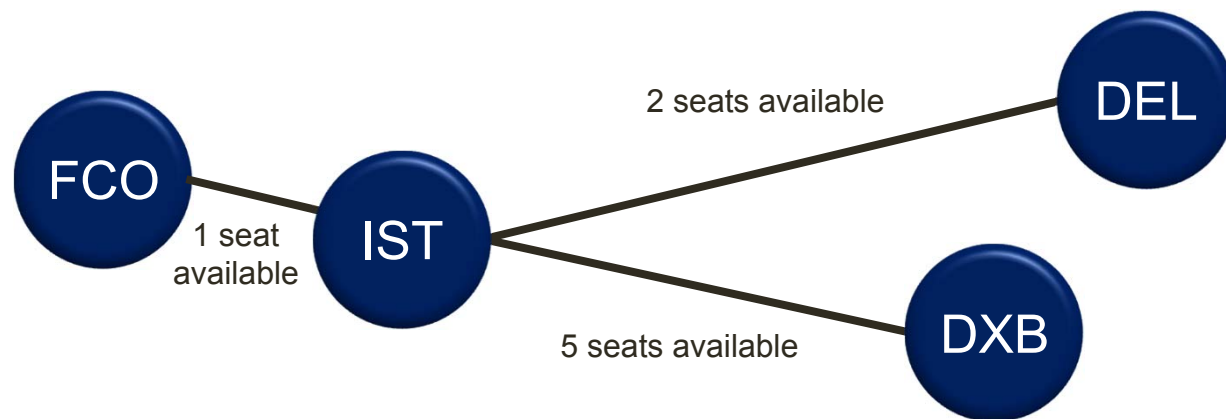


O&D	Fare	Remaining Demand	Accepted Passengers
FCO-IST	€100	1	
IST-DXB	€200	2	
IST-DEL	€225	2	
FCO-DEL	€250	1	
FCO-DXB	€205	1	
Total Accepted			

In this simplified network, which passengers should we accept to maximize revenue?

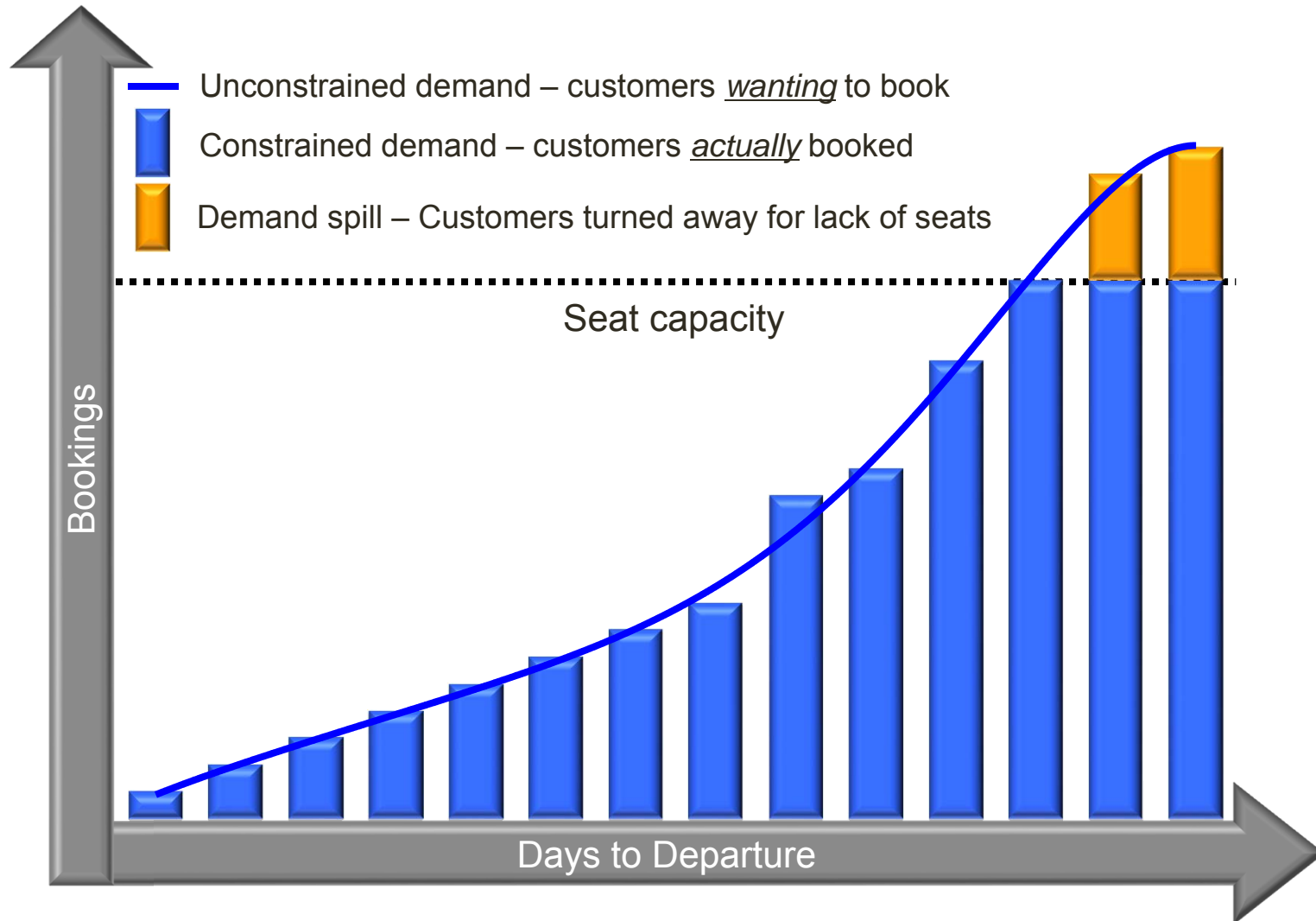
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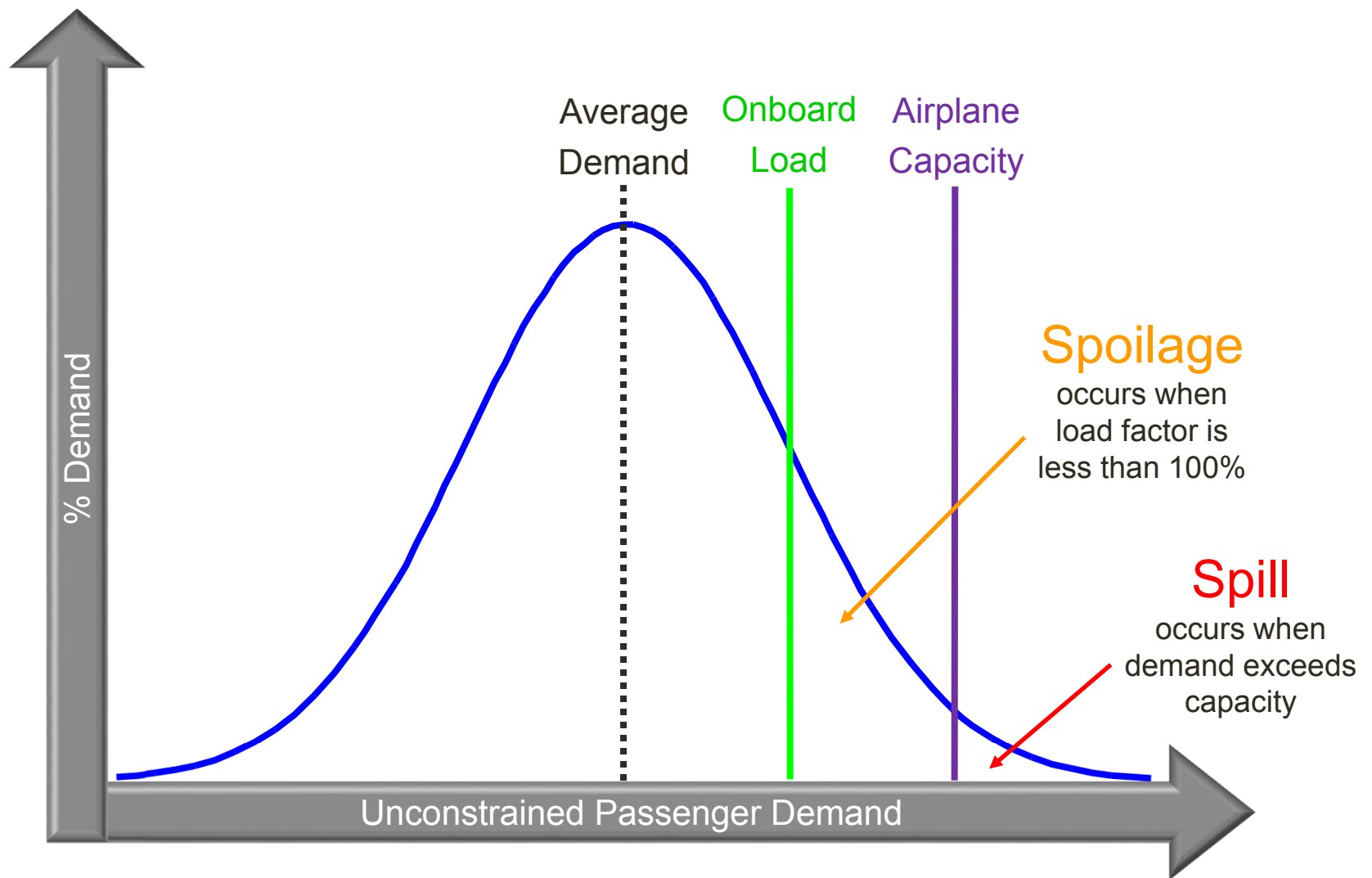


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IST-DEL	€225	2	2
FCO-DEL	€250	1	
FCO-DXB	€205	1	1
Total Accepted	€1055		5

Passenger demand profile



Concepts: Spill and spoilage



Concepts: Spill and spoilage

Spill is demand that was turned away because:

Seats were not offered at a fare a customer was willing to pay

The flight was sold out when the customer was attempting to book

Spoilage is seats left unsold at departure time because:

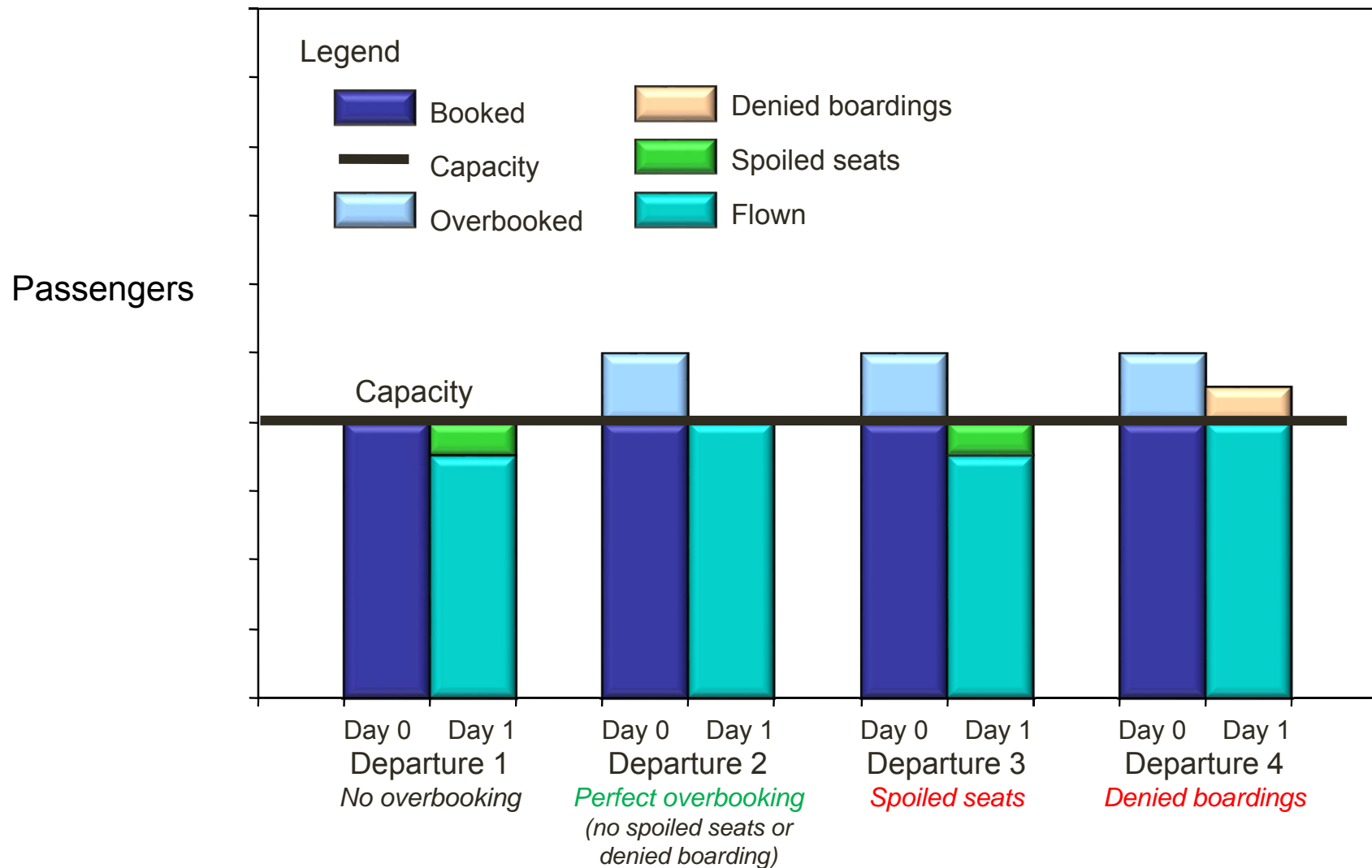
Not enough seats were offered at discount fares

Too many seats were held back for higher-yield customers

Customers booked seats but later canceled or no-showed

Optimal revenue management requires a careful balance between spill and spoilage

Minimize spoilage due to no-shows & cancellations with overbooking



The cost of overbooking: “bumped” passengers

Denied boardings will occur because of volatility in no-show rates; forecasts are rarely 100% accurate

Existence of denied boardings does not mean the system has failed

Some denied boardings are desirable – otherwise unnecessary spoilage occurs

Overbooking brings additional costs, which should be considered when determining optimal overbook rates

Denied boarding compensation

Alternate transportation

Hotel and meal vouchers

Customer goodwill

Getaway Airlines TAKE FLIGHT CERTIFICATE PASSENGER RECEIPT **Getaway Airlines**

20SEP09

USD 400.00 DISCOUNT MAY BE APPLIED TOWARDS PURCHASE OF ONE TICKET.
CALL ... AT 1-800-4-...
TO MAKE YOUR RESERVATIONS.

0377 NOT VALID AFTER - 20SEP10

PASSENGER SELECTED PIN

TFC/\$400 /NO REFUND NOT VALID AFTER - 20SEP10
FP NS FC ORIGINAL TICKET-037736 /ORIGINAL PNR- /DB
FLIGHT- SLC PHX TFC VOUCHER ISSUED DUE TO DENIED BOARDING FOR
\$400 OFF A FUTURE PURCHASED TICKET.END

VALID FOR ONE YEAR
FROM DATE OF ISSUE
Name of Passenger

VOUCHER NUM: 037
NOT VALID AFTER - 20SEP10

Flight Date
THANK YOU FOR FLYING

Gate Boarding Time Seat

NO CASH VALUE

... but the revenue benefit of overbooking should outweigh these costs!

The cost of overbooking: “bumped” passengers

When a flight is overbooked, ask customers at check-in to volunteer for a later flight ... and offer them enough compensation to make it worthwhile!

This reduces gate delays and builds customer goodwill

Ensure that all denied boardings (*voluntary or involuntary*) are reported to improve future no-show forecasts

VOLUNTEERS ARE NEEDED

NO THANKS

NYC-KENNEDY, NY ► LOS ANGELES, CA 29 JUN 2014

Do you want to be added to the volunteer list for your flight departing from NYC-Kennedy, NY to Los Angeles, CA?
We are seeking volunteers willing to take a different flight in exchange for a travel voucher redeemable within 1 year on

Your existing itinerary will not be changed until you review alternate flights at the departure gate.

Select the dollar value of the travel voucher you would accept as compensation for volunteering your seat.
Note: If your seat is needed, you will receive a travel voucher for this amount.

\$200

\$300

\$400

\$500

AMOUNT:
\$ USD

Helpful Tip: | accepts the lowest bids first.

SUBMIT BID

Successful airlines focus on maximizing revenue per available seat-kilometer (RASK)

$$\text{Load factor} = \frac{\text{Total passengers flown}}{\text{Total available seats}}$$



$$\text{RASK} = \frac{\text{Total passenger revenue}}{\text{Available seat kilometers}}$$

Revenue per available seat-kilometer

$$\text{Yield} = \frac{\text{Total passenger revenue}}{\text{Revenue passenger kilometers}}$$

Revenue per passenger-kilometer

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Customers see revenue management at work when they shop for airline tickets

Higher (lower) fares available during peak (off-peak) days and times

Airlines target flexible (low-yield) customers with “search +/- ___ days” option on website

Leave		Return	
01/03/2013	anytime	01/17/2013	anytime
<input checked="" type="checkbox"/> My dates are flexible			
<input checked="" type="radio"/> Flexible travel days			
Search 3	day(s) earlier	Search 3	day(s) earlier
Search 3	day(s) later	Search 3	day(s) later

Vacation-package providers and consolidators sell seats the airline does not expect to be able to sell at higher fares

“Opaque” travel sites hide airline name and schedule until booking is complete

Discounted fares for large groups; airline trades higher yield for reduced spoilage risk



Revenue management is key to the success of both low-cost and network carriers

Low fares available on off-peak dates; peak flights protected for higher fares

☐ Round trip ☒ One way

Berlin-Tegel +
Cologne-Bonn +

Outward flight

< [One month earlier](#) [One month later](#) >

September 2014

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1 € * 79,99	2 € * 69,99	3 € * 69,99	4 € * 79,99	5 € * 79,99	6 € * 59,99	7 € * 149,00
8 € * 49,99	9 € * 119,00	10 € * 59,99	11 € * 59,99	12 € * 49,99	13 € * 49,99	14 € * 119,00
15 € * 39,99	16 € * 39,99	17 € * 39,99	18 € * 49,99	19 € * 49,99	20 € * 49,99	21 € * 99,00
22 € * 39,99	23 € * 33,00	24 € * 49,99	25 € * 59,99	26 € * 49,99	27 € * 49,99	28 € * 79,99
29 € * 39,99	30 € * 33,00	1	2	3	4	5

Revenue management is key to the success of both low-cost and network carriers

How is this an example of effective revenue management?

							Economy		
Op.	Flights	Depart	Arrive	Aircraft	Duration	Connections	<u>Tango</u>	<u>Flex</u>	<u>Latitude</u>
Direct Flights									
✳	AC108	07:00	14:26	<u>321</u>	4hr26		-	➡ \$416	⦿ \$1007
✳	AC142	08:00	15:26	<u>333</u>	4hr26		-	➡ \$454	⦿ \$1007
✳	AC034	09:00	16:23	<u>77L</u>	4hr23		-	⦿ \$497	⦿ \$1007
✳	AC116	10:00	17:26	<u>321</u>	4hr26		-	➡ \$497	⦿ \$1007
✳	AC1176	11:30	18:56	<u>763</u>	4hr26		-	⦿ \$577	⦿ \$1007
✳	AC180	12:00	19:26	<u>319</u>	4hr26		-	⦿ \$577	⦿ \$1007
✳	AC132	12:30	19:56	<u>320</u>	4hr26		-	➡ \$416	⦿ \$1007
✳	AC1136	13:15	20:38	<u>77W</u>	4hr23		⦿ \$351	⦿ \$416	⦿ \$1007
✳	AC102	14:15	21:38	<u>77W</u>	4hr23		⦿ \$351	⦿ \$416	⦿ \$1007
✳	AC148	15:00	22:26	<u>320</u>	4hr26		-	➡ \$588	➡ \$1018
✳	AC100	16:00	23:26	<u>319</u>	4hr26		-	➡ \$454	⦿ \$1007
✳	AC152	17:30	00:56 + 1 day	<u>320</u>	4hr26		⦿ \$351	⦿ \$416	⦿ \$1007
✳	AC156	22:30	05:56 + 1 day	<u>321</u>	4hr26		⦿ \$351	⦿ \$416	⦿ \$1007
✳	AC162	23:15	06:41 + 1 day	<u>321</u>	4hr26		⦿ \$351	⦿ \$416	⦿ \$1007
✳	AC1172	23:55	07:21 + 1 day	<u>320</u>	4hr26		⦿ \$351	⦿ \$416	⦿ \$1007

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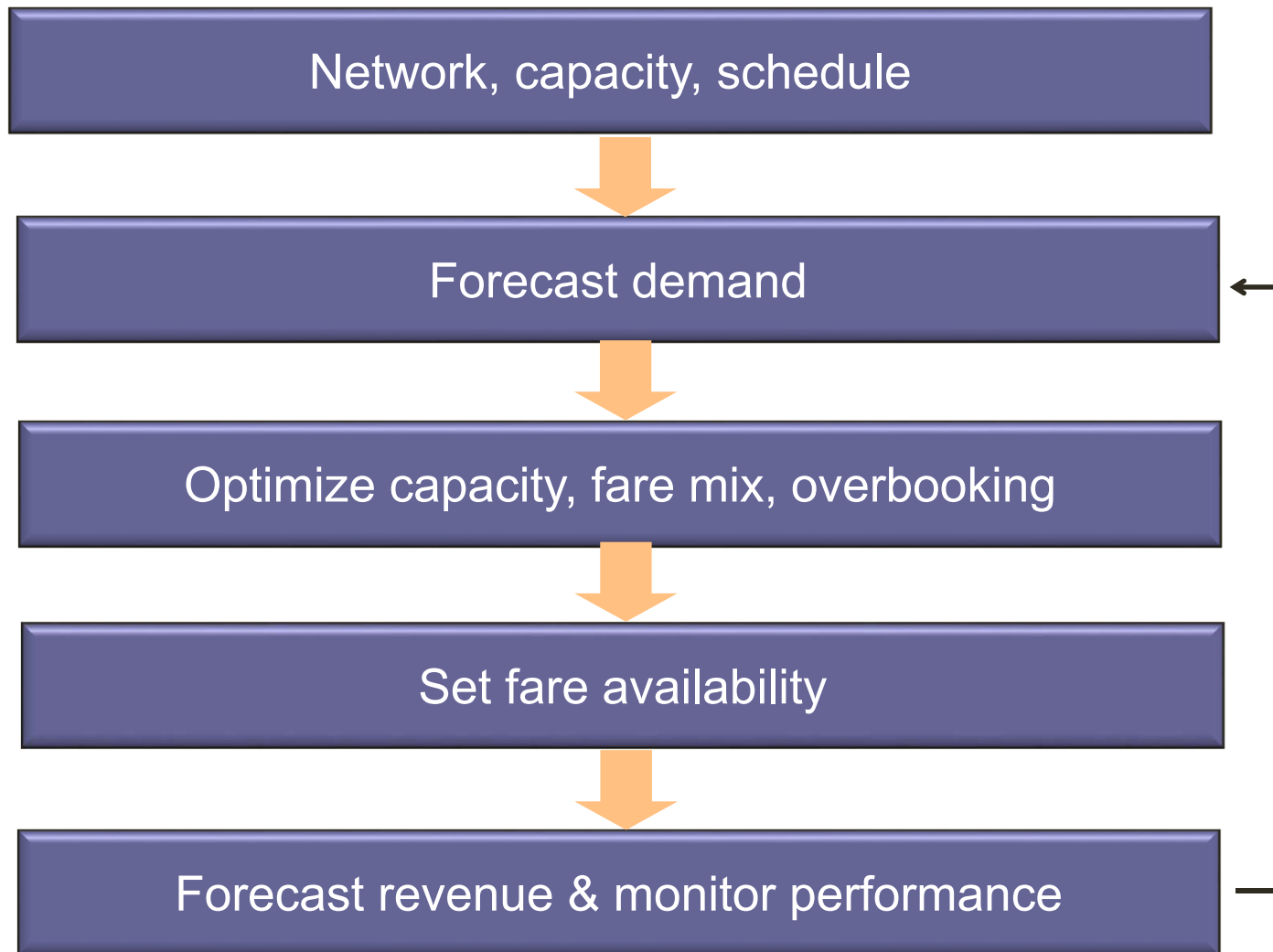
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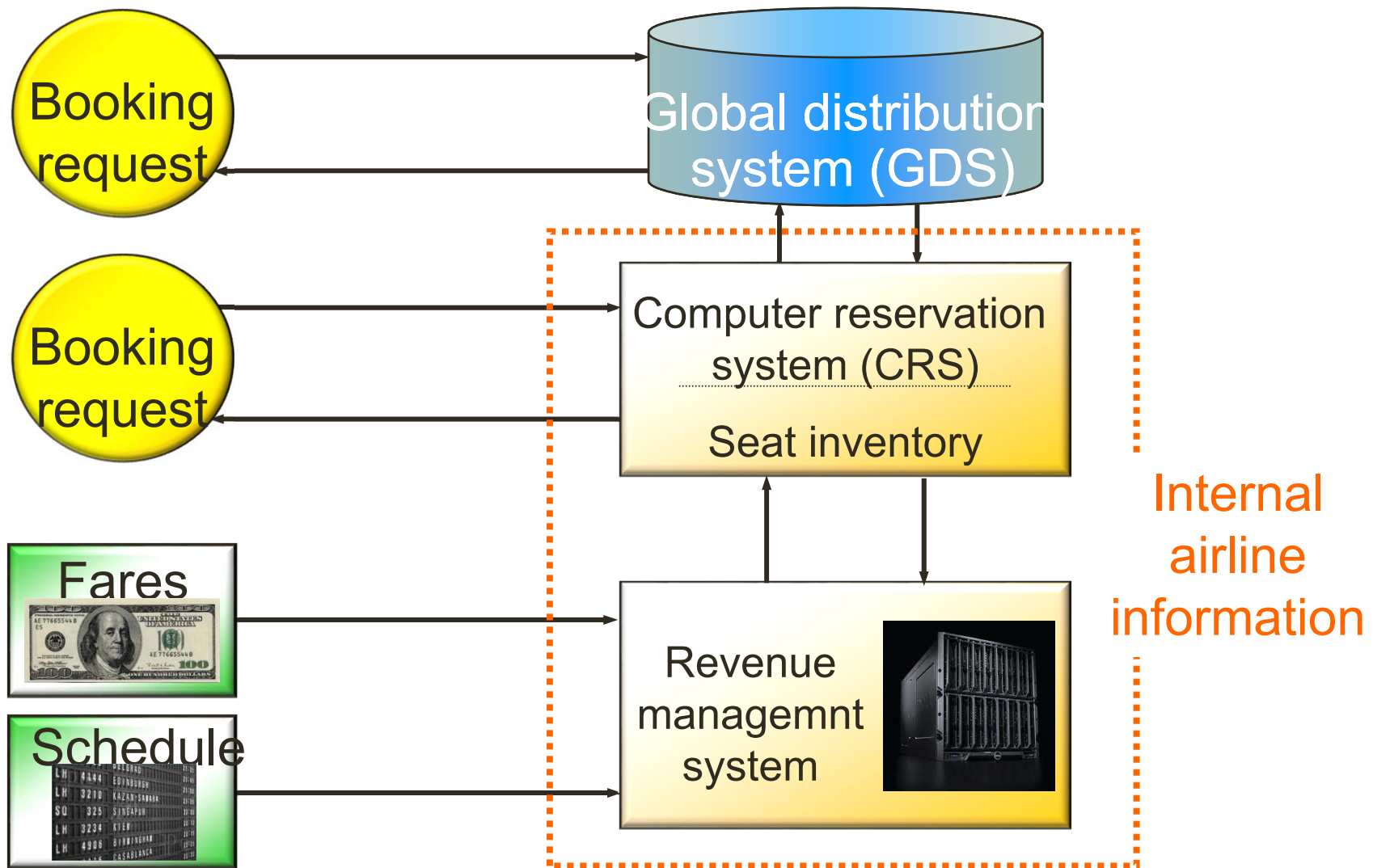
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Revenue management process

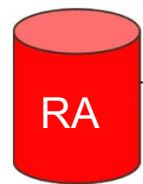


Revenue management – transaction flow



Revenue management – application sequencing

Inputs

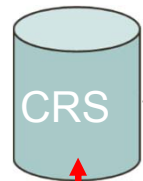


Average fares



Historical booking curves

Future booking curves



Schedule, capacity, current bookings

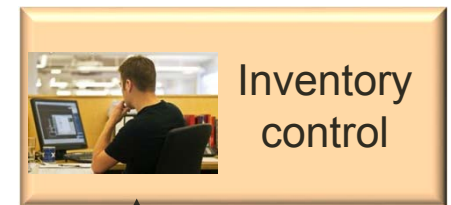
Processing

Forecasting module

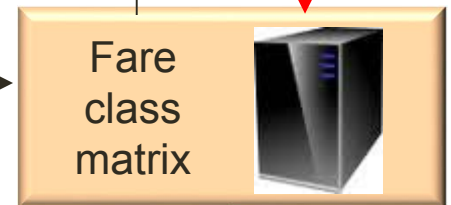
Seasonal demand index
Unconstrained demand routine
Forecasting

Optimization module

Cabin capacity
Planned upgrades
Fare mix (EMSR)
Overbooking
Decrement schedules
Gating



Inventory control



Fare class matrix

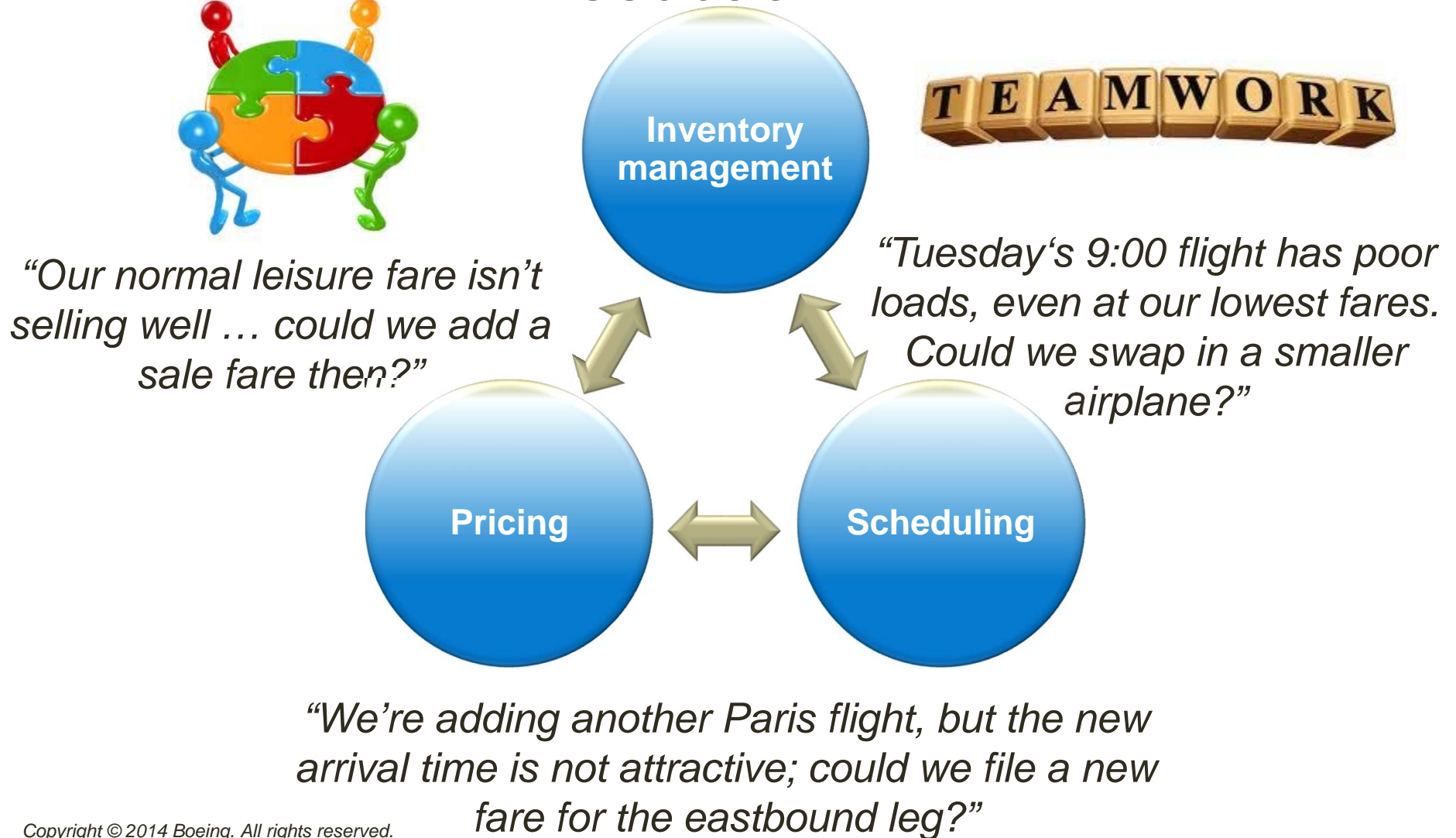
Output

Authorized booking limits by fare class

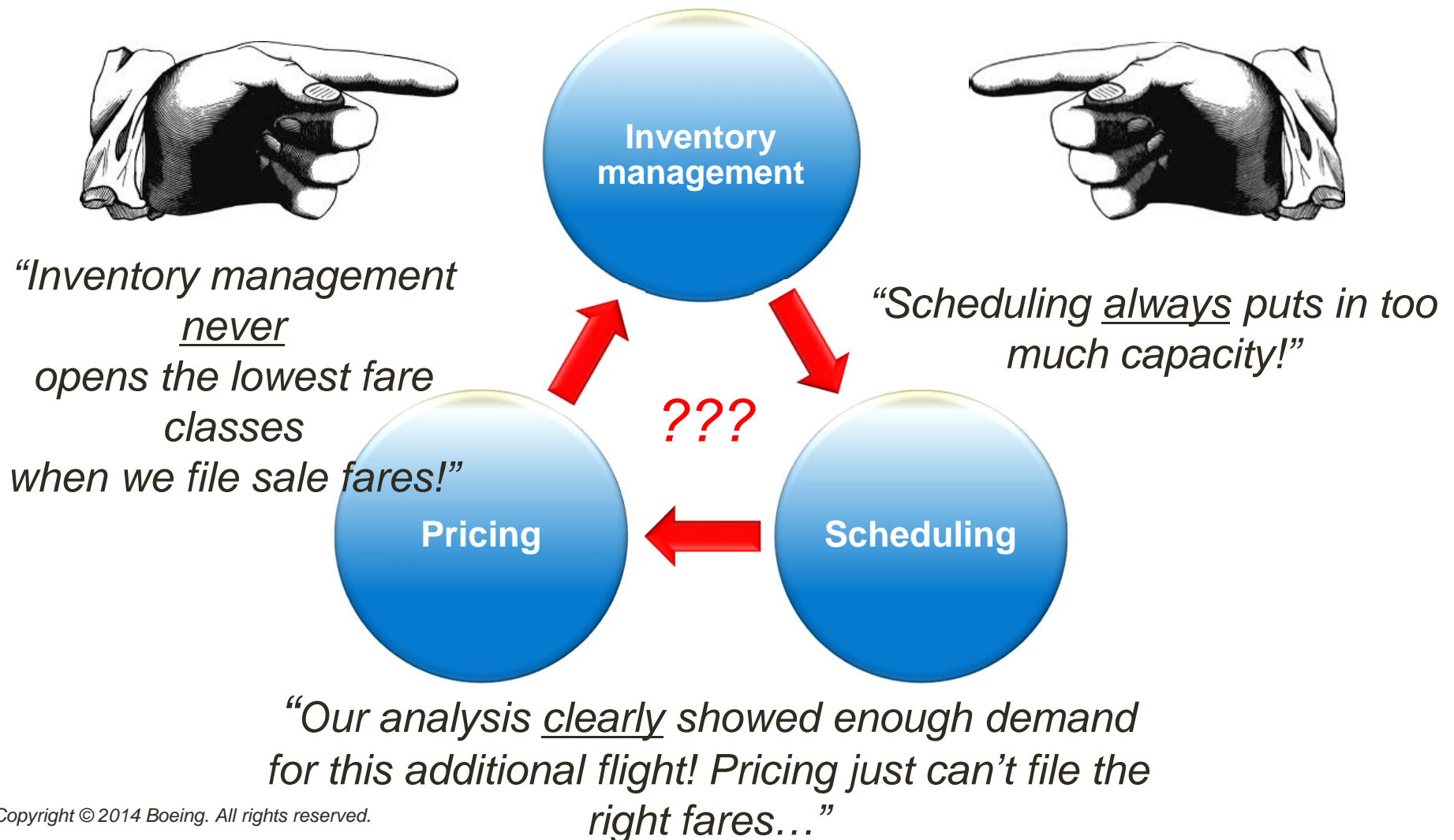
Pricing, inventory management, and scheduling should give each other continuous feedback ...



TEAMWORK



... and should be jointly accountable for
market / network revenue performance
Otherwise, the result is a never-ending “blame game”...



Airline Revenue Management – Overview

Why is revenue management important?

How do economic concepts drive revenue management?

Core principles of revenue optimization

How are customers impacted by revenue management?

How does the revenue management process work?

Challenges and trends in revenue management

Revenue management complexity is increasing

More computing power = more precise demand forecasts

Forecasts based on passenger attributes, seasonality, etc.

Managing interacting demand between fare classes (e.g., class nesting)

Fare class availability moving from leg/segment to O&D-based

- Balance local vs. connecting fare mix to maximize network revenue
- Increase connections between alliance partners

Joint RM controls between alliance members with antitrust immunity

Example: Sharing bid-price data on immunized joint-venture flights



Revenue management is becoming more difficult

Historically, most airlines segmented business and leisure travel demand using fare rules

Refundable fare

Day of week / seasonal fare validity

Advance-purchase requirement

Shrinking budgets force some business travelers to adopt leisure traveler purchase patterns, making fare rules less effective

Low-cost carriers often use “no-rules” fares to stimulate demand and increase market share

Flight restrictions
THE FARE COMPONENT MUST NOT BE ON ONE OR MORE OF THE FOLLOWING TK FLIGHTS 7300 THROUGH 7399 TK FLIGHTS 7500 THROUGH 7599 TK FLIGHTS 9000 THROUGH 9299. NOTE - OPERATED AJET DIRECT FLIGHTS AND THE FARE COMPONENT MUST BE ON ONE OR MORE OF THE FOLLOWING ANY TK FLIGHT OPERATED BY TK.
Advanced reservation/ticketing restrictions
RESERVATIONS ARE REQUIRED FOR ALL SECTORS. TICKETING MUST BE COMPLETED WITHIN 7 DAYS AFTER RESERVATIONS ARE MADE. NOTE - FAREQUOTE GENERATES A LAST TICKETING DATE WHICH MAY DIFFER FROM THE DATE MENTIONED IN THE PNR. THE MOST RESTRICTIVE DATE PREVAILS.
Maximum stay requirements
TRAVEL FROM LAST STOPOVER MUST COMMENCE NO LATER THAN 12 MONTHS AFTER DEPARTURE FROM FARE ORIGIN.
Stopover restrictions
2 FREE STOPOVERS PERMITTED ON THE PRICING UNIT - 1 IN EACH DIRECTION IN IST.
Combinability
CIRCLE TRIPS NOT PERMITTED. APPLICABLE ADD-ON CONSTRUCTION IS ADDRESSED IN MISCELLANEOUS PROVISIONS - CATEGORY 23. END-ON-END END-ON-END COMBINATIONS PERMITTED WITH TK DOMESTIC FARES BUT ARE NOT PERMITTED WITH TK INTERNATIONAL FARES. VALIDATE ALL FARE COMPONENTS. SIDE TRIPS PERMITTED. OPEN JAWS/ROUND TRIPS FARES MAY BE COMBINED ON A HALF ROUND TRIP BASIS WITH TK FARES -TO FORM SINGLE OR DOUBLE OPEN JAWS. A MAXIMUM OF TWO INTERNATIONAL FARE COMPONENTS PERMITTED. -TO FORM ROUND TRIPS ROUND TRIPS NOTE - OPEN JAWS/ROUND TRIPS NOTE - WHEN FARES ARE COMBINED THE MOST RESTRICTIVE CONDITIONS APPLY INCLUDING CANCELLATIONS AND REFUNDS. PROVIDED - COMBINATIONS ARE WITH ANY FARE FOR CARRIER TK IN ANY RULE IN THIS TARIFF OR WITH FARES IN ANY RULE IN TARIFF IPRAFAS - BETWEEN AFRICA-AREA 3 IPREUAS - BETWEEN EUROPE-AREA 3 IPRMEAS - BETWEEN THE MIDDLE EAST-AREA 3 IPRPG - WITHIN AREA 3-INTERNATIONAL.

Internet enables comparison shopping, drives customers to more costly booking channels

- Increases difficulty of maximizing revenue capture
- Reinforces customer perception that travel is a commodity, which pushes airlines into destructive “price taker” behavior
- Price transparency allows competing airlines to observe each other’s strategies

	 Etihad Airways	 Emirates	 Turkish Airlines	 China Eastern	 Qatar Airways	 Air China	 Aeroflot	 Multiple Airlines	 Finnair	 Alitalia	 Air France	 Austrian Airlines
All flights												
Nonstop	--	--	--	--	--	--	--	--	--	--	--	--
1 stop	From £727	From £822	From £908	From £978	--	From £1,078	From £1,082	From £1,123	From £1,231	From £1,287	From £1,342	From £1,345
2 stops	--	--	--	--	From £1,041	--	--	From £1,492	--	--	--	--

Reduce transparency and lower distribution costs with “unbundling” of airline products

Many airlines are “unbundling” the travel experience into pieces that customers can buy separately

Checked bags

Priority check-in and boarding

Preferred seats

In-flight entertainment and Internet access

These “ancillary” products maximize per-customer revenue capture while making price comparisons more difficult

Add your flight options

Travel insurance *Want to relax on your trip?*

Our great value 5 Star rated travel insurance will cover you for medical emergencies, cancellation, missed departure, baggage loss and delay. Wherever you fly with easyJet, we'll have you covered!

Compare our prices	
Single Trip*	
easyJet	£12.28
Post Office (Premium)	£25.27
Texas (Fines)	£16.34
Insure & Go (Gold)	£19.54
Direct Travel Insurance (Premier Plus)	£13.03

*Based on an adult travelling to Europe for 7 days. Prices correct @ 23rd May 2011.

Single Trip Insurance

- Medical expenses up to £15m
- Emergency assistance available 24/7
- Cancellation up to £5000

£13⁷⁶ Per adult
£13.76 in total for 1 adults

Add insurance >

What's Covered?

Terms & conditions apply

[Services, Terms and Conditions.](#)

Luggage

£22⁰⁰ Per bag

Add luggage >

**Book now! Up to...
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online discount!**

[How does it work?](#)

Speedy Boarding

Priority boarding to be among the first on the plane

- Beat the queues
- Choose your favourite seat
- Ensure you're seated with your group
- Dedicated check-in where available

£20⁰⁰ per passenger all flights
£20.00 in total for 1 passenger(s)

Add Speedy Boarding >

[How does it work?](#)

Sports equipment

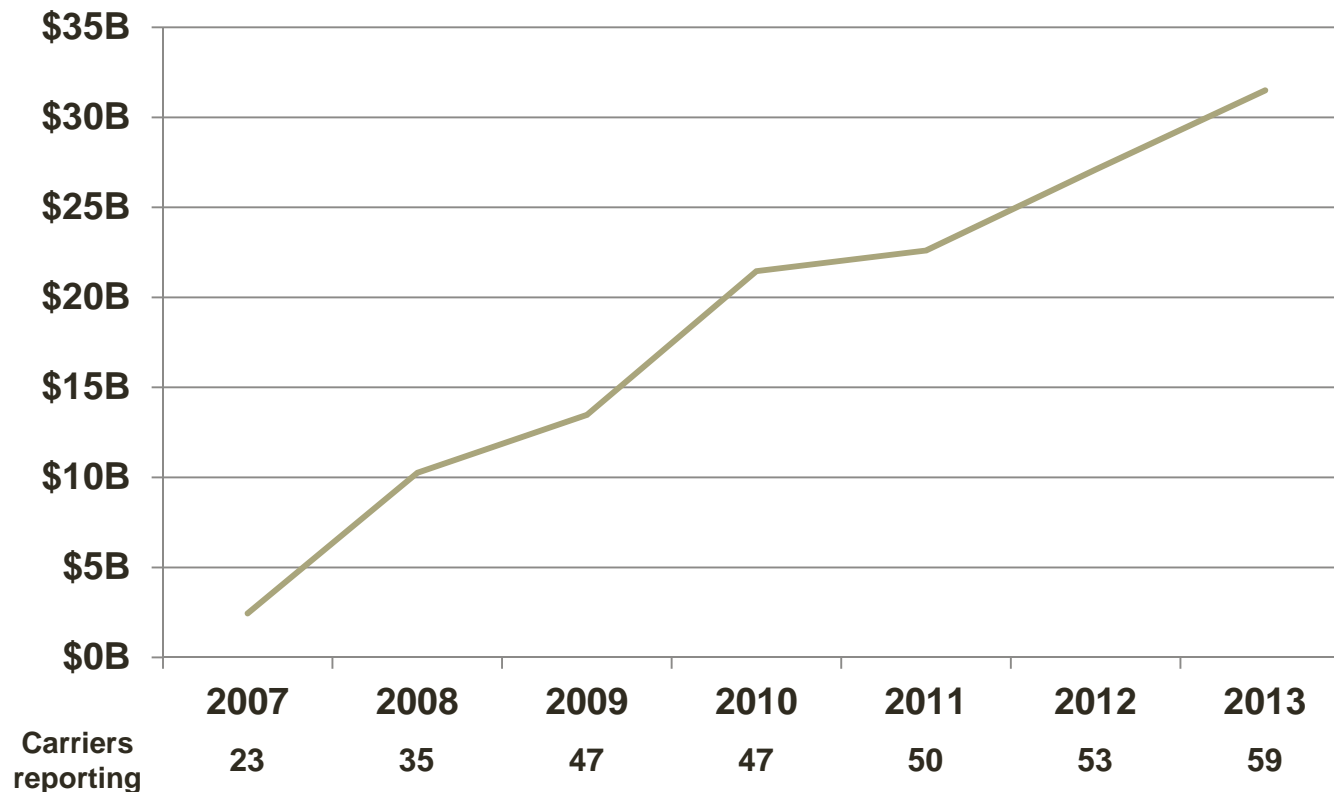
Travelling with sports equipment? Add it to your booking.

£25⁰⁰ Per item

Add equipment >

Ancillary revenue is growing sharply

Airline-reported ancillary revenue has grown from \$2.5B to more than €31B in six years



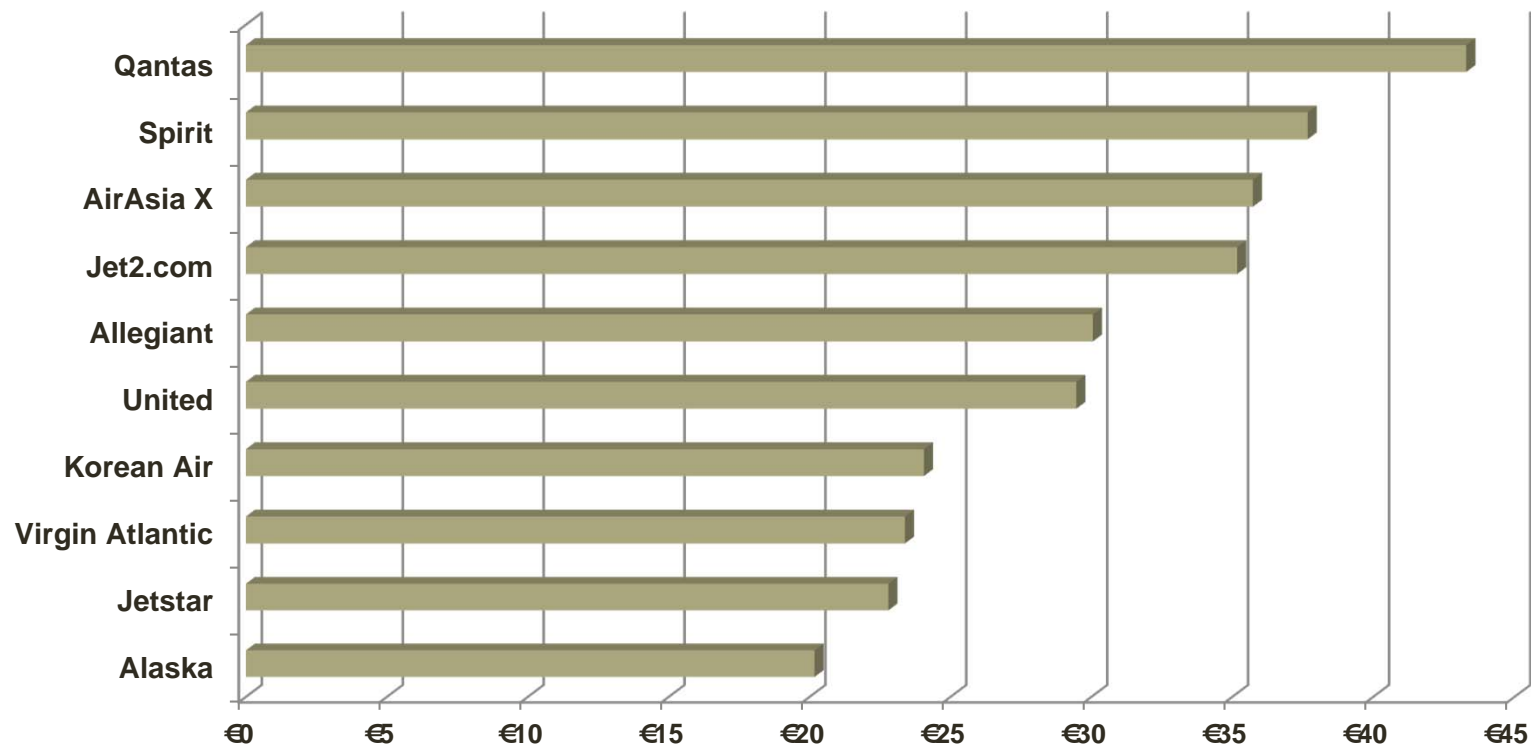
Source: IdeaWorks / Amadeus joint press release, July 16, 2014

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Ancillary revenue: not just for low-cost carriers

Some large network carriers are the among the most successful

Top 10 Airlines - 2013 Ancillary Revenue Per Passenger



Source: IdeaWorks' *Yearbook of Ancillary Revenue Results*, 2013

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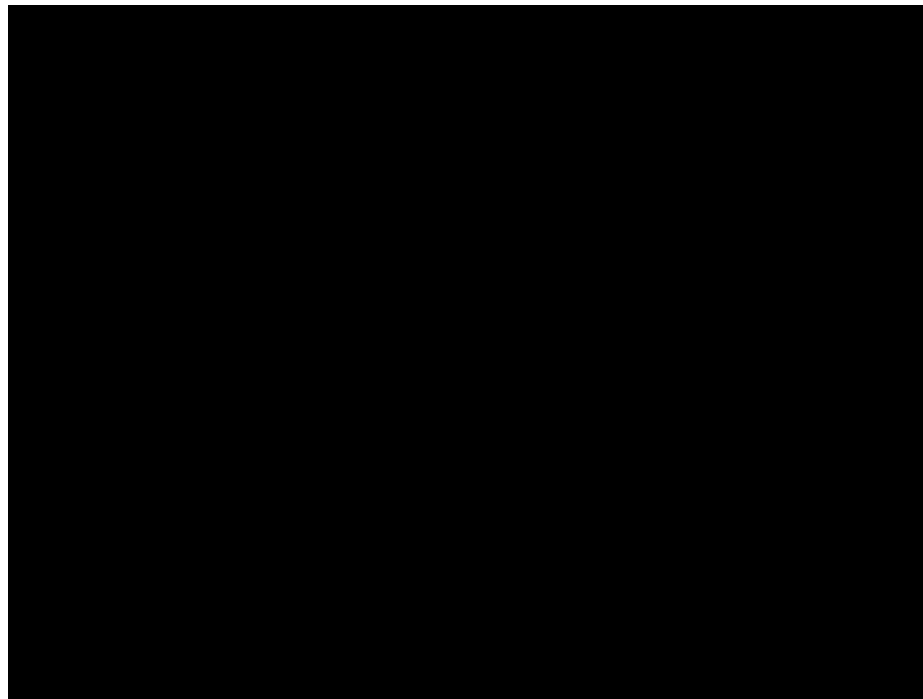
Improve customer perception of value through “fare branding”

At first, customers may perceive unbundling as unjustified up-charging

“Why is the airline making me pay for what I used to get for free?”

Fare branding or “fare families” help clarify the relationship between fare paid and value received – *and can even encourage “buy-up”!*

*Video: Air
New
Zealand
“fare
families”*



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Example: Air New Zealand “fare families”

				 Seat • 1 carry on bag, 7kg • Tea, coffee & water (no meal) • Buy snacks onboard • TV, music, games, Air NZ flights only	 Seat + Bag Seat option plus: • 1 checked bag, 23 kg Please note: meal not included	 The Works Seat + Bag plus: • Meal and drinks • Movies • Seat request	 Works Deluxe The Works plus: • 1 extra bag, 23kg • Premium check-in • Lounge access • Neighbour free guarantee
Int'l Airline	Departs	Arrives	Duration				
	6:45 pm Tue 13 Mar	11:55 pm Tue 13 Mar	3h 10m <u>1 flight</u>	 \$229	 \$254	 \$284	 \$399
	9:20 am Tue 13 Mar	2:30 pm Tue 13 Mar	3h 10m <u>1 flight</u>	 \$279	 \$304	 \$334	Not available
	9:40 am Tue 13 Mar	5:30 pm Tue 13 Mar	5h 50m <u>2 flights</u>	 \$341	 \$366	 \$396	 \$541
	11:30 am Tue 13 Mar	7:30 pm Tue 13 Mar	6h 0m <u>2 flights</u>	 \$341	 \$366	 \$396	 \$541

Customer data is being used to target personalized product bundles and pricing ...

Create customized offers based on customer profile and purchase history

Offer discounts or bonuses (loyalty miles, free ancillary products)

Reinforce customer loyalty by getting them to “shop with us first”

Next step: Channel-specific pricing and availability

Drive traffic to lower-cost booking channels (e.g., airline website)

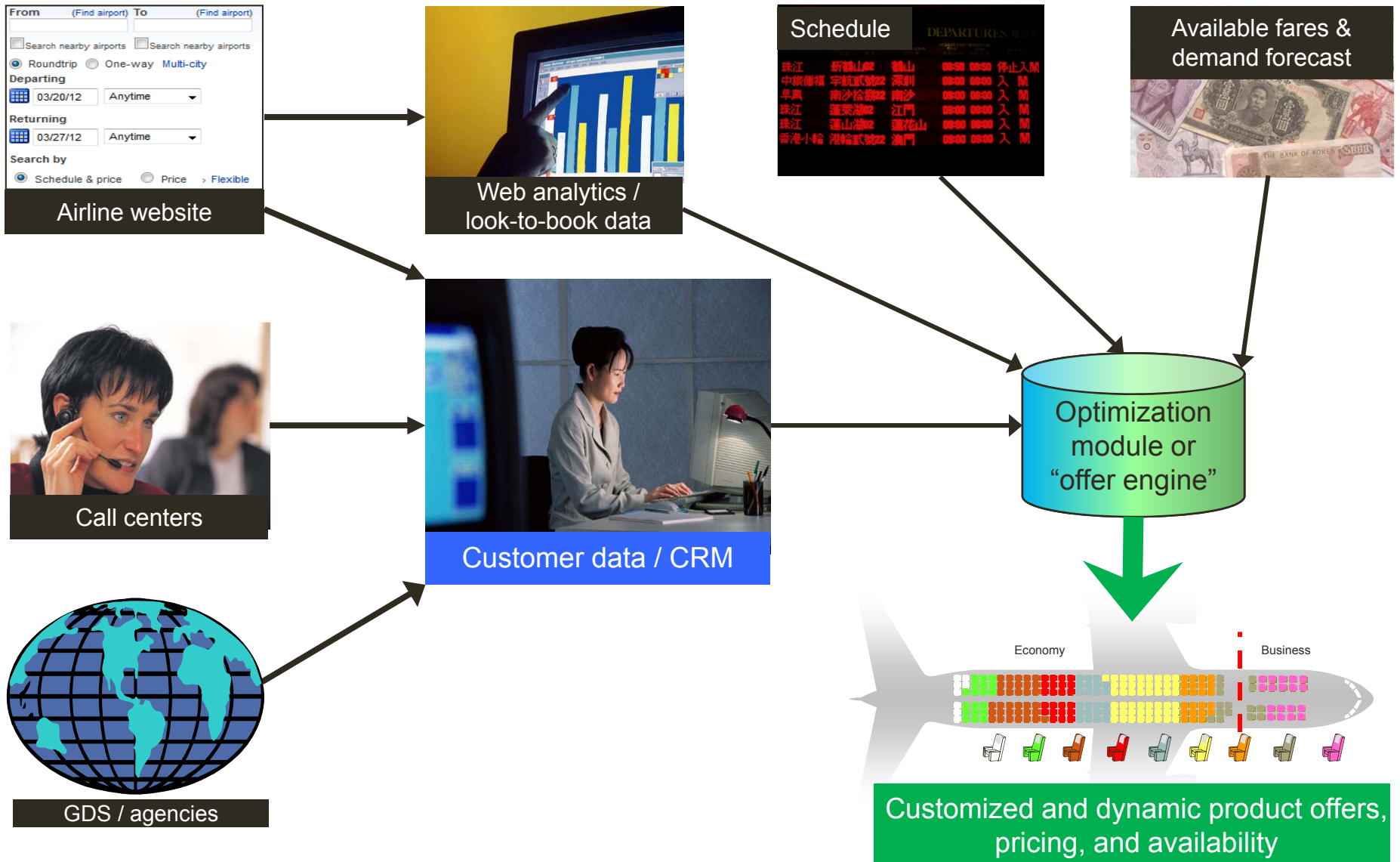
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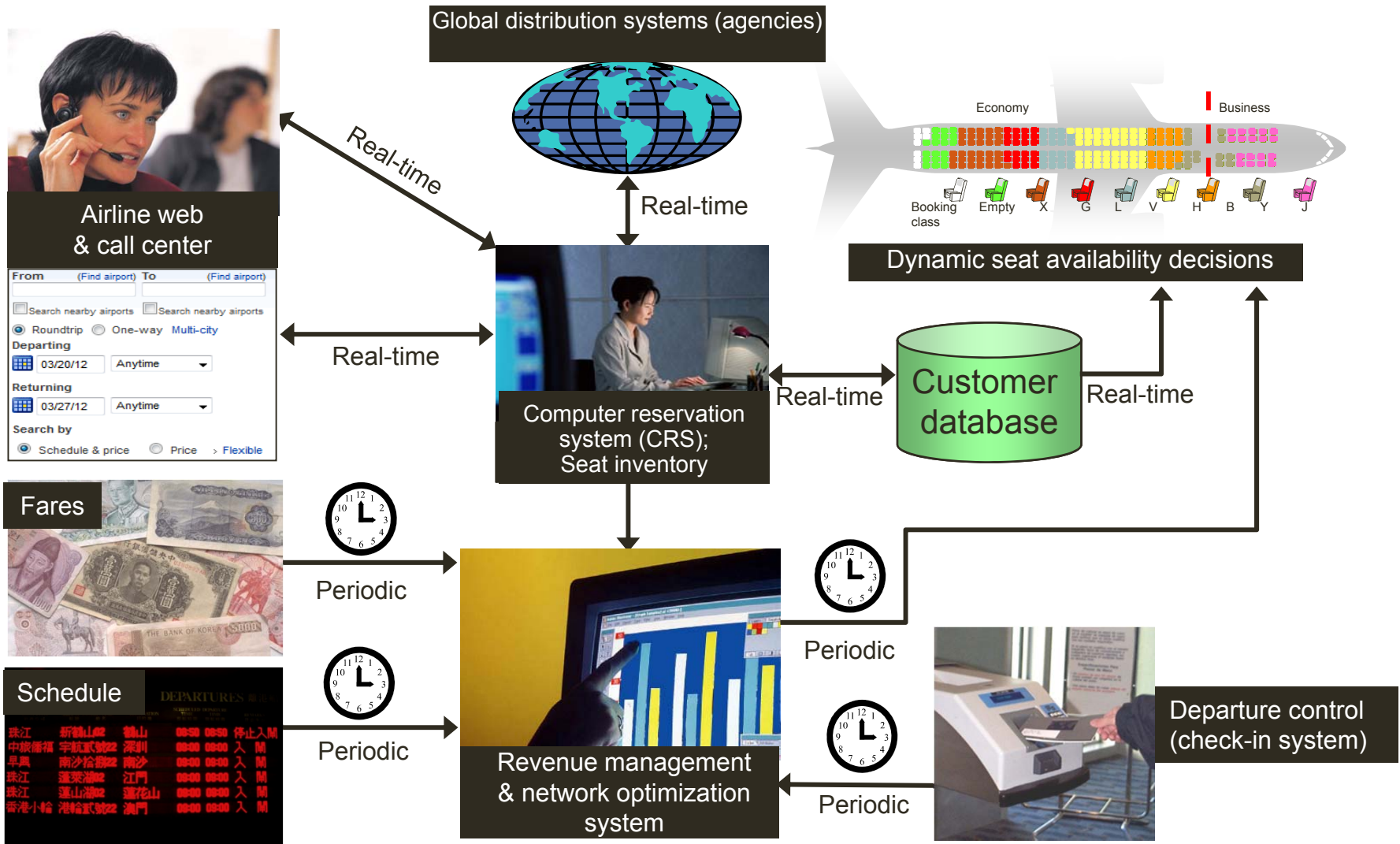
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--	--	--

... which means a wide range of data must be retained and analyzed



The integrated customer database is key to an ideal revenue management platform ...



... but it requires an airline to capture and utilize a wide range of customer & transaction data

Internet retailers know that “look-to-book” matters just as much as “booked”

What markets/dates are customers querying even when they don't buy?

Use website “screen scraping” to compare real-time fares

Analyze online fare searches by O&D to find restrictive fare inventory or less-preferred schedules

Multiply RM's benefits by using customer data to make customized offers

Target discount offers based on specific customer's transaction history

Reinforce loyalty by getting customers to “shop with us first”

*Infrastructure is expensive and customer buy-in takes time,
but the return on investment is worth the effort!*

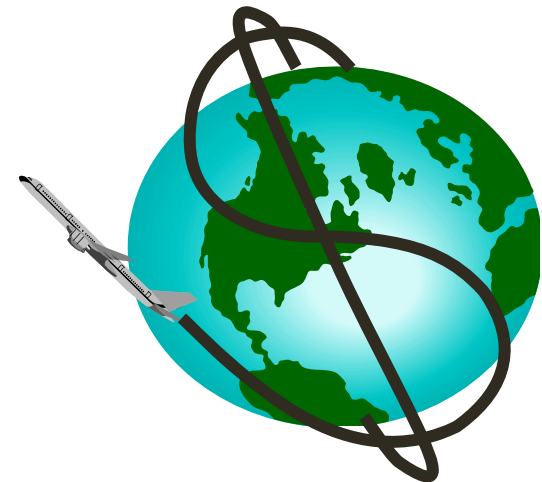
Important concepts

Revenue management maximizes revenue by forecasting demand, segmenting customers, & optimizing fare availability

Forecast data has many other valuable uses for an airline

Optimal revenue management requires a careful balance between spill and spoilage

Successful airlines focus on revenue per available seat-kilometer (RASK)



Future gains in revenue management will require a wealth of data in order to understand customers and shape their behavior