

On Time, Every Time: Leveraging Trusted Data to Unlock Key Insights



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Data Analyst



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Ask us questions





On Time, Every Time: Leveraging Trusted Data to Unlock Key Insights

James Chew & Maimanah Mansor
Professional Data Services, Cirium
11 June 2025

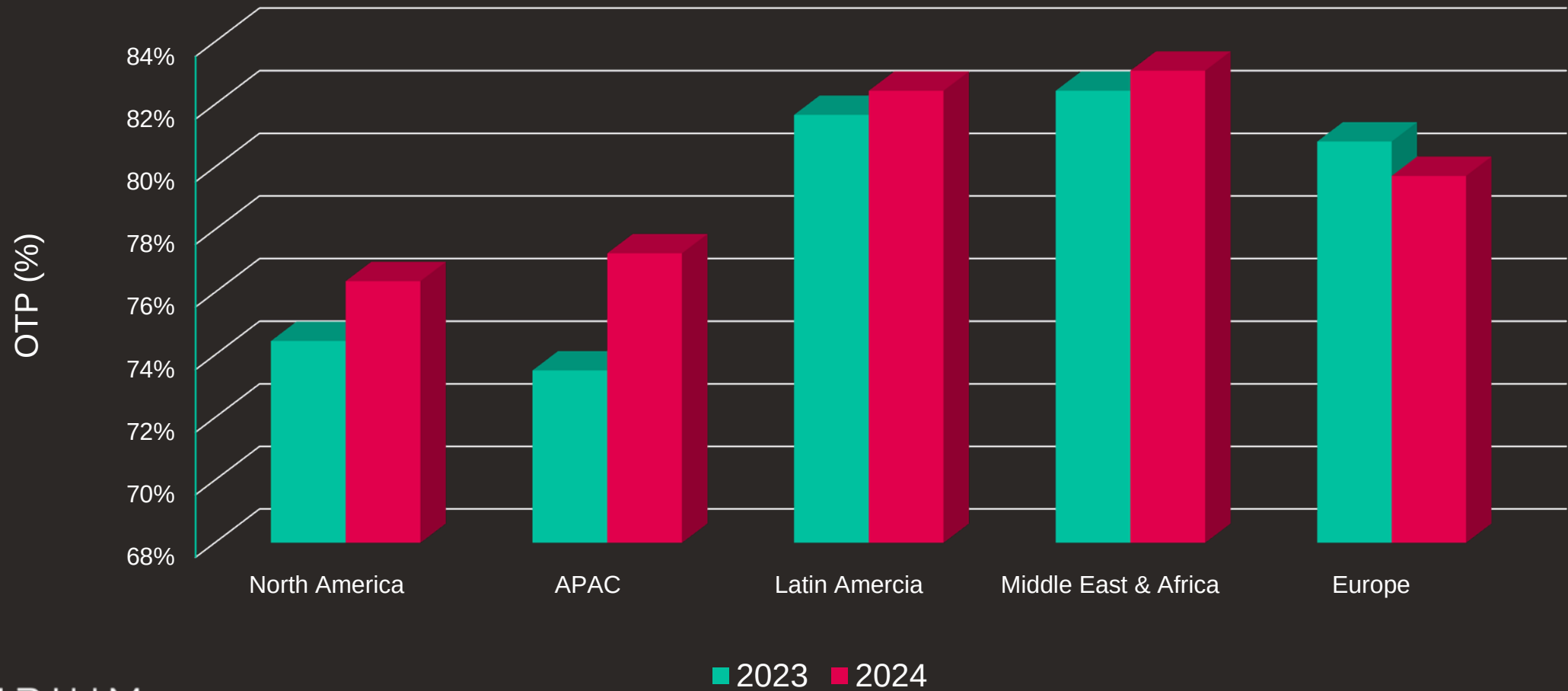


What is On-time Performance (OTP)?

- **Airline** on-time performance is defined as a passenger flight arrived at the gate within 15 minutes of the scheduled arrival time.
- **Airport** on-time performance is defined as a passenger flight departed from the gate within 15 minutes of the scheduled departure time.

On-Time Performance 2024 vs 2023

Most regions experienced overall OTP improvement in 2024 versus 2023



Why is OTP even more important now?

Increased
Passenger
Expectation

Operational
Challenges

Increased
Competition

Regulatory
Enforcement

Technology
Advancements

What airlines and airports have done using OTP data? Some use cases...

Operational Efficiency Improvement

Delta Air Lines employs advanced analytics to scrutinize OTP data across its network. By identifying specific routes that frequently experience delays, Delta can adjust flight schedules or increase staffing during peak times.

Performance Benchmarking

Southwest Airlines regularly analyses its OTP against competitors like American Airlines and United Airlines to set strategic goals for improvement initiatives aimed at enhancing operational reliability and flights punctuality.

Maintenance Planning

Ryanair tracks aircraft performance alongside OTP metrics to flag planes showing frequent delays due to mechanical issues. These aircrafts will be scheduled for preventive maintenance sooner than planned.

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Effective Marketing Campaign

Alaska Airlines showcase its strong track record of punctuality in their campaigns which is appealing directly toward business travellers who prioritize reliable services and punctuality

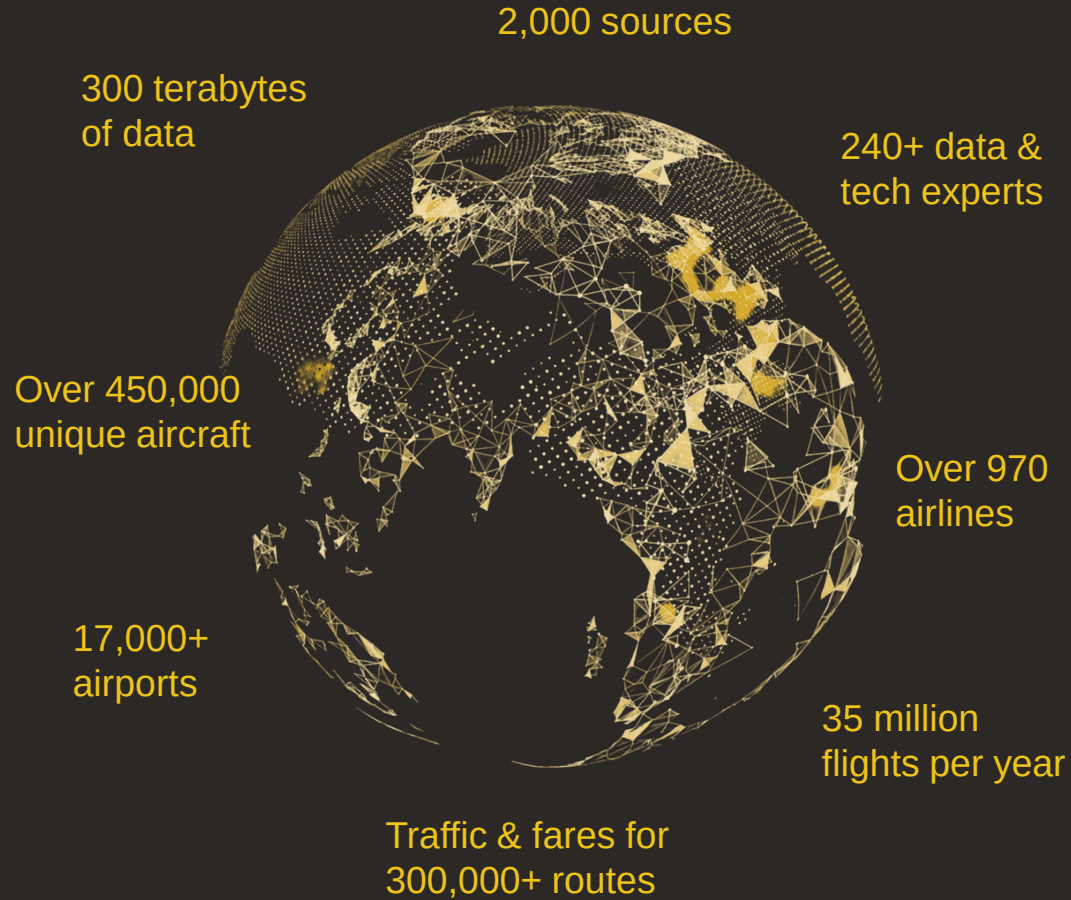
Crisis Management Planning

Chicago O'Hare International Airport uses real-time weather forecasts and OTP data for crisis management, enabling quick decisions on gate reallocations and flight rerouting during severe storms.

Regulatory Compliance Reporting

Los Angeles International Airport must comply with FAA service quality standards by submitting regular reports on its on-time performance compared to national averages and benchmarks from other major U.S. airports.

Access to the industry's largest aviation database



- Single source of truth: **Highest quality and trusted data** available in the market today
- Covering the **360-degree view** of aviation from flights, schedules and fleet to traffic, fares, weather, DOT BTS, flow management, accidents and emissions
- Unrivalled **data partnerships** including with Aireon, major global airlines, the DOT, Eurocontrol and more
- Largest data and technology team in the market who **drive data quality, reliability, and structure** as a priority and stringent security processes

A wealth of aviation data and analytics

Aviation data finally in one place, available via your choice of surface

Schedules

- Published schedules
- Marketing & operating carrier
- Minimum Connect Times (MCT)
- Mainline & regional carriers
- Departure & arrival airports
- Aircraft seat configurations
- Aircraft types

Fleet

- Aircraft ownership & age
- Aircraft cycle & utilization
- MTOW
- Aircraft values
- Aircraft engine types
- Class & seat configuration
- Installed IFEC systems
- Accident data

Flight

- Flight status (OOOI, IRROPS)
- Departure & arrival times
- Flight surveillance & positional
- Tail / registration numbers
- Aircraft types & changes
- Flight plans
- Advanced metrics (deviation analysis)

Passenger

- Global Traffic
- Global tickets
- Fare offers
- QSI
- Fair Share
- Trip breaks
- PNRs
- Itineraries
- Trip outcome
- Waivers

Aeronautical

- FAA Traffic Management Initiatives (TMI)
- FAA SWIM (TFMS)
- FAA SWIM (SFDPS)
- FAA SWIM (STDDS)
- Eurocontrol (Regulations)
- Weather - METARs, TAFs, Sigmets
- NOTAMs
- Aeronautical information
- Other ANSP-related Info

Emissions

- Forecast fuel burn & CO₂ emissions:
 - per aircraft
 - per flight
 - per seat
- Historical fuel burn & CO₂ emissions
 - per aircraft
 - per flight
 - per seat

How can Cirium's data help you?

Combine and leverage Cirium's multiple data sets to extract useful and actionable insights

- **OTP Analysis**
- **Block Time Analysis**
- **Route Level/Exception Analysis**
- **Gate Utilization Analysis**
- **Runway Occupancy Analysis**
- **Disruption Analysis**

CIRIUM•blu



Vueling sets the pace for digital transformation

Goals

- Consolidate all critical airline data in one platform and accessible to all areas of the business.
- Eliminate data silos and multiple data providers.

Results

- Evaluate and inform decision making around base performance compared to competing airlines.
- Create a dynamic KPI correlation analysis mapping Vueling against competitors.
- Produce operational strategies based on the analysis of seasonal behavior of Vueling versus other carriers.
- Inform operational efficiency initiatives based on utilization analysis and benchmarking.



Vueling uses Cirium's data to set the pace for digital transformation



Cirium On-Time Performance Award



CIRIUM ON-TIME PERFORMANCE					
THE MOST ON-TIME AIRLINES					
EUROPE AIRLINES REPORT WINNERS					
TOP 10 WINNERS					
	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights
Iberia Express (I2)	1	84.69%	99.57%	99.49%	44,140
Iberia (IB)	2	81.58%	99.35%	98.83%	183,268
SAS (SK)	3	81.40%	99.90%	99.09%	217,998
Vueling (VY)	4	81.20%	99.84%	99.09%	223,567
Norwegian (DY)	5	79.23%	92.16%	99.18%	84,585
Air Europa (UX)	6	78.99%	99.41%	99.87%	67,776
Austrian (OS)	7	78.72%	99.94%	98.44%	120,459
Brussels Airlines (SN)	8	77.77%	98.06%	98.67%	64,207
LOT Polish Airlines (LO)	9	77.72%	88.67%	99.31%	101,408
Norwegian Air Sweden (D8)	10	76.04%	92.77%	99.51%	65,318

Mission to be in

CIRIUM ON-TIME PERFORMANCE

THE MOST ON-TIME AIRLINES

EUROPE AIRLINES REPORT WINNERS

TOP 10 WINNERS

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CONTENT 32

Mission to be in



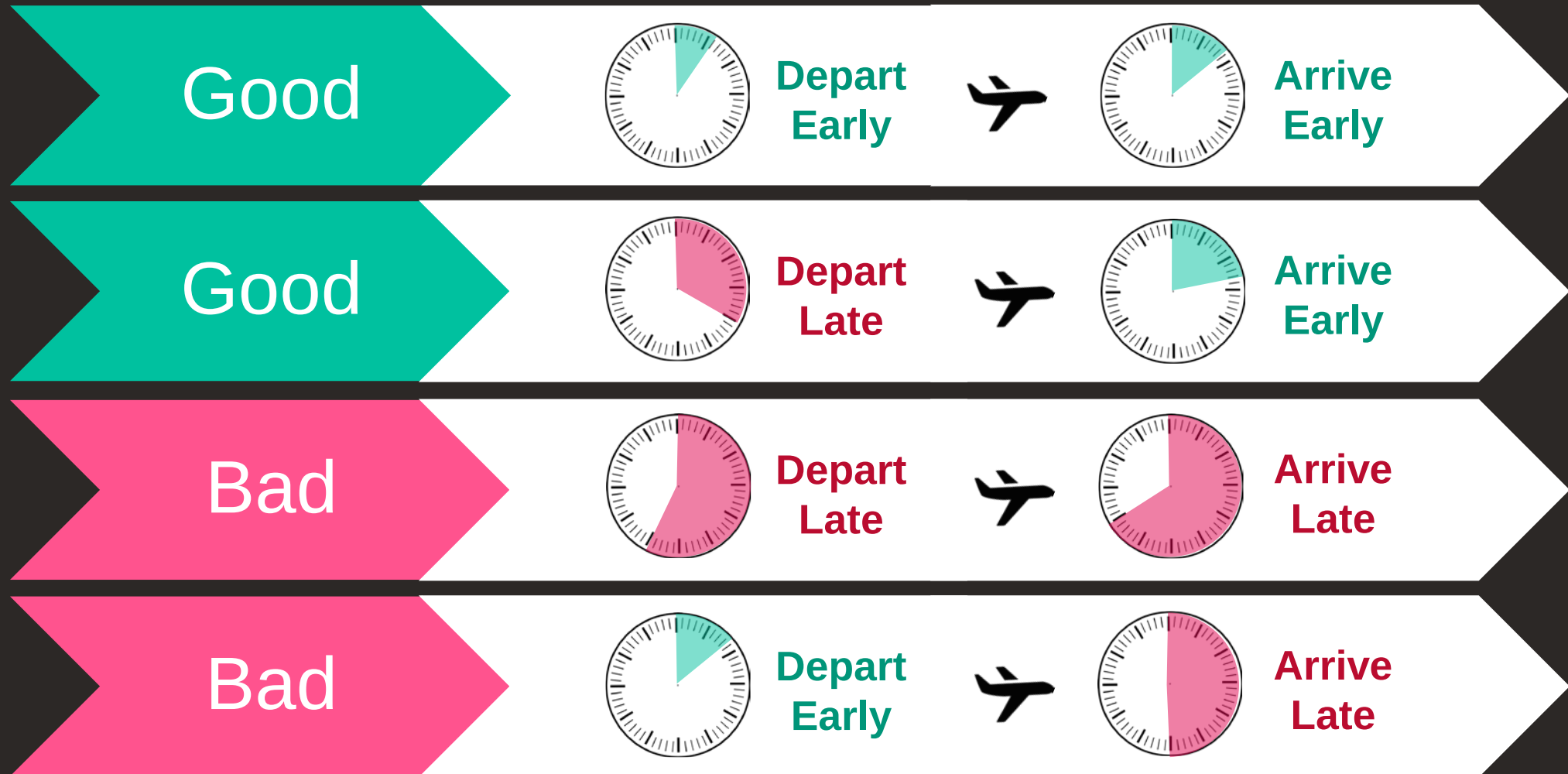
British Airways
(BA)

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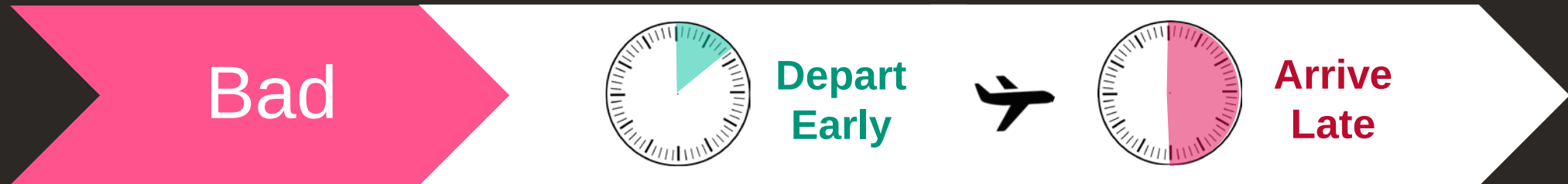
Types of Arrival



Types of Arrival



Worth to investigate causes on ground and establish preventions.



Worth to re-evaluate planning on block times.

How is my OTP performance?

Which of the bad
category am I ?



Performance of British Airways

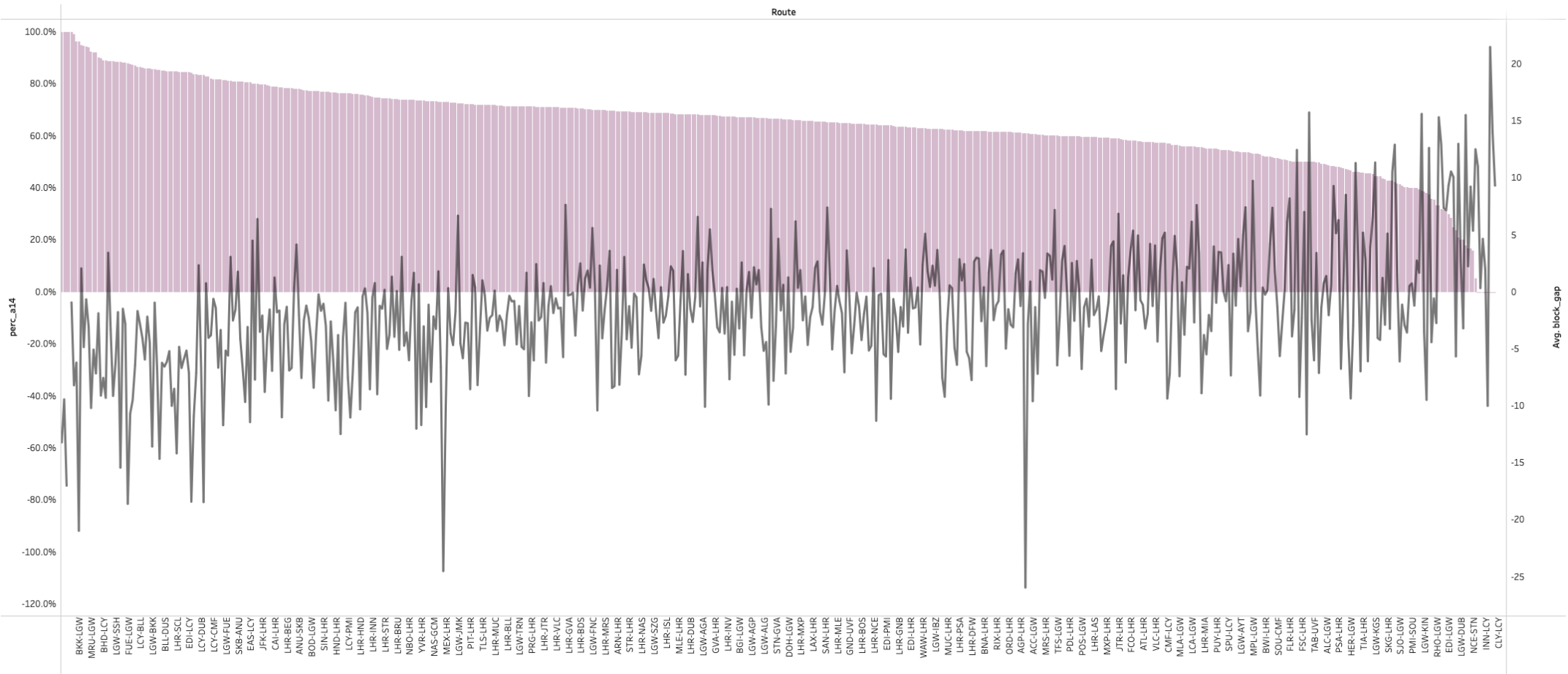


By
Year

67.84%

By
Route

British Airways A14 (%) By Route VS. Average Block Gap



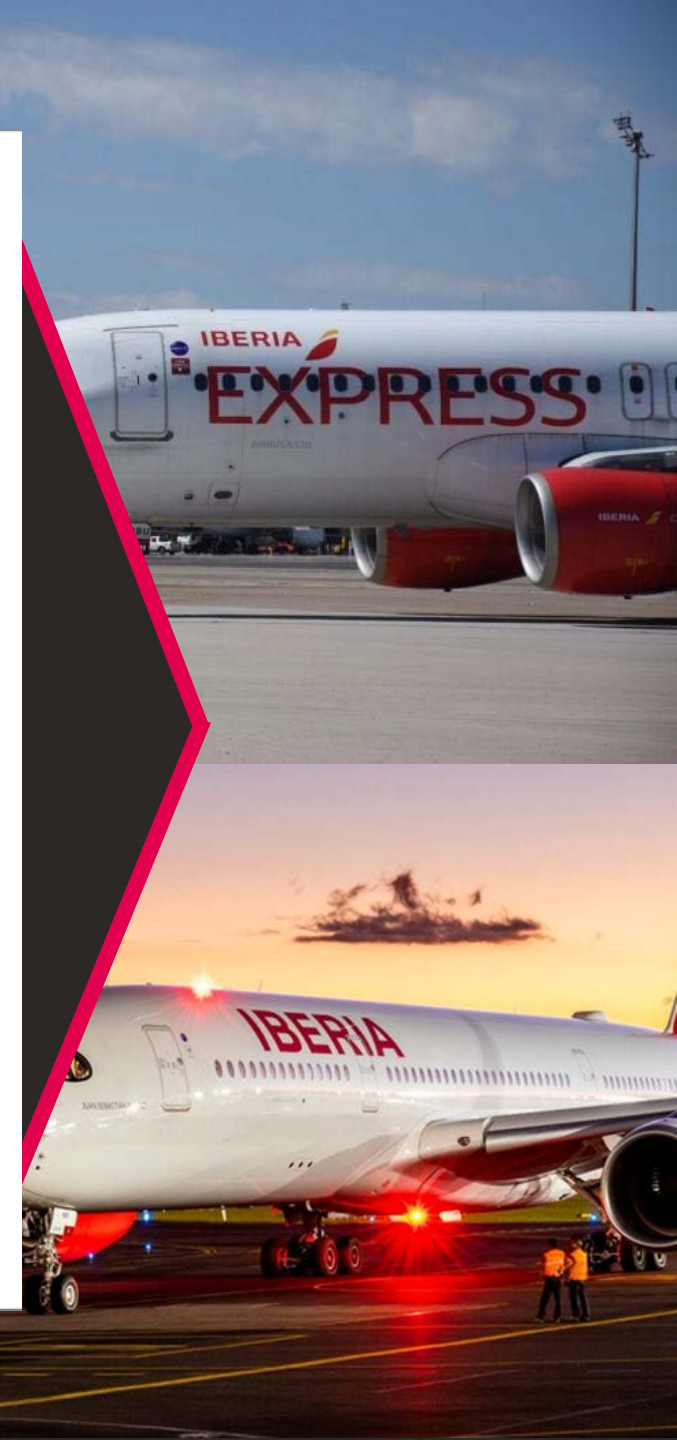
How are the OTP performance of the top winners?

THE MOST ON-TIME AIRLINES

EUROPE AIRLINES REPORT WINNERS

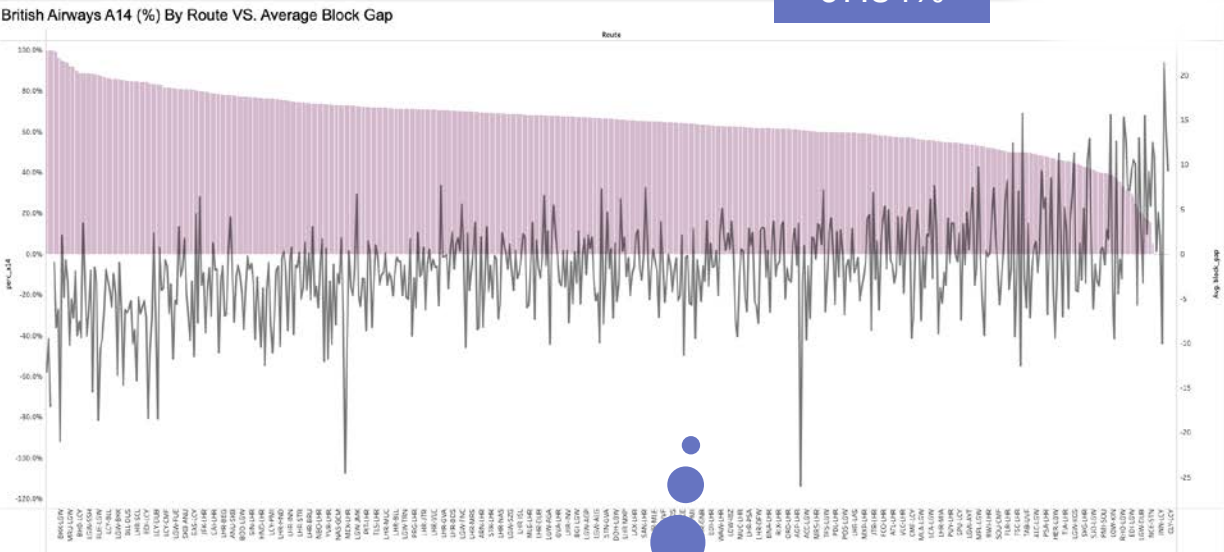
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Performance of British Airways

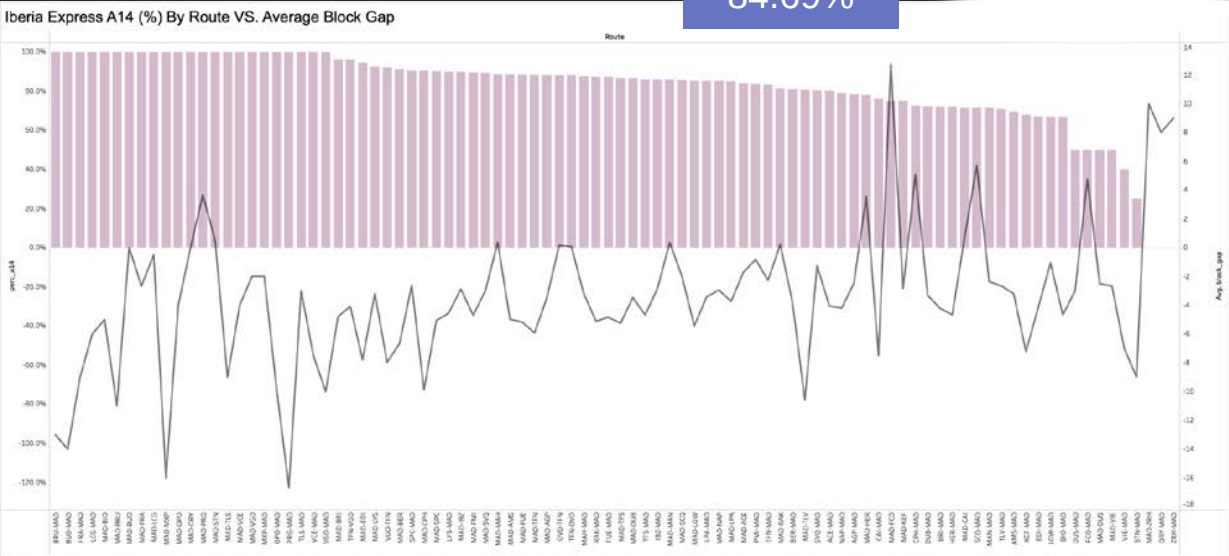
67.84%



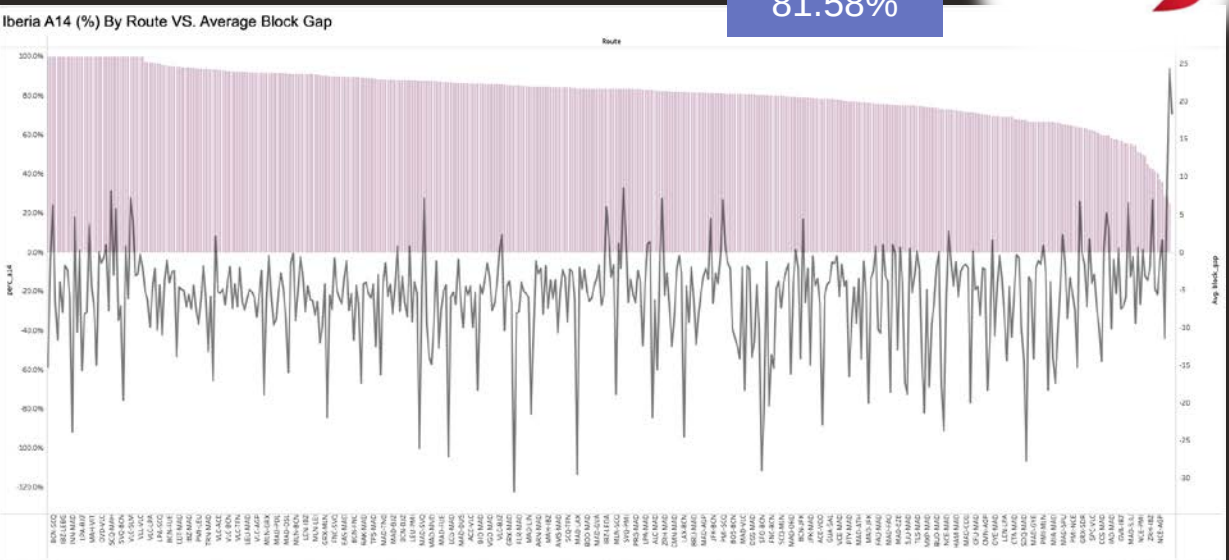
I have many events
of actual block time
exceeding
scheduled block
time

Study:
LGW-KGS

84.69%

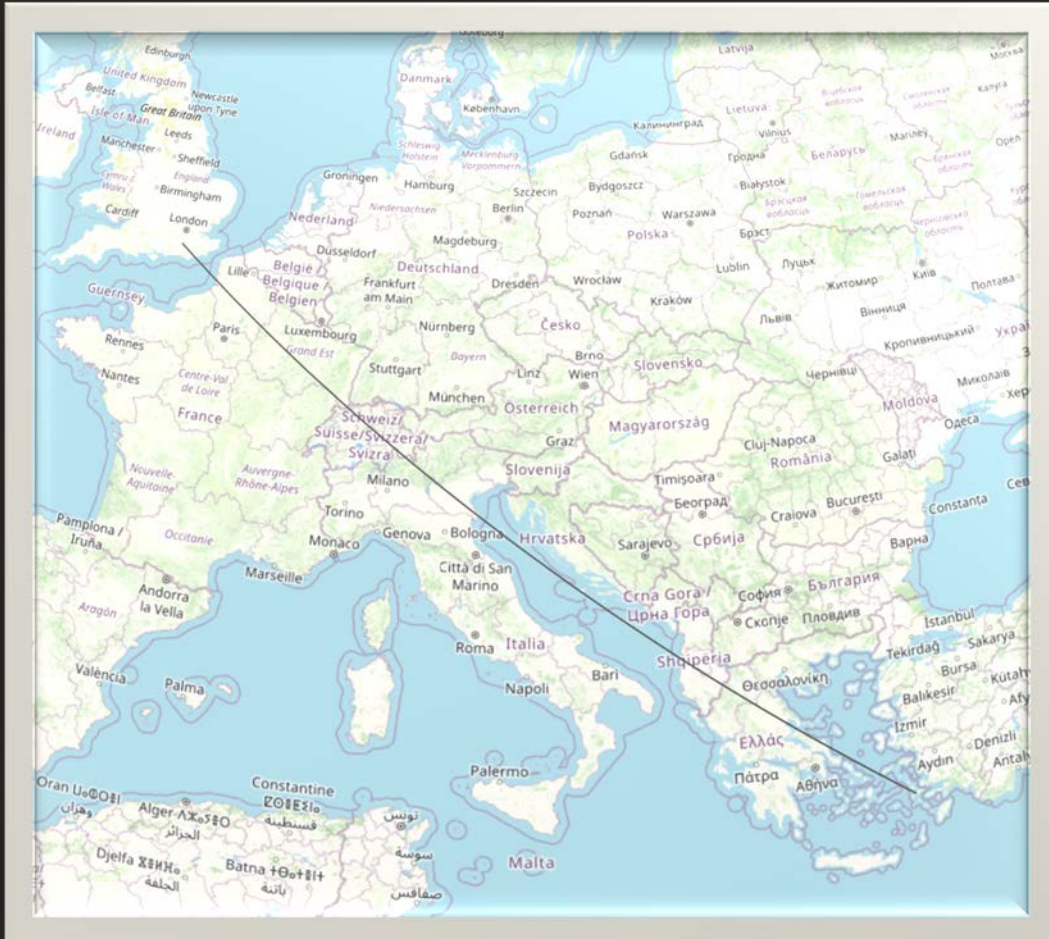


81.58%

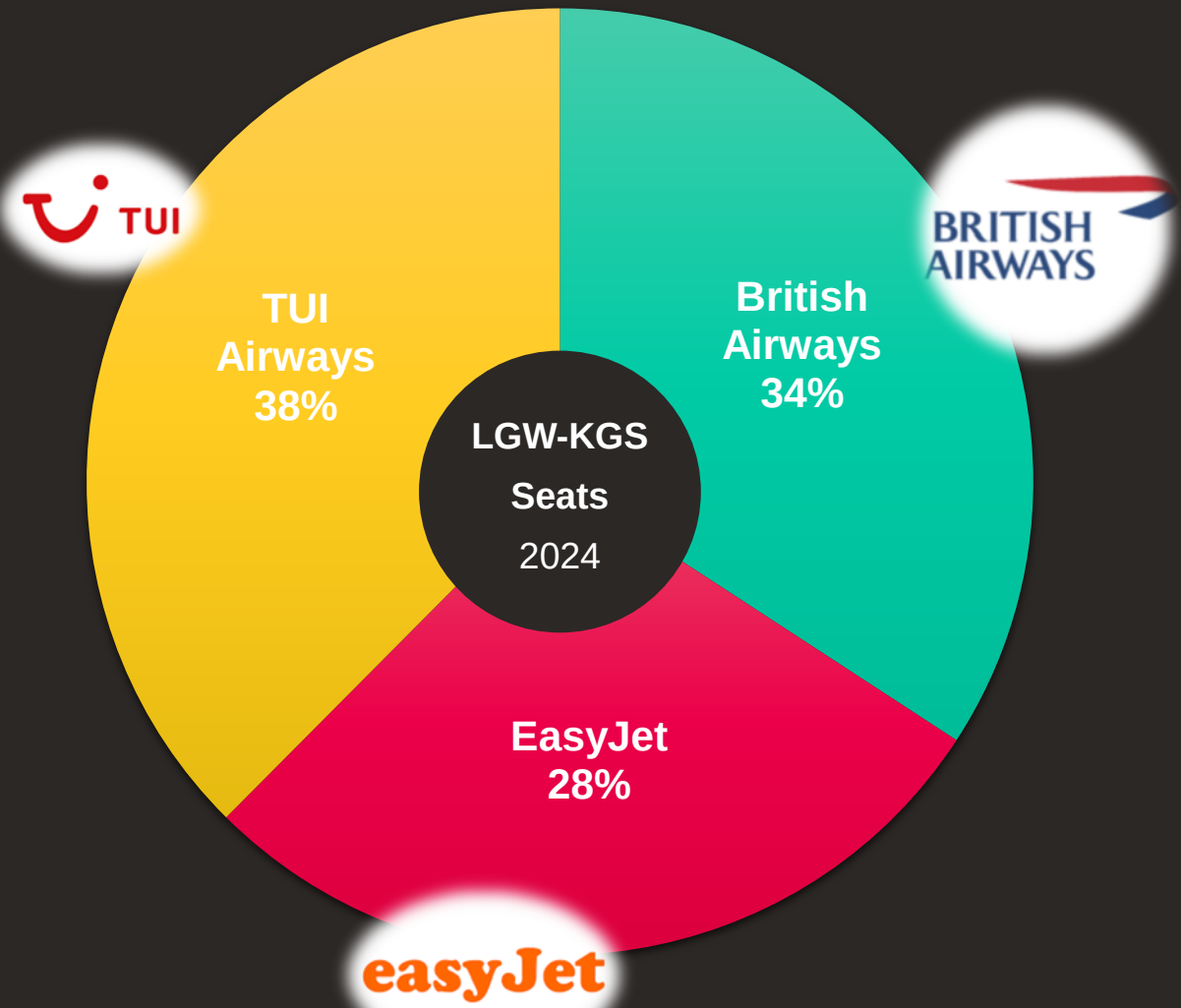


Route Market Share

London Gatwick Airport 

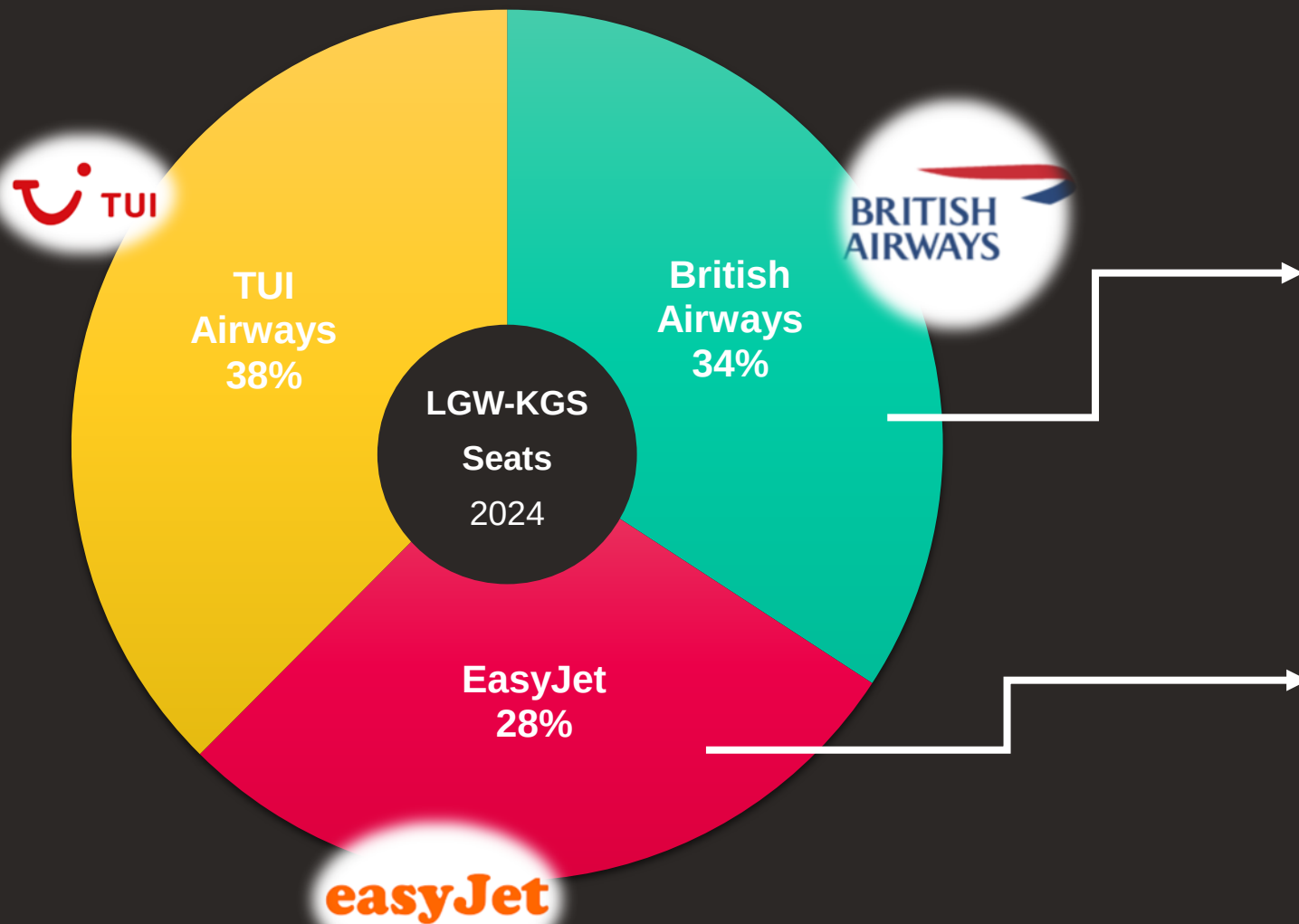


Kos International Airport 

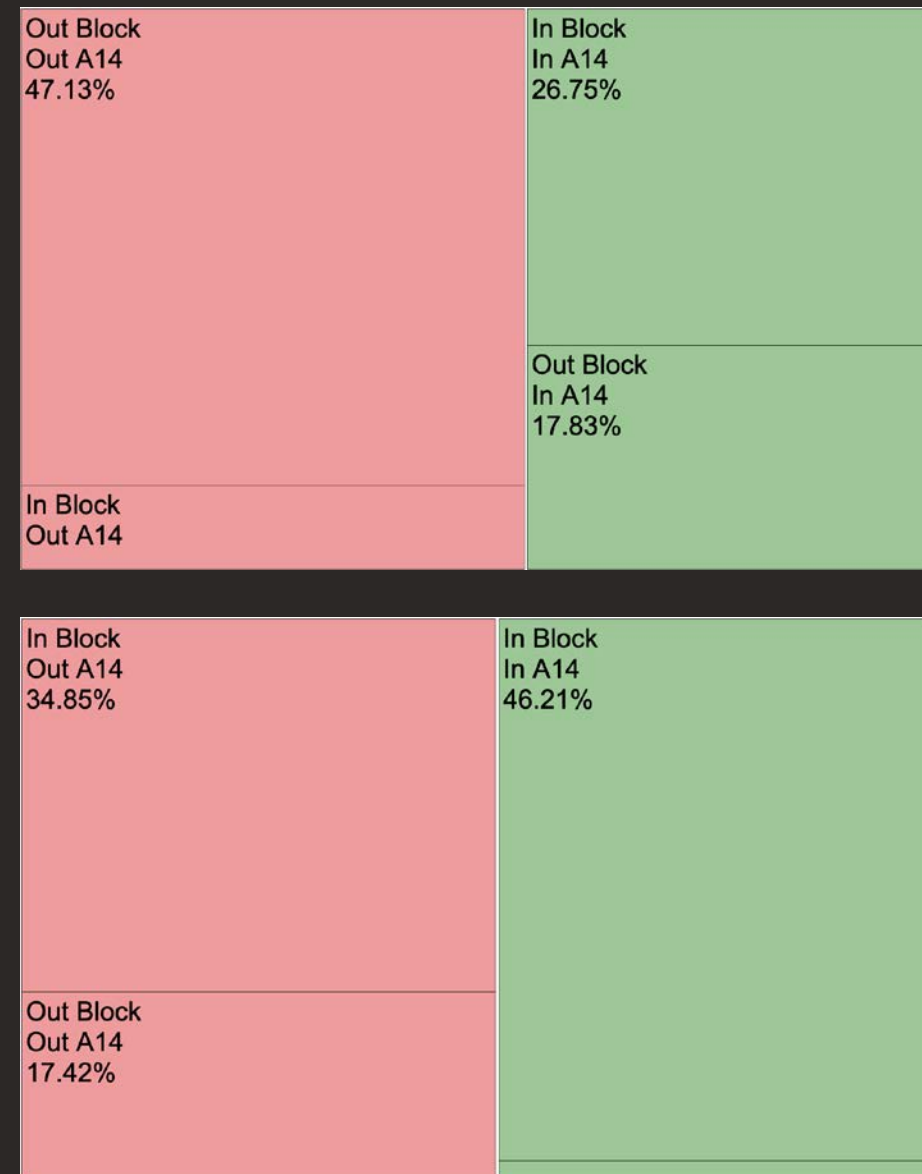


Route : LGW-KGS

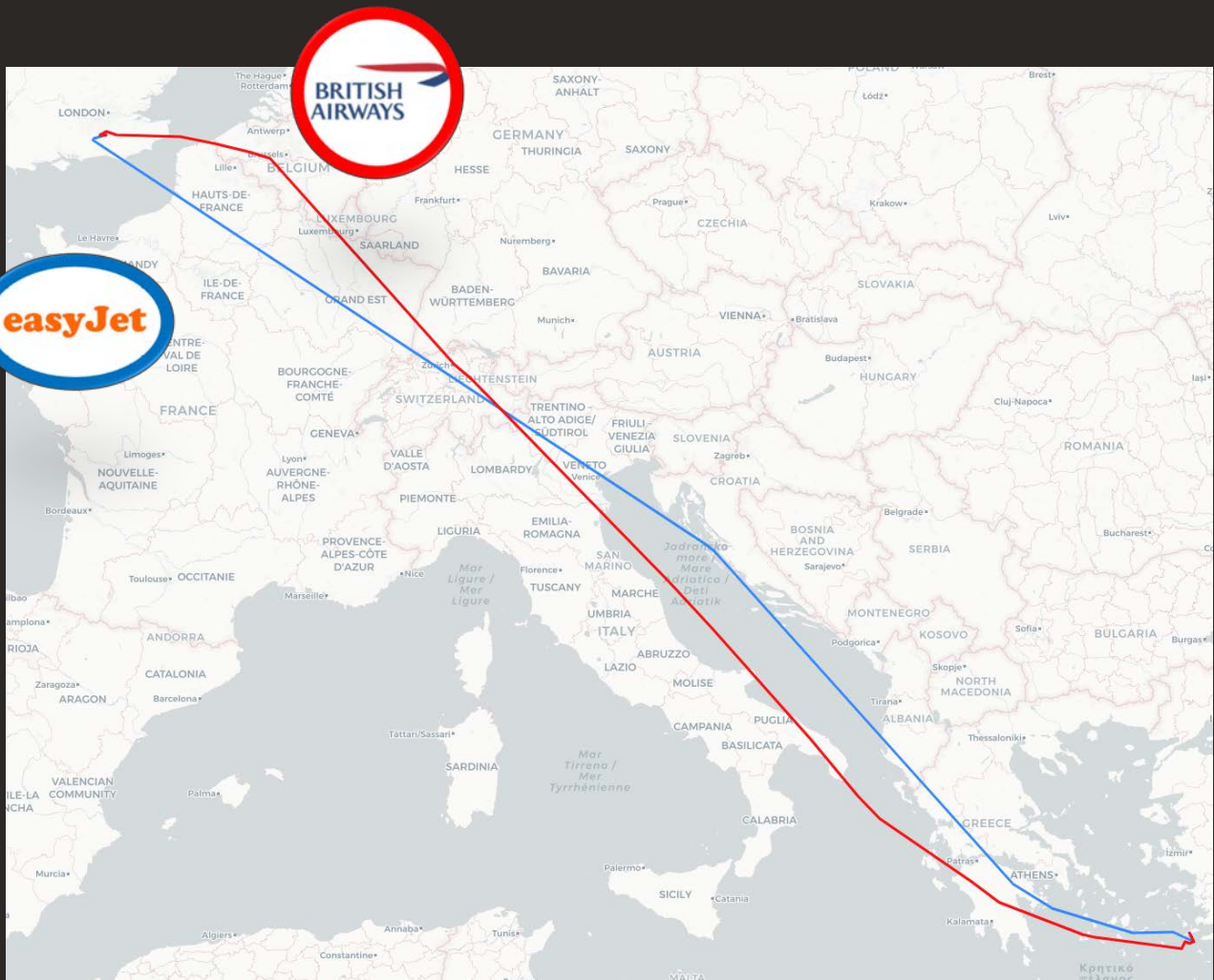
Year: 2024



Route Market Share



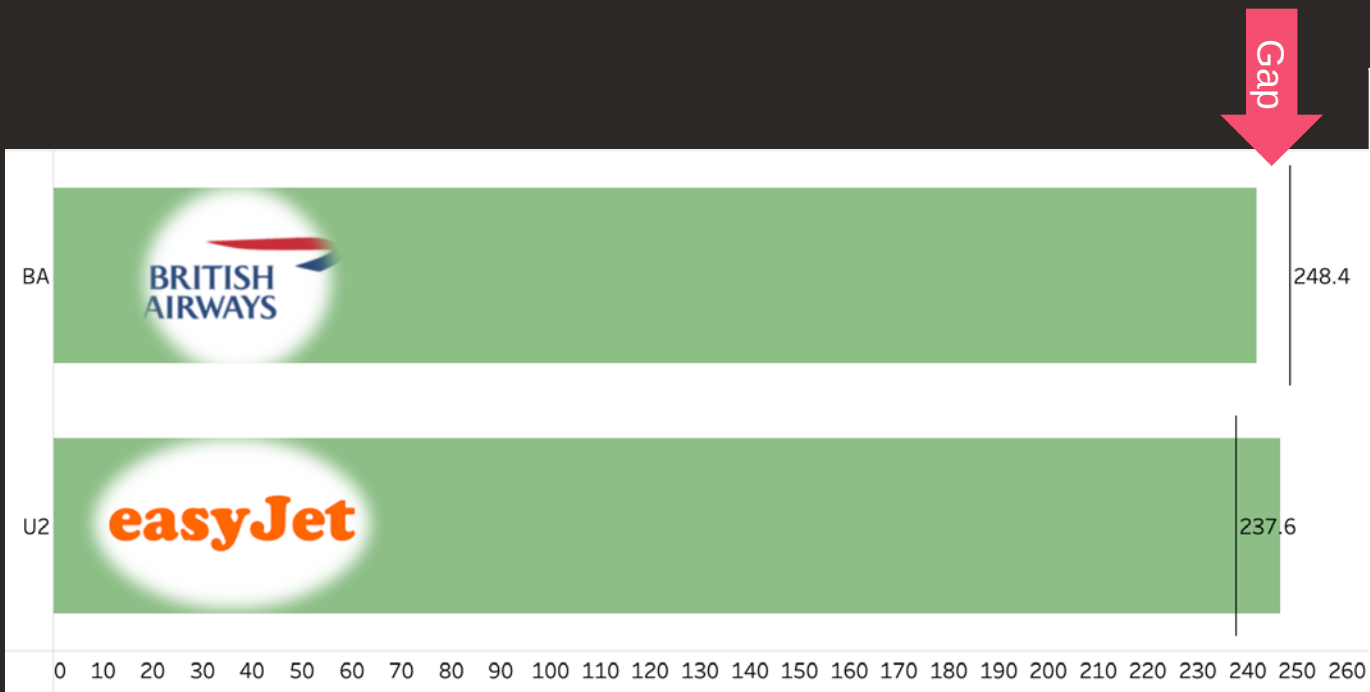
Sample Flight



Data Fields	British Airways	EasyJet
Flight Date	01/July/2024	01/July/2024
Aircraft Type	A320	A320
Route	LGW-KGS	LGW-KGS
Scheduled Block Time (min)	245	250
Actual Block Time (min)	274	230



All Flights



Data Fields	British Airways	EasyJet
Flight Year	2024	2024
Aircraft Type	A320	A320
Route	LGW-KGS	LGW-KGS
Avg Scheduled Block Time (min)	241.7	246.5
Avg Actual Block Time (min)	248.4	237.6

I may need to re-plan my schedules to allow more padding of block time.



Value of OTP

Iberia and Iberia Express named as Europe's most punctual airlines in 2024

By Luke Peters
January 6, 2025, 13:15 (UTC +3)



juanpabloms / Shutterstock



Spanish carriers Iberia and Iberia Express have been named the most punctual airlines in Europe in 2024, taking the two highest rankings in an industrywide survey published for the year.

According to data analytics organization, Cirium, Iberia Express was the most punctual airline in Europe in 2024 with an arrival punctuality rate of 84.69%, which also made it the most punctual low-cost airline in the world in 2024. According to Cirium's On-Time Performance Report for 2024, Iberia was the second most punctual airline in Europe, with a total of 183,268 flights and 81.58% of flights arriving on time at their destinations. This made the carrier the world's eighth most punctual carrier overall.

“Punctuality is, without a doubt, what our customers demand the most, and, because of this, we devote all our efforts to try to maintain the high standards achieved in recent years,” said Marco Sansavini, President of Iberia.



Photo Source: Iberia Media Centre

Source:





Steps to take on leveraging data:

Want to Improve



Get access
to trusted
Data



Identify the
causes of own
issues



Compare
patterns
between us and
others



Re-establish
planning



Results



Cirium Sky Team - Professional Data Services

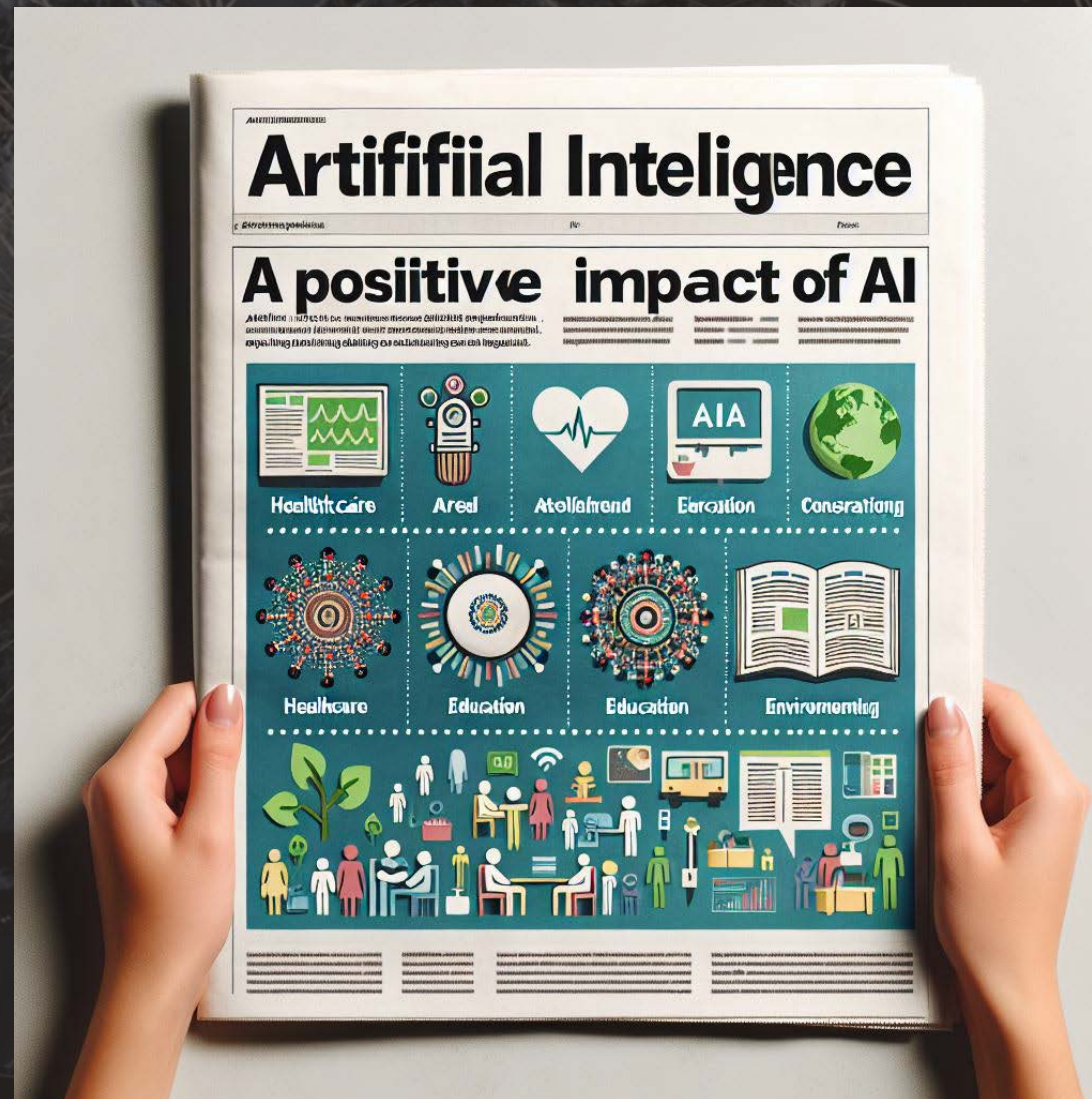


Premium bespoke analytics and custom solutions with industry experts to meet the unique and specific needs of your global aviation business.

To empower our clients to achieve
On Time, Every Time



AI – The future in airports?



AI isn't new, but the way we use AI is!

Opportunities

Machine Learning AI applied to data for value-added analytics



Generative AI layered on quality data for AI assistance



The next phase: we go deeper with OTP analysis and introduce new complementary assistants

 My Insights

 My favourites

 Shared with me

 Shared by me



easyJet and Vueling On-Time Performance Comparison at...

In the past month, Vueling consistently outperformed easyJet in on-time performance at Barcelona, with Vueling achieving higher and more stable OTP levels, while easyJet experienced significant fluctuations in its daily...

[Read more](#)

3d ago **NEW**

Taxi Times for Flights Arriving at CLT...

February 2025 saw daily taxi times for flights arriving at CLT range from 11.3 to 14.6 minutes, with notable fluctuations indicating operational challenges. The data highlights the need for monitoring...

[Read more](#)

3d ago **NEW**

Delta Airlines' On-Time Performance Trends Over 16...

Delta Airlines has shown fluctuating on-time performance over the last 16 weeks, with significant dips during the holiday season. However, recent weeks indicate a strong recovery, maintaining high departure and...

[Read more](#)

4d ago **NEW**

Delta Airlines Faces OTP Challenges from ATL...

In February 2025, Delta Airlines reported poor on-time performance on several routes from Atlanta, with the worst affected including Spokane and Burbank. Factors such as high delays and operational inefficiencies...

[Read more](#)

4d ago **NEW**

Flight Operations from NYC to London in...

In August 2025, British Airways leads with 310 flights from JFK, EWR, and LGA to LHR, followed by United Airlines and Virgin Atlantic. JetBlue maintains a presence with 62 flights...

[Read more](#)

5d ago **NEW**

Flight Schedule Analysis for SAN on July...

On July 12, 2025, San Diego International Airport (SAN) will see 282 flights, with 86 exceeding three hours. Notably, jetBlue has 4 long-haul flights scheduled, all over three hours, from...

[Read more](#)

5d ago **NEW**



