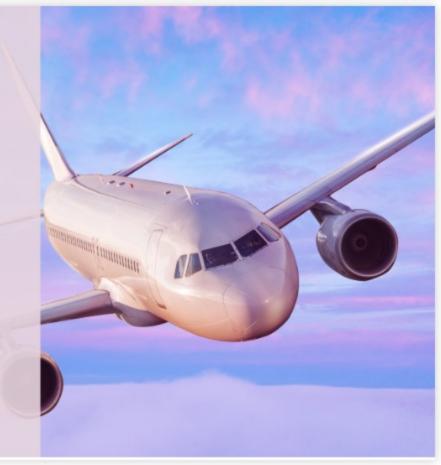
a Business Intelligence Report

Let's Get Started...

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JetSetGo is dealing with rising delays and cancellations across its flight network. These disruptions are not just operational — they lead to frustrated customers, lost revenue, increased compensation costs, and strained crew logistics.

The causes behind these issues vary: some stem from carrier delays and turnaround inefficiencies, while others are due to airport congestion or external factors like weather and security. Without a clear view of what's happening, where it's

happening, and why — it's difficult to act.

This report helps break down the problem into focused areas, providing leadership with the clarity needed to make better, data-driven decisions — whether it's improving route planning, adjusting carrier performance, or tackling root causes of delay and disruption.



Flight cancellations disrupt schedules, cause customer dissatisfaction, and lead to financial losses through rebooking, refunds, and idle aircraft. Without knowing whether cancellations are driven by weather, security, or internal issues, it's hard to build effective contingency plans.

Let's see Why?



Delays increase operational costs, misalign crew schedules, and reduce overall efficiency. Understanding whether delays are due to carriers, late arrivals, or airspace issues helps JetSetGo target the most fixable problems and improve on-time performance.

Let's see Why?



Certain routes and airports consistently experience higher delays and cancellations, creating bottlenecks across the network. Identifying these hotspots helps in resource planning, airport coordination, and improving route reliability.





Not all carriers perform equally. Some airlines consistently contribute to higher delays or cancellations.

Comparing airline performance helps JetSetGo evaluate partnerships, renegotiate contracts, and hold carriers accountable.

Let's see Why?

JetSetGo Cancellations Delays **Airport** Airline & Route Airline All Time Period All State

All

Airport

Overview Flight Status



Cancellation % 10.30% Delay % Avg Flight Distance (mil) 753.95

Top Delay Reason
Departure Delay

Top Cancellation Reason Security

3K

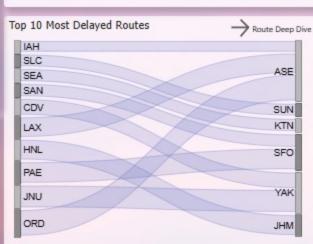
Avg Arrival Delay(min) 46.98 Avg Departure Delay(min) 36.97

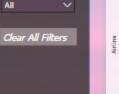


Summary Insights: Delays affected 98.63% of flights, with 10.3% cancellations, mainly due to Security issues. Carrier delays were the top delay cause, and G4 had the highest average arrival delay. Key delayed routes include IAH—ASE and SEA—SUN. Mav–June show signs of improvement.



Average Arrival Delay (mins)





OΚ

Overview

Cancellations

Delays

Airline

Airport & Route

Airline

Time Davie

Time Period

State

All

Airport

All

Clear All Filters

Cancellation Analysis



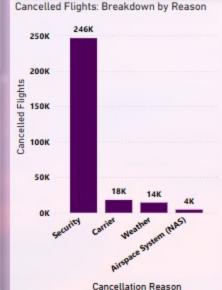




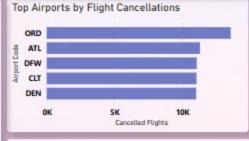
Cancelled Flight

10.30%

Cancellation Rate (%)







Insights:

- 283K flights were cancelled (10.3% cancellation rate).
 Most cancellations occurred in April & on
- Thursdays.
- Security issues are the top cause (87%)
 ORD airport in Chicago and ATL airport in Atlanta
- were most impacted.
- · Airline with most cancelled flights (79K) was AA.
- Airline with highest cancellation rate 25.59% is
 G4.

Overview Cancellations

Delavs

Airline

Airport & Route

Airline

All

Time Period

All

State

Airport

All

Clear All Filters

Delay Analysis

% DELAY > 15 MIN 10.56% Top Delay Reason

Departure Delay

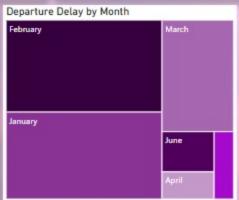




Insights:

- 52.51% of the delay were caused by Departure Delay
- Most Departure Delay were caused in February
- Highest number of flights delayed were recorded in January 191K
- Texas was the top state with 65k departure delay flights.
- 10.56% of the delay was greater than 15 minutes.
- 370K flights were 0-15 minutes late.







Overview Cancellations

Delays

Airline

Airport & Route

Airline

All V

Time Period

All State

Stat

All

Airport

All

Clear All Filters

Overview Flight Status

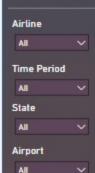
Average Departure Delay by Hour and Day of Week ACTUAL DEP HOUR Fri Mon Sat Sun Thu Tue Wed 42.9 21.8 43.9 106.3 43.0 0 31.6 29.5 27.2 120.9 33.7 36.8 42.3 53.2 54.7 172.2 48.4 17.0 27.6 29.0 -4.45 -3.9 -5.0 -5.1 -3.0 6 -1.1-3.1 -0.6 -0.2 4.0 0.4 4.1 1.9 9 7.9 7.8 26 2.7 10 9.4 4.2 3.7 10.9 11 10.6 4.2 12 11.9 4.7 13 13.2 5.3 5.2 3.8 5.0 14 13.4 15 5.2 14.1 16 13.8 6.7 17 12.4 3.7 6.9 18 16.4 7.5 5.3 6.8 24.0 19 15.1 20 18.0 6.6 10.1 21 22.0 10.6 12.8 18.6 39.5 13.5 20.8 23.0 9.9 14.2 23 25.1 20.6 34.0 65.0 25.1



Overview
Cancellations
Delays

Airport

Airline & Route



Clear All Filters

Airport Analysis

Top Delayed Flights Airport
DFW

Top Cancellation Airport ORD

Summary Insight: This dashboard highlights airports with the worst delay and cancellation performance. DFW, ORD, and PPG stand out for delays, cancellations, and long average delays, respectively. The map shows high departure delays concentrated in the US and Europe. The bar chart reveals carrier and weather issues as major cancellation reasons at top airports.



Worst On-Time Arrival
UIN

Top Avg Delay Airport PPG

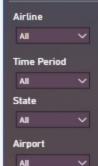


Overview Cancellations

Delays

Airport

Airline & Route



Clear All Filters

Airline and Route Analysis

Longest Route BOS → HNL Longest Flight Time (mins) 1438 Most Delayed Carrier G4

Most Delayed Route SWF → VPS





Summary Insight: Longer routes, like BOS → HNL and DTW → HNL, show the highest delays, as seen in both score cards and delay charts. Delay duration increases steadily with flight distance, especially for delays over 15 minutes. G4 has the highest average delay and notable cancellation rates, confirming it as the most delayed carrier. SWF → VPS is the most delayed route, but visual data shows Hawaii-bound flights consistently dominate delay metrics.

10 Longest Routes by Arrival and Departure Delay

