

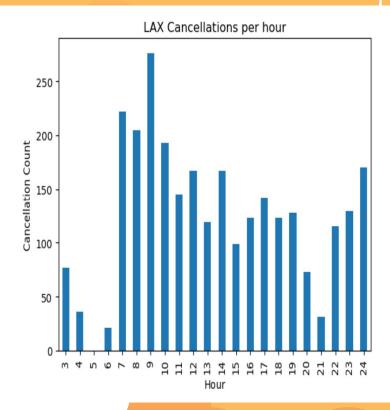
## **Which Airports and Why**

- P JFK
  Northeastern Coast Bad
  Reputation! 50 million
  passengers 2022
- Southeastern Coast 50.5 million passengers 2022
- West Coas

West Coast - Lots of International Flights

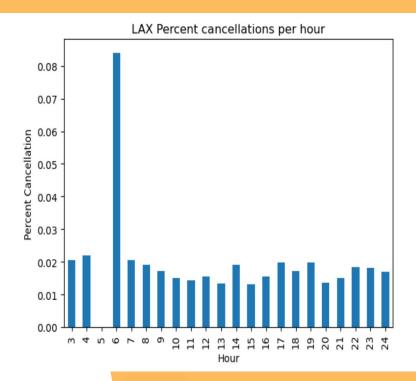
2nd busiest Airport in America! 66 Million Passengers in 2022





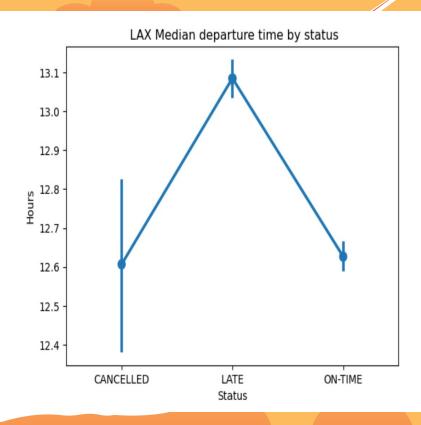
# **Hourly Cancellations**

- Commercial Flights from 3 AM to 12 AM
- Peak Cancellation 9 AM and morning hours
- Low Early Hours Cancellation fewer flights
- Pure numbers hard to interpret without percentage context
- Uptick around 10pm end of day
- Middle Variability



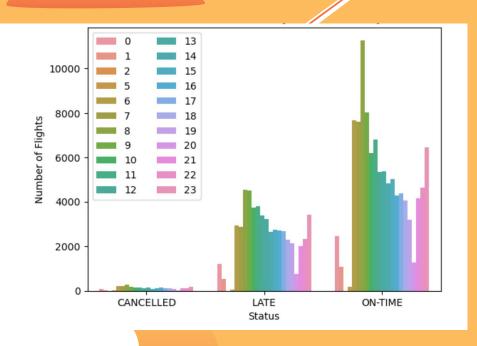
# **Percent Cancellations**

- Provides more context
- Don't Schedule a 6 AM Flight!
- Pretty Constant except 6 AM and 5 AM
- Few 5 AM Flights/None Cancelled



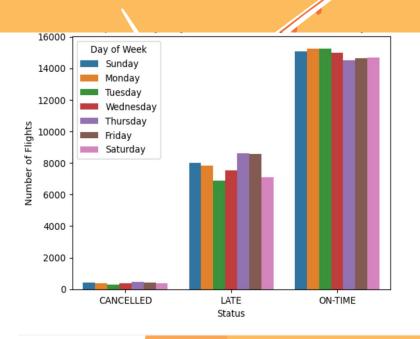
# **Departure Time by Status**

- Canceled Median 12.6
- Late Median 13.05 Flights around 1pm
- More likely to Experience delays at 1pm
- On Time Median 12.8 suggesting earlier flights are more likely to leave on time



# LAX - Hourly Delay/Cancellatio n Analysis

- Low Cancellations: Cancellations are consistently low across all hours, indicating efficient scheduling or favorable conditions.
- Midday Delay Peak: Delays peak at 1 PM, suggesting congestion or operational challenges during midday.
- High On-Time Mornings and Evenings: On-time flights are most frequent in early mornings and evenings, reflecting robust airport operations during these times.
- Operational Focus: Insights suggest a need to focus on reducing midday delays for improved efficiency.
- Late and On-Time Mimic each other suggesting percentage analysis may be more useful



## LAX - Daily Delay/Cancellation Analysis

- Weekly Flight Patterns: Analysis of LAX flights shows status distribution by day—Cancelled, Late, On-Time.
- **Stable Cancellations:** Flight cancellations remain low across all days, indicating consistent operational control.
- Late Flights Variation: Late flights show moderate variation, with mid-week days experiencing slightly higher numbers.
- Consistent On-Time Performance: On-time flights maintain high and consistent numbers throughout the week.
- Strategic Takeaway: Data suggests reliable performance with room for targeted improvements in mid-week delay management.



## **Appendix**



#### **LAX**

66 Million Passengers in 2022

#### **MIA**

50.5 Million Passengers 2022

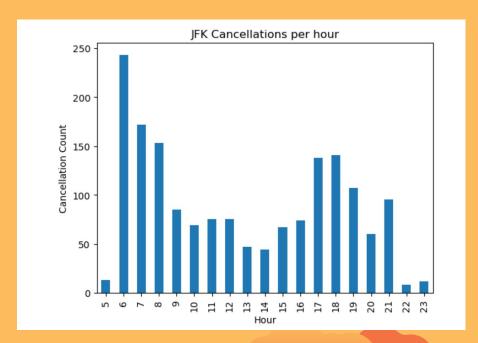




### **JFK**

55 Million Passengers 2022

#### MIA Cancellations per hour Cancellation Count Hour 15





#### MIA Percent cancellations per hour 0.10 0.08 0.02 9 8 4 9 14 15 16 18 19 13 17 Hour

