

Airline Operational Excellence : Network and Controllability Analytics

year

airport

carrier

Total Arrivals

144M

Delay Incidence Rate

19.23%

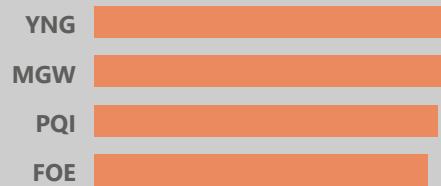
Average Delay Severity

60 min

System Controllability Ratio

94.47%

Top 5 Airport by Congestion Risk Index

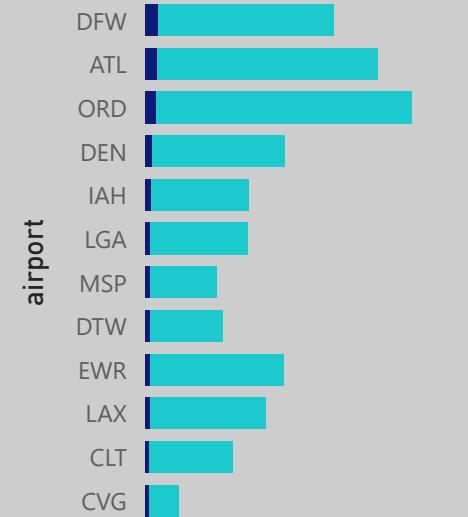


Controllable Vs Uncontrollable



Controllability and Uncontrollability Delay

● Uncontrollable Dela... ● Controllable D...

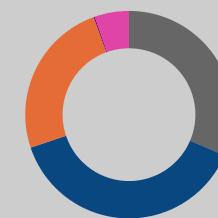


Congestion Risk Profiling



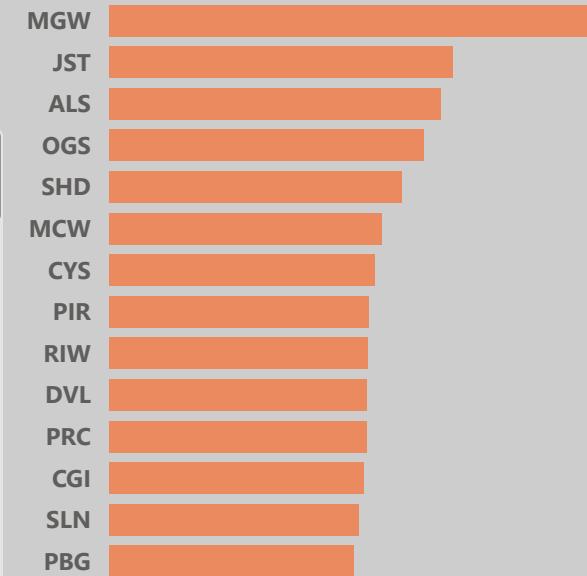
airport	Congestion Risk Index	Average Delay Severity	Risk Deviat
YNG	59.50	60	
MGW	44.11	192	
PQI	26.53	93	
FOE	25.80	71	
SOP	25.39	61	
PVU	23.92	88	
JST	23.58	135	
BIH	22.30	86	

Delay Minutes by Cause



- Carrier Delay
- Late Aircraft
- NAS Delay
- Security Delay
- Weather Del...

Top Average Delay Severity by airport



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year
▼

airport
▼

carrier
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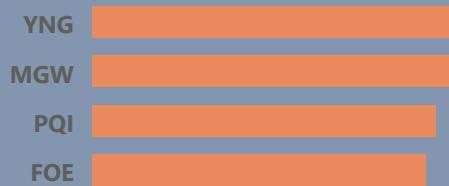
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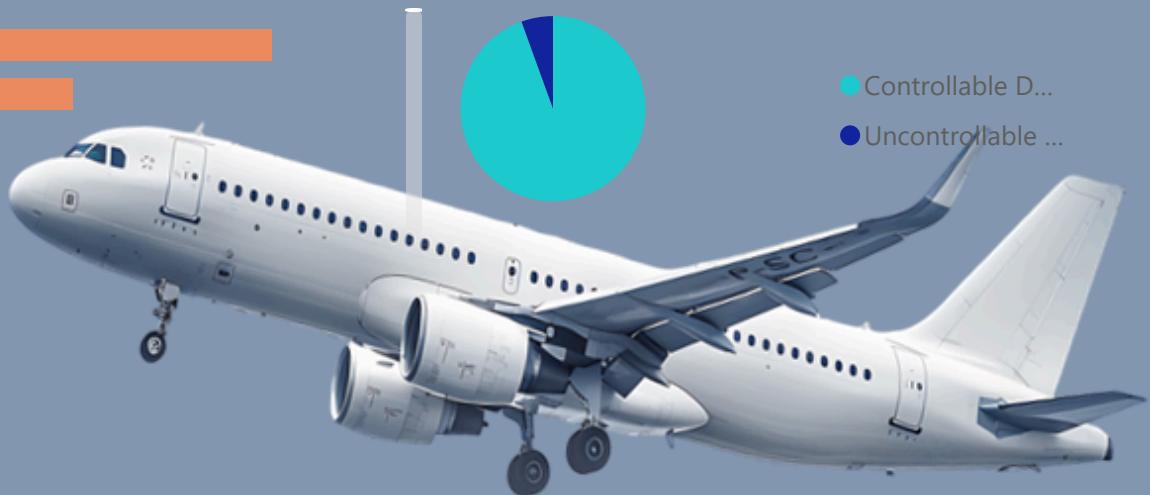
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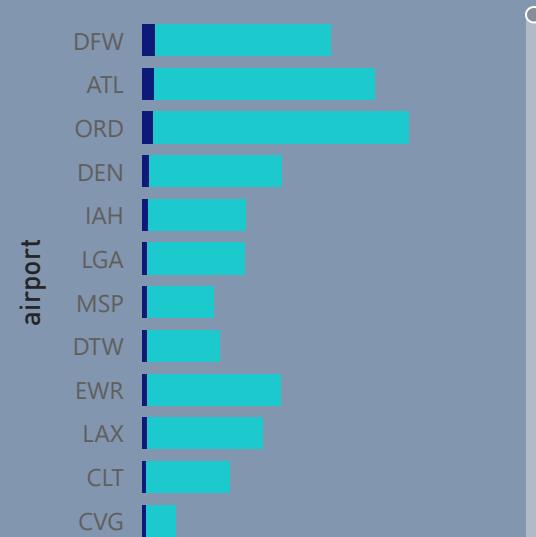


Controllable Vs Uncontrollable



Controllability and Uncontrollability Delay

● Uncontrollable Delays ● Controllable Delays

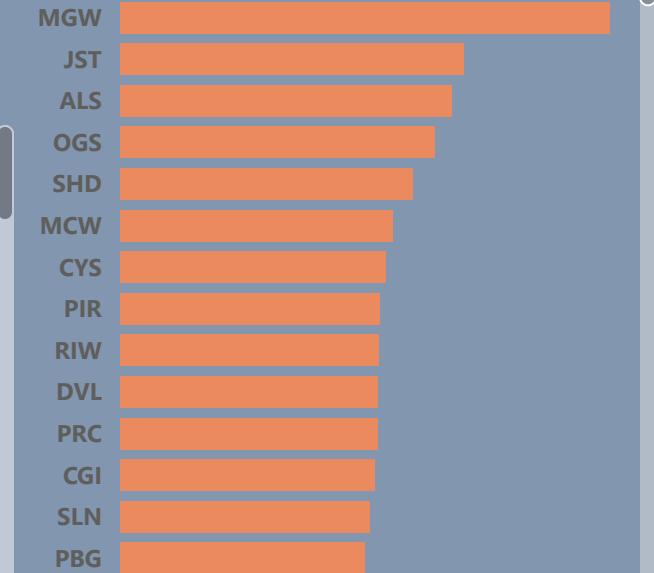


Congestion Risk Profiling



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Top Average Delay Severity by airport



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year
2023

airport
JST

carrier
AA

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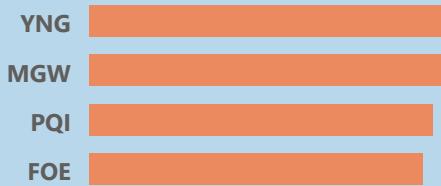
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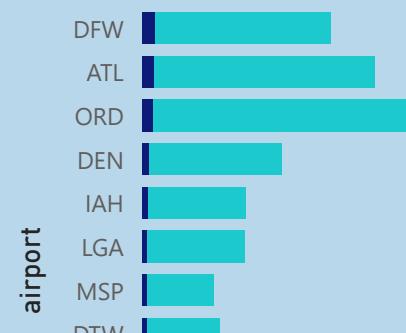


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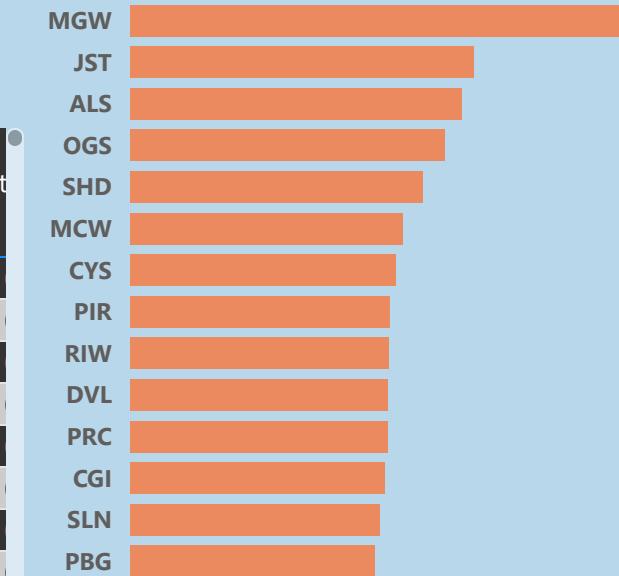


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