

Airline Operational Excellence : Network and Controllability Analytics

year

airport

carrier

Total Arrivals

144M

Delay Incidence Rate

19.23%

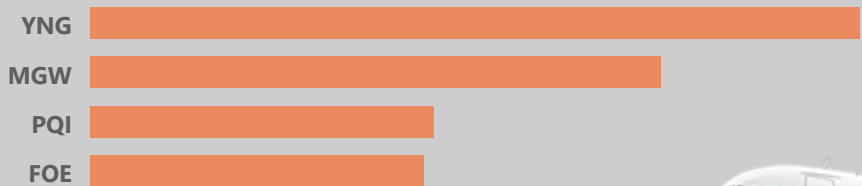
Average Delay Severity

60 min

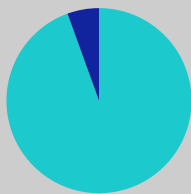
System Controllability Ratio

94.47%

Top 5 Airport by Congestion Risk Index



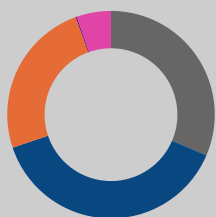
Controllable Vs Uncontrollable



Controllable D...

Uncontrollable ...

Delay Minutes by Cause



Carrier Delay

Late Aircraft

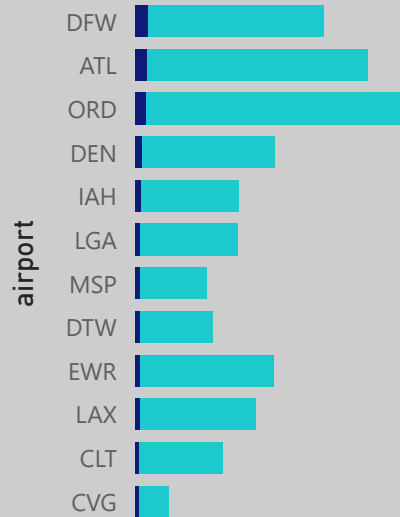
NAS Delay

Security Delay

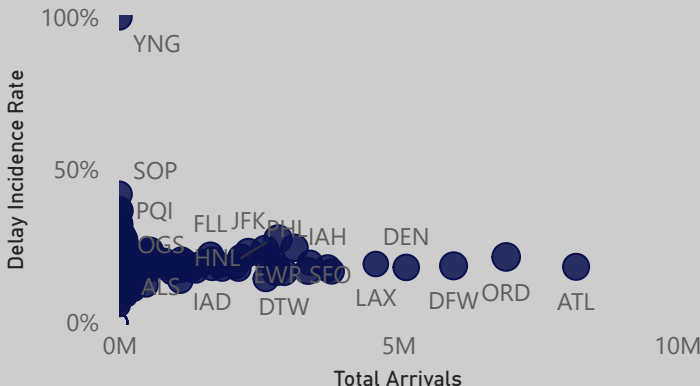
Weather Del...

Controllability and Uncontrollability Delay

Uncontrollable Dela... Controllable D...

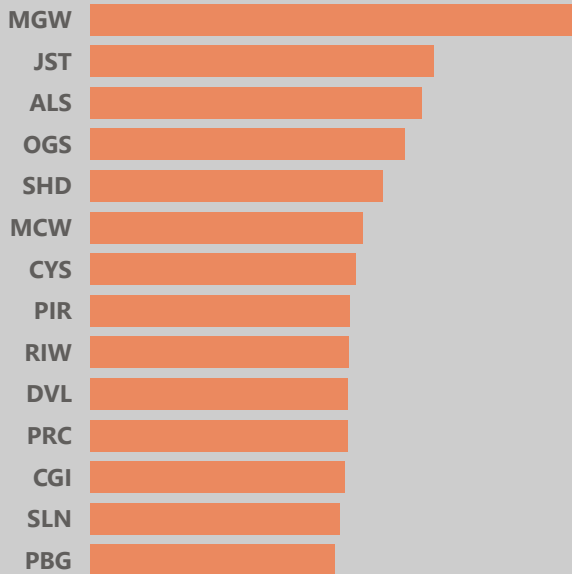


Congestion Risk Profiling



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	

Top Average Delay Severity by airport



Airline Operational Excellence : Network and Controllability Analytics

year

airport

carrier

Total Arrivals

144M

Delay Incidence Rate

19.23%

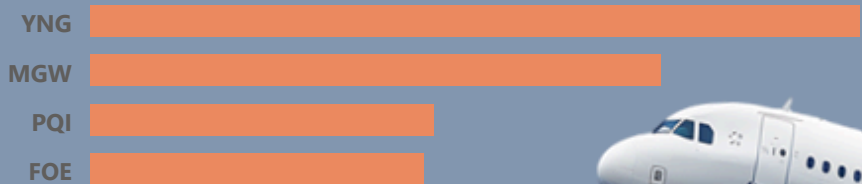
Average Delay Severity

60 min

System Controllability Ratio

94.47%

Top 5 Airport by Congestion Risk Index



Controllable Vs Uncontrollable

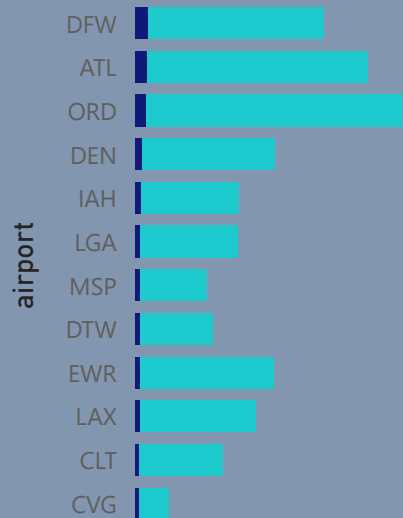


Delay Minutes by Cause

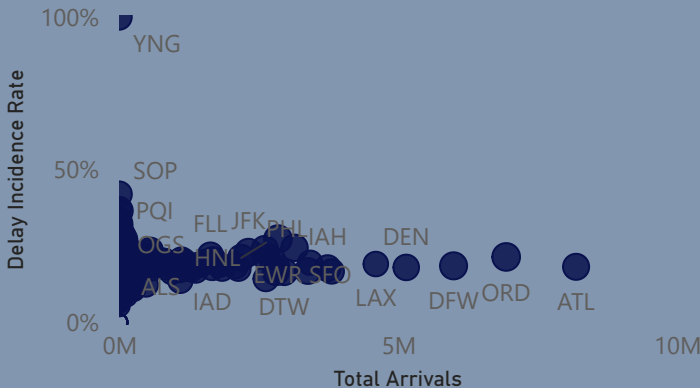


Controllability and Uncontrollability Delay

Uncontrollable Delay Controllable Delay

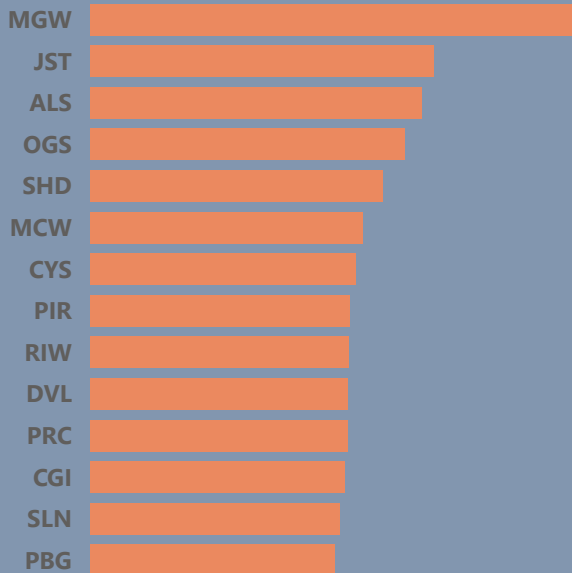


Congestion Risk Profiling



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	

Top Average Delay Severity by airport



Airline Operational Excellence : Network and Controllability Analytics

year

airport

carrier

Total Arrivals

144M

Delay Incidence Rate

19.23%

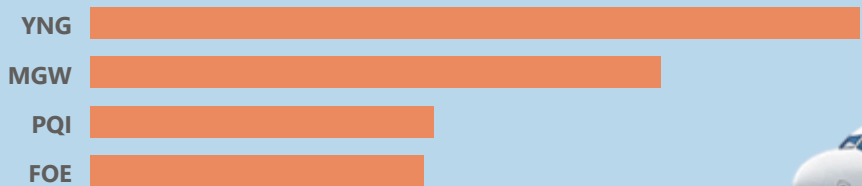
Average Delay Severity

60 min

System Controllability Ratio

94.47%

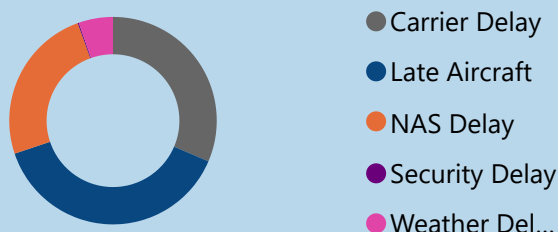
Top 5 Airport by Congestion Risk Index



Controllable Vs Uncontrollable

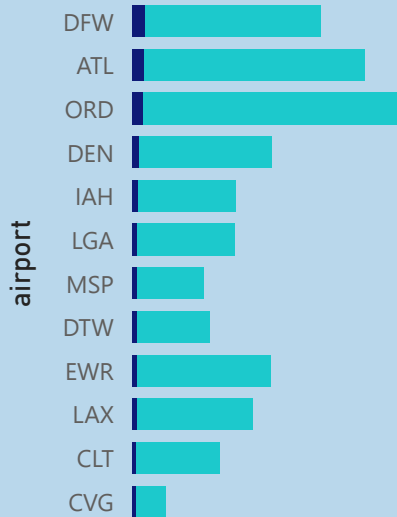


Delay Minutes by Cause

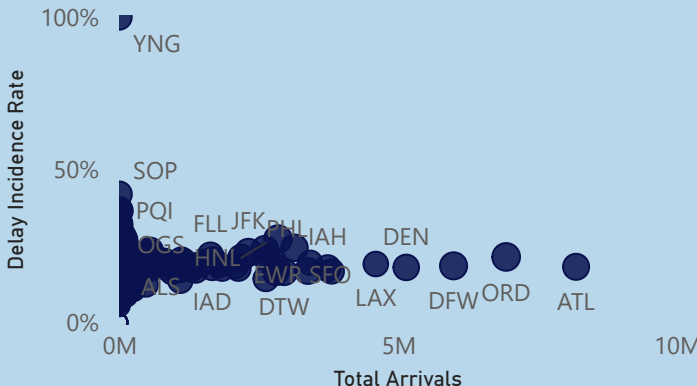


Controllability and Uncontrollability Delay

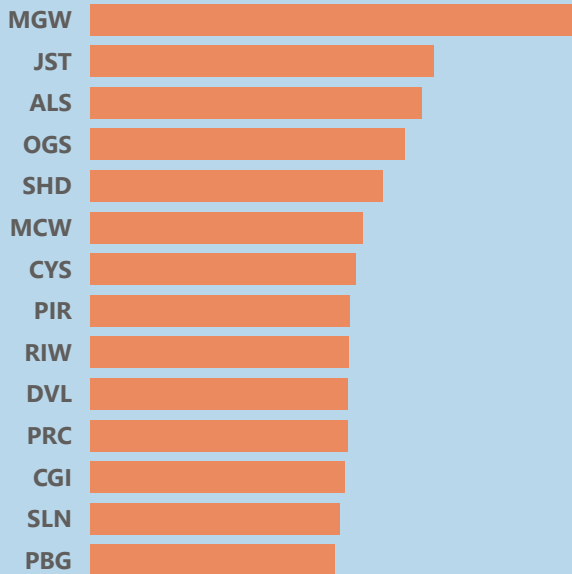
Uncontrollable Delay Controllable Delay



Congestion Risk Profiling



Top Average Delay Severity by airport



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	