

A large commercial airplane is shown from a low angle, flying directly towards the viewer over a runway. The sun is setting or rising in the distance, creating a bright, golden glow that illuminates the runway and the sky. The sky is filled with soft, wispy clouds. The overall mood is dramatic and hopeful.

Airline Delay Analysis

Capstone Project

Summary

Delay Analysis



Airline Delay Analysis

Summary

198K

DELAYED FLIGHTS

449.64K

TOTAL FLIGHTS

539.38K

TOTAL IDs

18

AIRLINES

4189

Count of Ride

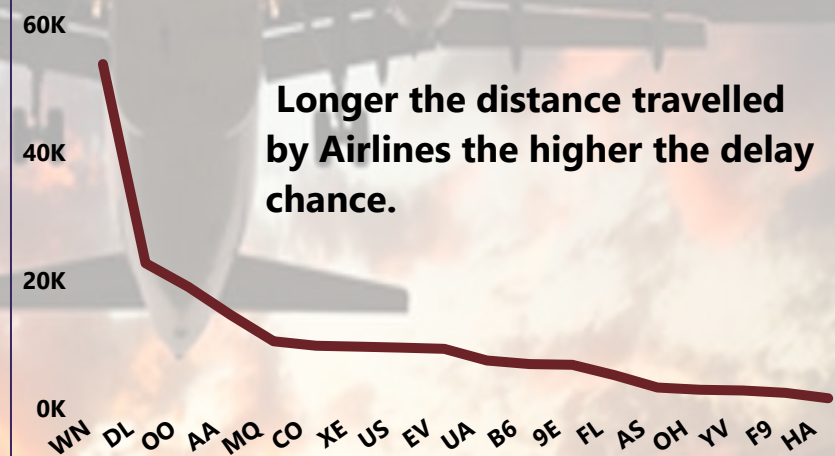
293

TOTAL AIRPORTS

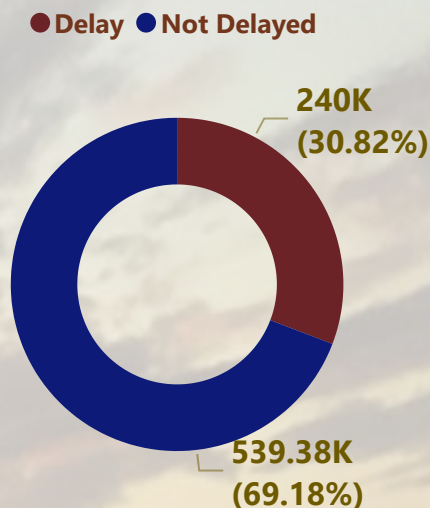
Time Delayed by Airline



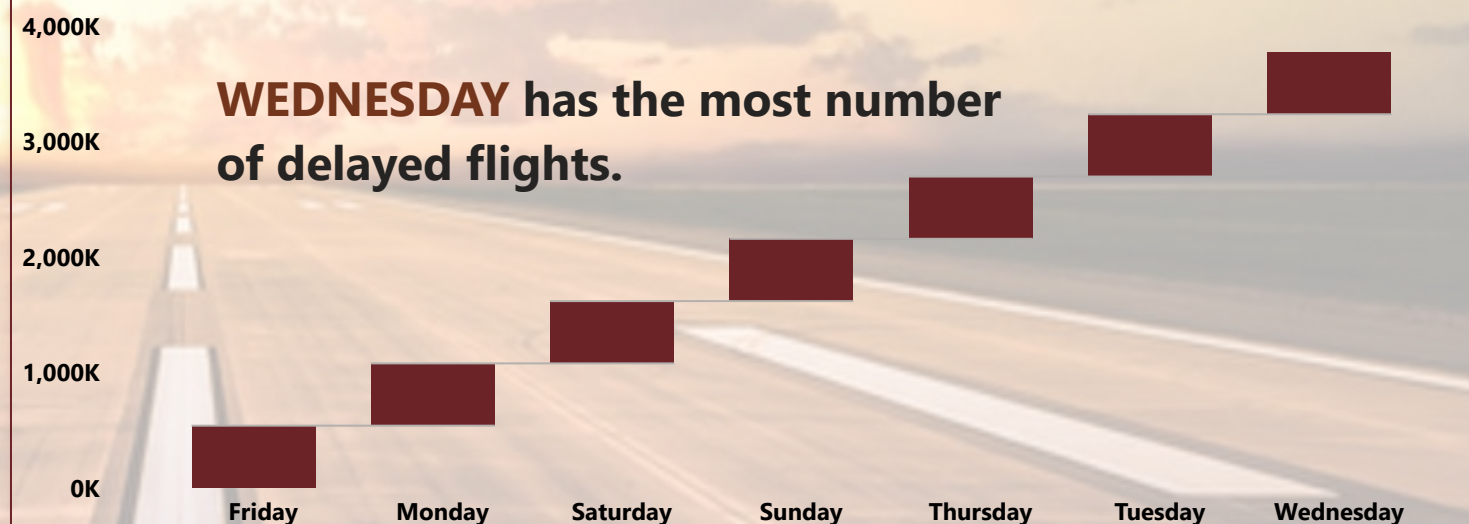
Length Delayed by Airline



Flight Analysis



Delayed Flights by Days



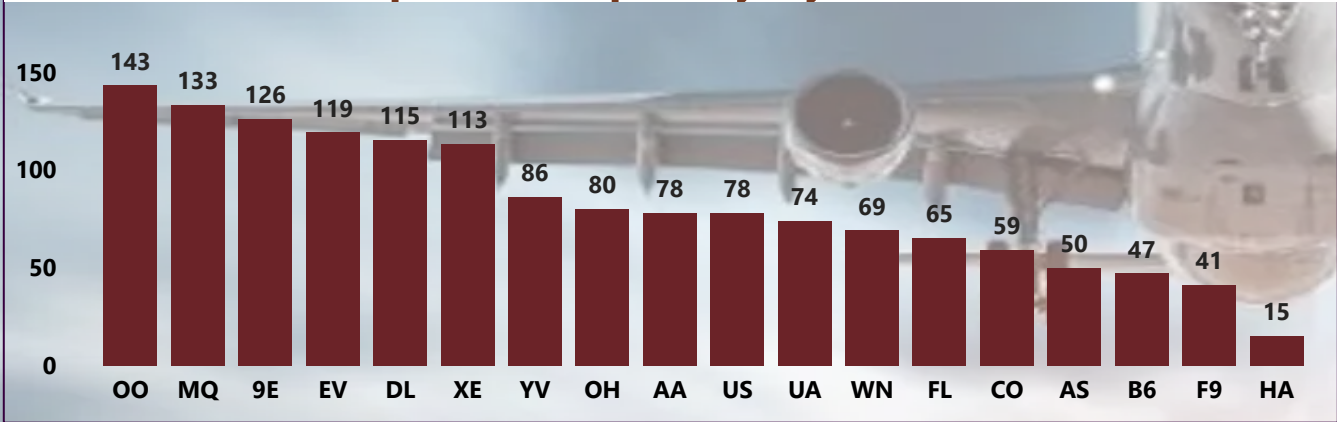


Airline Delay Analysis

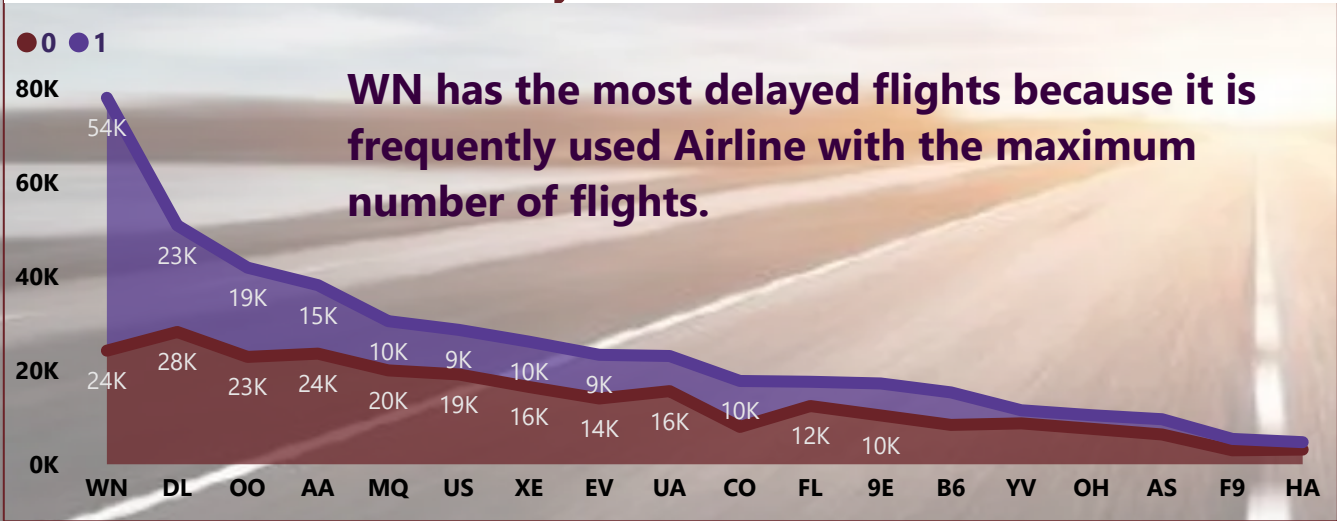
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Delay Analysis

Airports frequency by Airlines



Analysis of Airlines



Airline	Flight	Delay	Length	Time
HA	1082474	1571	440197	3748756
F9	2612273	2419	816327	4355665
AS	3681968	3248	1648732	7634475
OH	67732115	2898	1141871	8276073
YV	42424595	2785	1020067	9548949
B6	9148132	6916	2627628	12631928
9E	68814925	6804	1662726	13610240
CO	15083689	9778	3433121	13977381
FL	11426215	5165	2318419	14635903
UA	10758351	7476	4381496	18369168
EV	129838392	9297	2130501	18610479
XE	79956211	9639	2846702	20587969
Total		1091332587	198010	59553342
			360598907	

Above Table shows the Airlines with there total frequency of flights, Time and length of delayed flights with the number of flights which are delayed.



Airline Delay Analysis

Capstone Project

-AYESHA ZAINAB-

198K

DELAYED FLIGHTS

449.64K

TOTAL FLIGHTS

4189

COUNT OF RIDES

18

AIRLINES

539.38K

TOTAL IDs

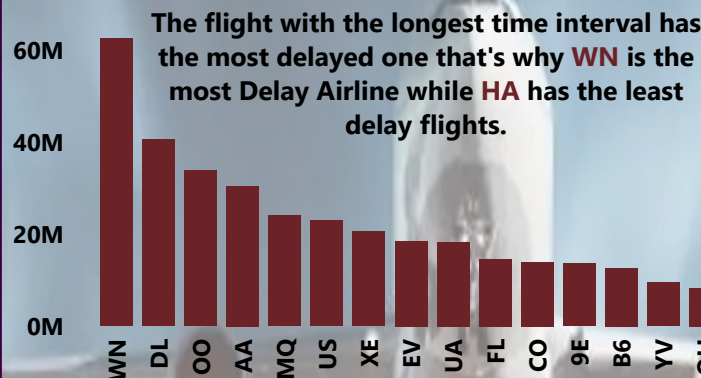
293

TOTAL AIRPORTS

60M

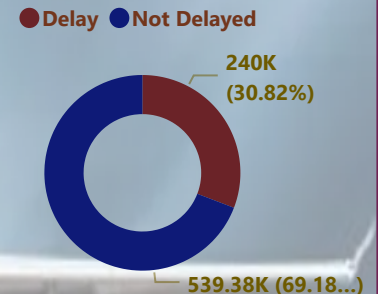
LENGTH

Time Delayed by Airline

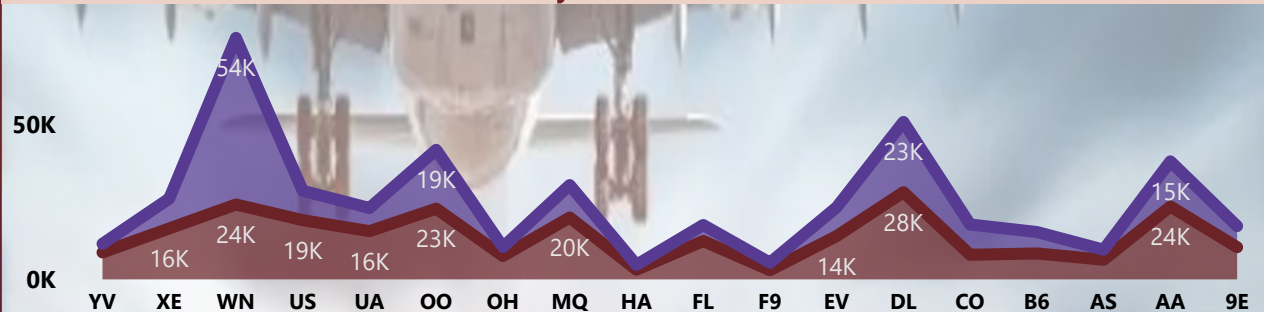


Delayed flight has low percentage to the flights on time.

Flight Analysis

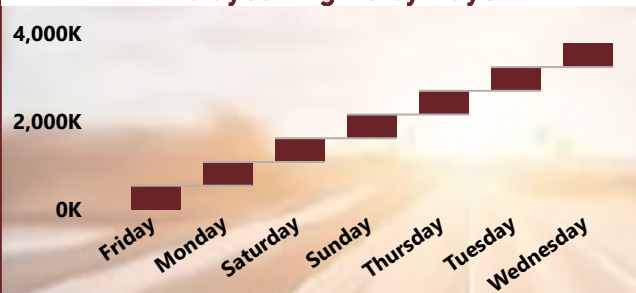


Analysis of Airlines



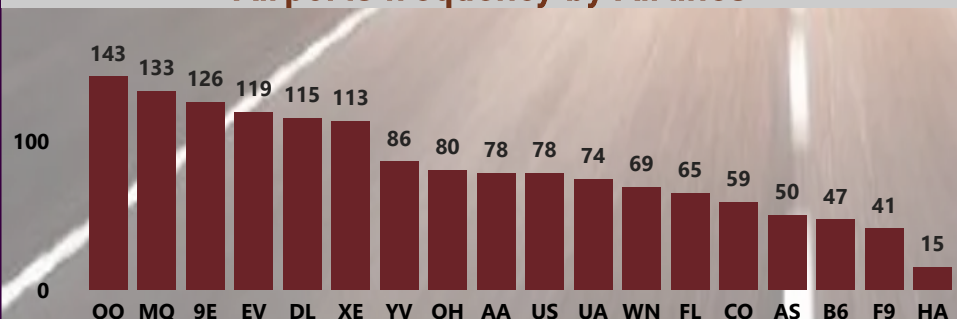
WEDNESDAY has the most number of delayed flights. Its better for the passengers to book weekend flights due to its low delay rate.

Delayed Flights by Days



OO has the highest number of flights but it travels less distance as compared to **WN**. Longer the distance travelled by Airlines the higher the delay chance.

Airports frequency by Airlines



Airline	Flight	Delay	Length	Time
OO	255191844	18990	3915627	33877936
EV	129838392	9297	2130501	18610479
MQ	111531503	10478	3161364	24075215
WN	110914121	53805	9181750	62560660
DL	92950809	22683	8026615	40622288
XE	79956211	9639	2846702	20587969
9E	68814925	6804	1662726	13610240
OH	67732115	2898	1141871	8276073
AA	47694144	14574	6574089	30488843
YV	42424595	2785	1020067	9548949
US	30490826	9484	4226110	22986979
CO	15083689	9778	3433121	13977381
FL	11426215	5165	2318419	14635903
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