

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 on the horizon and casting long shadows on the runway. The sky is filled with soft, wispy clouds. The overall mood is dramatic and atmospheric.

# ***Airline Delay Analysis***

Capstone Project

1st January 1900 - 6th January 1900

Summary

Delay Analysis



# Airline Delay Analysis

1st January 1900 - 6th January 1900

## Summary

198K

DELAYED FLIGHTS

449.64K

TOTAL FLIGHTS

539.38K

TOTAL IDs

18

AIRLINES

4189

Count of Ride

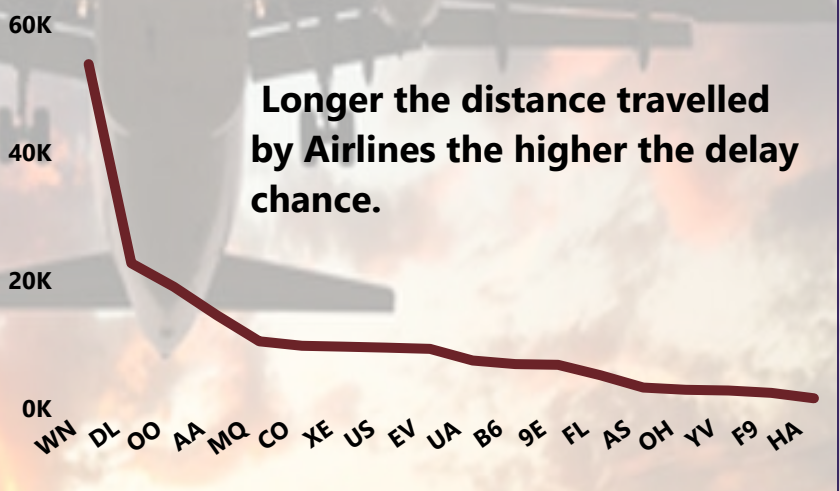
293

TOTAL AIRPORTS

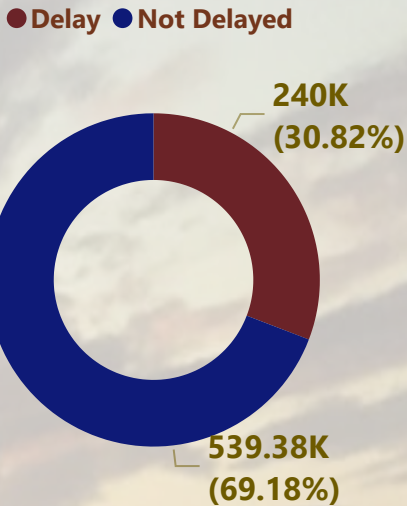
### Time Delayed by Airline



### Length Delayed by Airline



### Flight Analysis



### Delayed Flights by Days





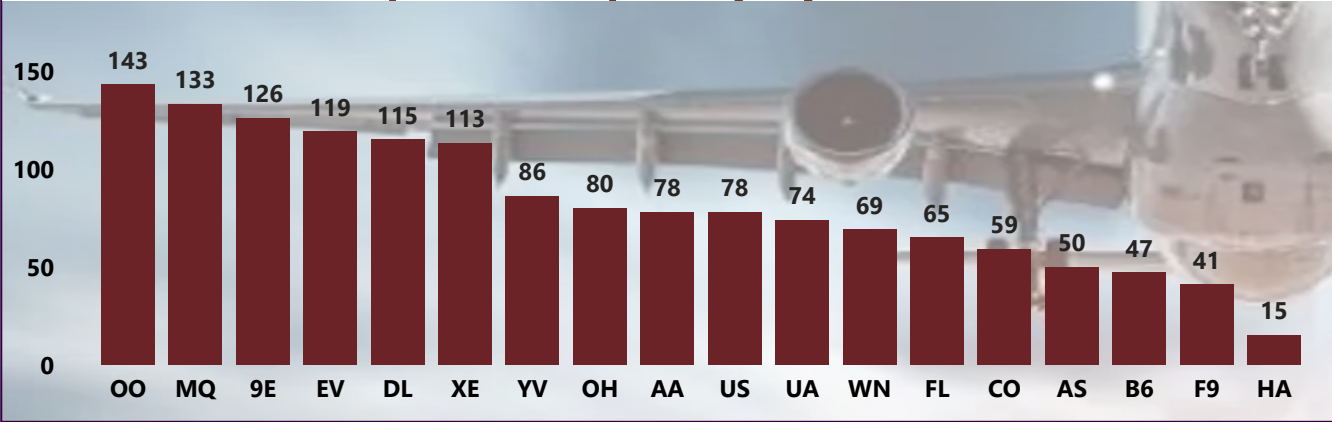


# Airline Delay Analysis

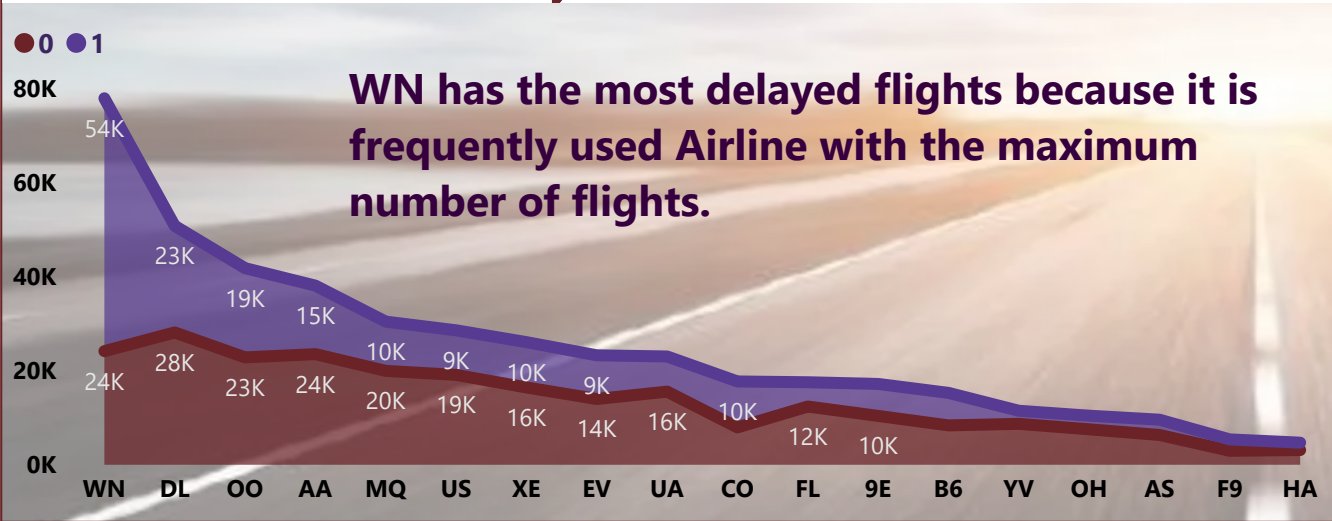
1st January 1900 - 6th January 1900

## 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.



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1st January 1900 - 6th January 1900

-AYESHA ZAINAB-

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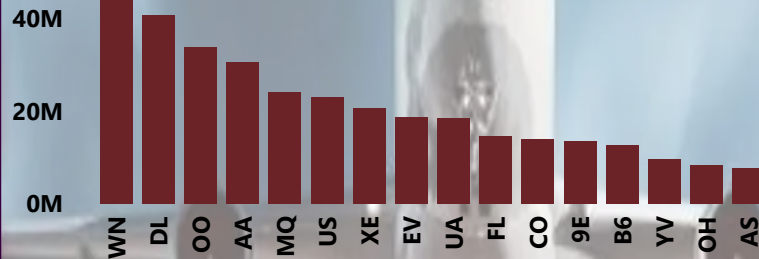
TOTAL AIRPORTS

60M

LENGTH

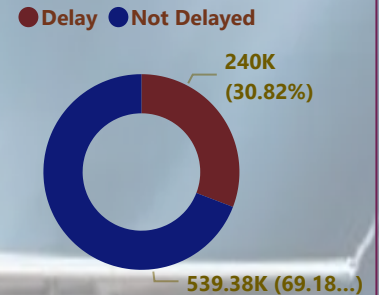
## Time Delayed by Airline

The flight with the longest time interval has the most delayed one that's why **WN** is the most Delay Airline while **HA** has the least delay flights.

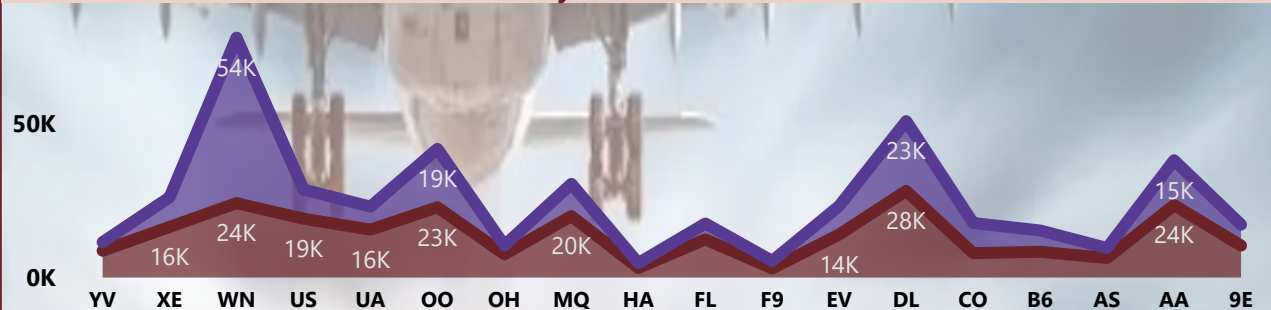


Delayed flight has low percentage to the flights on time.

## Flight Analysis

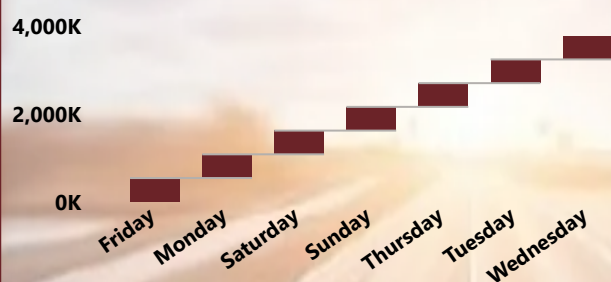


## Analysis of Airlines



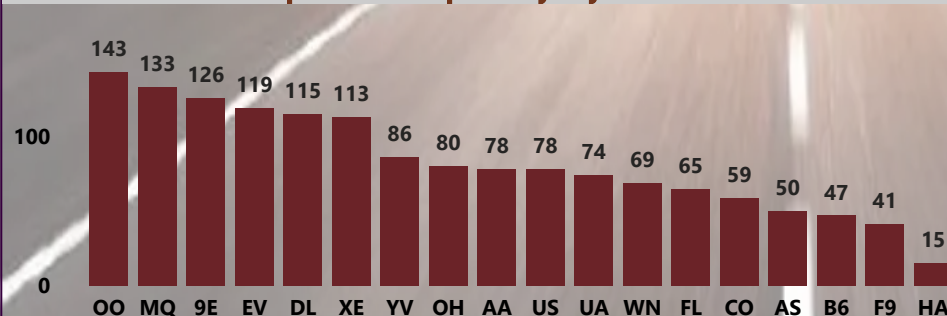
**WEDNESDAY** has the most number of delayed flights. Its better for the passengers to book weekend flights due to its low delay rate.

## 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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