



Guided Project

Project Workspace

Chat with Mentor



Developing A Flight  
Delay Prediction Model  
Using Machine Learning

Project Objectives

Project Flow

Prerequisites

Prior Knowledge

Project Structure

Data Collection

Download /Create  
Dataset

Dataset

Data Pre-Processing &  
Model Building

Application Building

Train The Model On IBM



<https://drive.google.com/file/d/1HNYx6fX5hvRDX43egcAAUsrQ9scv4AR/view?usp=sharing>

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
YEAR	QUARTER	MONTH	DAY_OF_MONTH	DAY_OF_WEEK	UNIQUE_CARRIER	TAIL_NUM	FL_NUM	ORIGIN_AIRPORT_ID	ORIGIN	DEST_AIRPORT_ID	DEST	CRS_DEP_TIME	DEP_TIME	DEP_DELAY
2016	1	1	1	5	DL	N836DN	1399	10397	ATL	14747	SEA	1905	1907	
2016	1	1	1	5	DL	N964DN	1476	11433	DTW	13487	MSP	1345	1344	
2016	1	1	1	5	DL	N813DN	1597	10397	ATL	14747	SEA	940	942	
2016	1	1	1	5	DL	N567NW	1768	14747	SEA	13487	MSP	819	820	
2016	1	1	1	5	DL	N836DN	1823	14747	SEA	11433	DTW	2300	2256	
2016	1	1	1	5	DL	N936DL	1975	13487	MSP	10397	ATL	1129	1127	
2016	1	1	1	6	DL	N983DL	2074	10397	ATL	13487	MSP	1745	1745	
2016	1	1	1	6	DL	N589NW	2151	13487	MSP	14747	SEA	1740	1751	
2016	1	1	1	6	DL	N804DN	2221	13487	MSP	14747	SEA	1115	1115	
2016	1	1	1	6	DL	N965DN	2291	13487	MSP	10397	ATL	1430	1443	
2016	1	1	1	6	DL	N703TW	2350	10397	ATL	12478	JFK	825	828	
2016	1	1	1	6	DL	N538US	2444	10397	ATL	14747	SEA	1345	1355	
2016	1	1	1	6	DL	N899DL	2610	10397	ATL	13487	MSP	725	721	
2016	1	1	1	6	DL	N562NW	2826	11433	DTW	14747	SEA	835	841	
2016	1	1	1	6	DL	N920DE	2845	11433	DTW	10397	ATL	1624	1622	
2016	1	1	1	7	DL	N960AT	86	13487	MSP	11433	DTW	1345	1337	
2016	1	1	1	7	DL	N3732J	423	12478	JFK	10397	ATL	1300	1258	
2016	1	1	1	6	DL	N562NW	1823	11433	DTW	14747	SEA	1728	1724	
2016	1	1	1	6	DL	N833DN	1972	14747	SEA	12478	JFK	715	715	
2016	1	1	1	6	DL	N988DL	2005	10397	ATL	11433	DTW	725	723	
2016	1	1	1	6	DL	N824NW	2039	10397	ATL	14747	SEA	824	847	
2016	1	1	1	7	DL	N930DL	902	10397	ATL	11433	DTW	1456	1454	
2016	1	1	1	7	DL	N591NW	997	13487	MSP	11433	DTW	833	832	
2016	1	1	1	7	DL	N837DN	1108	13487	MSP	10397	ATL	1508	1510	
2016	1	1	1	7	DL	N681DA	1231	10397	ATL	11433	DTW	1340	1339	
2016	1	1	1	7	DL	N536US	1291	14747	SEA	10397	ATL	745	750	
2016	1	1	1	7	DL	N568NW	1397	13487	MSP	14747	SEA	1440	1439	
2016	1	1	1	7	DL	N369NB	1444	11433	DTW	10397	ATL	2020	2021	
2016	1	1	1	7	DL	N815DN	1491	13487	MSP	10397	ATL	610	608	
2016	1	1	1	7	DL	N138DL	573	14747	SEA	10397	ATL	2355	4	
2016	1	1	1	7	DL	N538US	846	10397	ATL	14747	SEA	1620	1621	