

# Developing a Flight Delay Prediction Model using Machine Learning

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**DOWNLOAD DATASET :**

The screenshot shows the IBM Project Workspace interface. The left sidebar contains a 'PROJECT DETAILS' menu with options: Project Objectives, Project Flow, Prerequisites, Prior Knowledge, Project Structure, Data Collection (selected), Download / Create Dataset, Dataset, Data Pre-Processing, and Flight Data Set. The main area is divided into 'TASK & PROGRESS' and 'MENTOR REVIEW'. The 'TASK & PROGRESS' section shows a Google Drive link: <https://drive.google.com/file/d/1HNy6fXShvRDx43egcAAUstQ9scv4AR/view?usp=sharing>. The bottom of the interface shows a file explorer with 'flightdata.csv' selected.

The screenshot shows the Google Drive interface with the 'flightdata.csv' file open. The file is a CSV dataset containing flight data for the year 2016. The table has 13 columns: YEAR, QUARTER, MONTH, DAY\_OF\_MONTH, DAY\_OF\_WEEK, UNIQUE\_CARRIER, TAIL\_NUM, FL\_NUM, ORIGIN\_AIRPORT\_ID, ORIGIN, DEST\_AIRPORT\_ID, DEST, and CRS\_DEP\_TIME. The data is organized by quarter and month, with rows representing individual flights.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	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
2	2016	1	1	1	1	5 DL	N836DN	1399	10397	ATL	14747	SEA	1905
3	2016	1	1	1	1	5 DL	N836DN	1476	11433	DTW	13487	MSP	1345
4	2016	1	1	1	1	5 DL	N813DN	1597	10397	ATL	14747	SEA	840
5	2016	1	1	1	1	5 DL	N567NW	1768	14747	SEA	13487	MSP	819
6	2016	1	1	1	1	5 DL	N836DN	1823	14747	SEA	11433	DTW	2305
7	2016	1	1	1	1	5 DL	N836DN	1975	13487	MSP	10397	ATL	1129
8	2016	1	1	1	2	6 DL	N836DN	2074	10397	ATL	13487	MSP	1745
9	2016	1	1	1	2	6 DL	N589NW	2151	13487	MSP	14747	SEA	1745
10	2016	1	1	1	2	6 DL	N804DN	2221	13487	MSP	14747	SEA	1115
11	2016	1	1	1	2	6 DL	N804DN	2291	13487	MSP	10397	ATL	1430
12	2016	1	1	1	2	6 DL	N703TW	2350	10397	ATL	12478	JFK	829
13	2016	1	1	1	2	6 DL	N538US	2444	10397	ATL	14747	SEA	1345
14	2016	1	1	1	2	6 DL	N899DL	2610	10397	ATL	13487	MSP	729
15	2016	1	1	1	2	6 DL	N582NW	2826	11433	DTW	14747	SEA	835
16	2016	1	1	1	2	6 DL	N820DE	2845	11433	DTW	10397	ATL	1624
17	2016	1	1	1	3	7 DL	N860AT	86	13487	MSP	11433	DTW	1345
18	2016	1	1	1	3	7 DL	N3732J	423	12478	JFK	10397	ATL	1305
19	2016	1	1	1	2	6 DL	N892NW	1823	11433	DTW	14747	SEA	1728
20	2016	1	1	1	2	6 DL	N833DN	1972	14747	SEA	12478	JFK	715
21	2016	1	1	1	2	6 DL	N888DL	2005	10397	ATL	11433	DTW	725
22	2016	1	1	1	2	6 DL	N824NW	2039	10397	ATL	14747	SEA	824
23	2016	1	1	1	3	7 DL	N830DL	902	10397	ATL	11433	DTW	1456
24	2016	1	1	1	3	7 DL	N831NW	997	13487	MSP	11433	DTW	835
25	2016	1	1	1	3	7 DL	N810A	1108	13487	MSP	10397	ATL	1508
26	2016	1	1	1	3	7 DL	N810A	1231	10397	ATL	11433	DTW	1342