

## Flights dataset metadata

No	Column Name	Description	Data type
1	YEAR	Year of the Flight Trip	Int
2	MONTH	Month of the Flight Trip, Example 1 means month of January, 2 means February and so on	Int
3	DAY	Day of the Flight Trip, Example 1 means date 1, 2 means date 2 and so on	Int
4	DAY_OF_WEEK	Day of week of the Flight Trip, e.g. 1 represents Monday, 2 represents Tuesday and so on	Int
5	AIRLINE	Airline Identifier	String
6	FLIGHT_NUMBER	Flight Identifier	Int
7	TAIL_NUMBER	Aircraft Identifier	String
8	ORIGIN_AIRPORT	Starting Airport	String
9	DESTINATION_AIRPORT	Destination Airport	String
10	SCHEDULED_DEPARTURE	Planned Departure Time	Int
11	DEPARTURE_TIME	WHEEL_OFF - TAXI_OUT	Int
12	DEPARTURE_DELAY	Total Delay on Departure	Int
13	TAXI_OUT	The time duration elapsed between departure from the origin airport gate and wheels off	Int
14	WHEELS_OFF	The time point that the aircraft's wheels leave the ground	Int
15	SCHEDULED_TIME	Planned time amount needed for the flight trip	Int
16	ELAPSED_TIME	AIR_TIME+TAXI_IN+TAXI_OUT	Int
17	AIR_TIME	The time duration between wheels off and wheels on time	Int
18	DISTANCE	Distance between two airports	Int
19	WHEELS_ON	The time point that the aircraft's wheels touch on the ground	Int
20	TAXI_IN	The time duration elapsed between wheels-on and gate arrival at the destination airport	Int
21	SCHEDULED_ARRIVAL	Planned arrival time	Int
22	ARRIVAL_TIME	WHEELS_ON+TAXI_IN	Int
23	ARRIVAL_DELAY	ARRIVAL_TIME-SCHEDULED_ARRIVAL	Int
24	DIVERTED	Aircraft landed on airport that out of schedule	Int

25	CANCELLED	Flight Cancelled (1 = cancelled)	Int
26	CANCELLATION_REASON	Reason for Cancellation of flight: A - Airline/Carrier; B - Weather; C - National Air System; D - Security	String
27	AIR_SYSTEM_DELAY	Delay caused by air system	Int
28	SECURITY_DELAY	Delay caused by security	Int
29	AIRLINE_DELAY	Delay caused by the airline	Int
30	LATE_AIRCRAFT_DELAY	Delay caused by aircraft	Int
31	WEATHER_DELAY	Delay caused by weather	Int

#### Airports dataset metadata

No	Column Name	Description	Data type
1	IATA_CODE	Location Identifier. This location identifier is used as a code in <b>ORIGIN_AIRPORT</b> and <b>DESTINATION_AIRPORT</b> in Flights Data	String
2	AIRPORT	Airports Name	String
3	CITY	The City where the airport is located	String
4	STATE	The State where the airport is located	String
5	COUNTRY	The Country where the airport is located	String
6	A LATITUDA	Latitude of the Airport	Float
7	A LONGITUDE	Longitude of the Airport	Float