US_airlines.csv

IATA_CODE
Airline Identifier

AIRLINE
Airport's Name

US_airports.csv

IATA_CODE
Location Identifier

AIRPORT
Airport's Name

CITY
Atlanta

STATE
Georgia

COUNTRY
Country Name of the Airport

LATITUDE
Latitude of the Airport

LONGITUDE
Longitude of the Airport

US_airrecords.csv

YEAR
Year of the Flight Trip

MONTH
Month of the Flight Trip

DAY
Day of the Flight Trip

DAY_OF_WEEK
Day of week of the Flight Trip

AIRLINE

Airline Identifier

FLIGHT_NUMBER
Flight Identifier

TAIL_NUMBER
Aircraft Identifier

ORIGIN_AIRPORT
Starting Airport

DESTINATION_AIRPORT
Destination Airport

SCHEDULED_DEPARTURE
Planned Departure Time

DEPARTURE_TIME
WHEEL_OFF - TAXI_OUT

DEPARTURE_DELAY
Total Delay on Departure

TAXI_OUT
The time duration elapsed between departure from the origin airport gate and wheels off

WHEELS_OFF
The time point that the aircraft's wheels leave the ground

SCHEDULED_TIME
Planned time amount needed for the flight trip

ELAPSED_TIME
AIR_TIME+TAXI_IN+TAXI_OUT

AIR_TIME
The time duration between wheels_off and wheels_on time

DISTANCE
Distance between two airports

WHEELS_ON
The time point that the aircraft's wheels touch on the ground

TAXI_IN
The time duration elapsed between wheels-on and gate arrival at the destination airport

SCHEDULED_ARRIVAL

Planned arrival time

ARRIVAL_TIME
WHEELS_ON+TAXI_IN

ARRIVAL_DELAY
ARRIVAL_TIME-SCHEDULED_ARRIVAL

DIVERTED
Aircraft landed on airport that out of schedule

CANCELLED
Flight Cancelled (1 = cancelled)

CANCELLATION_REASON
Reason for Cancellation of flight: A - Airline/Carrier; B - Weather; C - National Air System; D - Security

AIR_SYSTEM_DELAY
Delay caused by air system

SECURITY_DELAY
Delay caused by security

AIRLINE_DELAY
Delay caused by the airline

LATE_AIRCRAFT_DELAY
Delay caused by aircraft

WEATHER_DELAY
Delay caused by weather