Columns: Definition

year: year the flight departed
month: month the flight departed
day_of_month: day of the month the flight departed
day_of_week: day of the week flight left (Monday = 1, Sunday = 7)
flight_date: full date of departure, M/D/YYYY
airline_code: Airline Code (eg. AA = American Airlines)
common_airline_code: Operating Airline (eg. AE = American Eagle)
origin_airport_id: ID of the airport for departures
origin_city_id: ID of the city for departures
origin: Airport code for departures
city_name: Name of the city for departures
state_abbr: State abbreviation for departures
state_id: ID for state of departure
state_name: Name of state of departure
dest_airport_id: ID of the airport for arrivals
dest_city_id: ID of the city for arrivals
dest: Airport code for arrivals
dest_city_name: City name for arrivals
dest_state_abbr: State abbreviation for arrivals
dest_state_id: ID of state for arrivals
dest_state_name: State name for arrivals
scheduled_departure_time:
departure_time: the actual time of departure
departure_delay: difference in minutes (scheduled_departure_time - departure_time)
dep_del_15: boolean (0 = not more than 15 minutes delayed on departure, 1 = 15 min delay)
dep_del_group: (0: <15 min delay, -1: early departure, 1: >= 15 min delay)
dep_time_block: 2 hour intervals of when the flight departed
taxi_out: minutes elapsed from leaving the gate to wheels up
takeoff_time: wheels off the ground
landing_time: wheels on the ground
taxi_in: minutes elapsed from landing time to arriving at the gate
scheduled_arrival_time:
arrival_time: actual time when arriving at the gate
arr_delay: difference in minutes (scheduled_arrival_time - arrival_time)
arr_del15: boolean (0 = not more than 15 minutes delayed on departure, 1 = 15 min delay)
arr_delay_group: (0: <15 min delay, -1: early departure, 1: >= 15 min delay)
arr_time_block: 2 hour intervals of when the flight arrived
cancelled: 0 = not cancelled, 1 = cancelled
cancellation_code: (A = Carrier, B = Weather, C = National Air System, D = Security)
elapsed_time: minutes elapsed from departure to arrival
air_time: minutes elapsed from takeoff to landing
distance_group: groups increasing from 1 as flight distance increases

carrier_delay: null = no carrier delay, else: # = carrier delay in minutes
weather_delay: null = no weather delay, else: # = weather delay in minutes
nas_delay: null = no national air system delay, else: # = national air system delay in minutes
security_delay = null = no security delay, else: # = security delay in minutes
late_aircraft_delay: null = no late aircraft delay, else: # = late aircraft delay in minutes
dep_time_zone_id: TimeZone for the departure location
dep_code: departure airport code
arr_time_zone_id: TimeZone for the arrival location
arr_code: arrival airport code
origin_takeoff_weather EventID: ID for the weather event
origin_takeoff_weather Type: Type of weather event that corresponds to the EventID
origin_takeoff_weather Severity: Severity of the weather at takeoff
origin_takeoff_weather StartTime: Start time of the weather event
origin_takeoff_weather EndTime: End time of the weather event
origin_takeoff_weather Precipitation(in): Inches of precipitation
dest_takeoff_weather EventID: ID for the weather event at departure time
dest_takeoff_weather Type: Type of weather event that corresponds to the EventID at departure time
dest_takeoff_weather Severity: Severity of the weather at takeoff at departure time
dest_takeoff_weather StartTime: Start time of the weather event at departure time
dest_takeoff_weather EndTime: End time of the weather event at departure time
dest_takeoff_weather Precipitation(in): Inches of precipitation at departure time
dest_takeoff_weather AirportCode: Code of destination airport at departure time
dest_arrival_weather EventID: ID for the weather event at arrival time
dest_arrival_weather Type: Type of weather event that corresponds to the EventID at arrival time
dest_arrival_weather Severity: Severity of the weather at takeoff at arrival time
dest_arrivalf_weather StartTime: Start time of the weather event at arrival time
dest_arrival_weather EndTime: End time of the weather event at arrival time
dest_arrival_weather Precipitation(in): Inches of precipitation at arrival time
dest_arrival_weather AirportCode: Code of destination airport at arrival time