

Raw Tables

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ActiveWeather

About this file

Lookup information for active weather status encoding.

Column	Data Type
STATUS	int64
WEATHER_DESCRIPTION	object

Cancellation

About this file

Lookup information for the cancellation reason.

Column	Data Type
STATUS	int64
CANCELLATION_REASON	object

Carriers

About this file

Lookup information for the marketing unique carrier and operating unique carrier.

Column	Data Type
CODE	object
DESCRIPTION	object

CompleteData

About this file

Compiled dataset of US domestic flight data with added airport, aircraft and present weather data.

Aircraft Range Encoding: Short Range: Range < 2300 NM Medium Range: 2300 NM <= Range <= 4000 NM Long Range: Range > 4000 NM

Cloud Level Encoding: Low Level: Height < 6500 ft Mid Level: 6500 ft <= Height <= 20000 ft High Level: Height > 20000 ft

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Column Name	Data Type
fl_date	object
dep_hour	int64
mkt_unique_carrier	object
mkt_carrier_fl_num	int64
op_unique_carrier	object
op_carrier_fl_num	int64
tail_num	object
origin	object
dest	object
dep_time	datetime64[ns]
crs_dep_time	datetime64[ns]
taxi_out	int64
dep_delay	int64
air_time	int64
distance	float64
cancelled	int64
latitude	float64
longitude	float64
elevation	float64
mesonet_station	object
year_of_manufacture	int64
manufacturer	object
icao_type	object
range	object
width	object
wind_dir	float64
wind_spd	float64
wind_gust	float64
visibility	float64
temperature	float64
dew_point	float64
rel_humidity	float64
altimeter	float64
lowest_cloud_layer	float64
n_cloud_layer	float64
low_level_cloud	float64
mid_level_cloud	float64
high_level_cloud	float64
cloud_cover	float64

active_weather	object
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Stations

About this file

Lookup information for the station/airport.

Column	Dtype
AIRPORT_ID	int64
AIRPORT	object
DISPLAY_AIRPORT_NAME	object
DISPLAY_AIRPORT_CITY_NAME_FULL	object
AIRPORT_STATE_NAME	object
AIRPORT_STATE_CODE	object
LATITUDE	float64
LONGITUDE	float64
ELEVATION	int64
ICAO	object
IATA	object
FAA	object
MESONET_STATION	object