Mid-Term Project - Schema

fuel_consumtion

	Features	Non-Null Count	Null Count	Dtype
0	month	1000	0	int64
1	airline_id	999	1	float64
2	unique_carrier	999	1	object
3	carrier	1000	0	object
4	carrier_name	999	1	object
5	carrier_group_new	1000	0	int64
6	sdomt_gallons	1000	0	int64
7	satl_gallons	1000	0	int64
8	spac_gallons	1000	0	int64
9	slat_gallons	1000	0	int64
10	sint_gallons	1000	0	int64
11	ts_gallons	1000	0	int64
12	tdomt_gallons	1000	0	int64
13	tint_gallons	1000	0	int64
14	total_gallons	1000	0	int64
15	sdomt_cost	1000	0	int64
16	satl_cost	1000	0	int64
17	spac_cost	1000	0	int64
18	slat_cost	1000	0	int64
19	sint_cost	1000	0	int64
20	ts_cost	1000	0	int64
21	tdomt_cost	1000	0	int64
22	tint_cost	1000	0	int64
23	total_cost	1000	0	int64
24	year	1000	0	int64

passengers

	Features	Non-Null Count	Null Count	Dtype
0	departures_scheduled	1000	0	int64
1	departures_performed	1000	0	int64
2	payload	1000	0	int64
3	seats	1000	0	int64
4	passengers	1000	0	int64
5	freight	1000	0	int64
6	mail	1000	0	int64
7	distance	1000	0	int64
8	ramp_to_ramp	1000	0	int64
9	air_time	1000	0	int64
10	unique_carrier	1000	0	object
11	airline_id	1000	0	int64
12	unique_carrier_name	1000	0	object
13	region	1000	0	object
14	carrier	1000	0	object
15	carrier_name	1000	0	object
16	carrier_group	1000	0	int64
17	carrier_group_new	1000	0	int64
18	origin_airport_id	1000	0	int64
19	origin_city_market_id	1000	0	int64
20	origin	1000	0	object
21	origin_city_name	1000	0	object
22	origin_country	1000	0	object
23	origin_country_name	1000	0	object
24	dest_airport_id	1000	0	int64
25	dest_city_market_id	1000	0	int64
26	dest	1000	0	object
27	dest_city_name	1000	0	object
28	dest_country	1000	0	object
29	dest_country_name	1000	0	object
30	aircraft_group	1000	0	int64
31	aircraft_type	1000	0	int64
32	aircraft_config	1000	0	int64
33	year	1000	0	int64
34	month	1000	0	int64
35	distance_group	1000	0	int64
36	class	1000	0	object
37	data_source	1000	0	object

Training Dataset

■ - Features allowed to use
■ - Features not allowed to use

flights

	Features	Non-Null Count	Null Count	Dtype
0	fl_date	1000	0	object
1	mkt_unique_carrier	1000	0	object
2	branded_code_share	1000	0	object
3	mkt_carrier	1000	0	object
4	mkt_carrier_fl_num	1000	0	int64
5	op_unique_carrier	1000	0	object
6	tail_num	1000	0	object
7	op_carrier_fl_num	1000	0	int64
8	origin_airport_id	1000	0	int64
9	origin	1000	0	object
10	origin_city_name	1000	0	object
11	dest_airport_id	1000	0	int64
12	dest	1000	0	object
13	dest_city_name	1000	0	object
14	crs_dep_time	1000	0	int64
15	dep_time	999	1	float64
16	dep_delay	999	1	float64
17	taxi_out	999	1	float64
18	wheels_off	999	1	float64
19	wheels_on	999	1	float64
20	taxi_in	999	1	float64
21	crs_arr_time	1000	0	int64
22	arr_time	999	1	float64
23	arr_delay	998	2	float64
24	cancelled	1000	0	int64
25	cancellation_code	1	999	object
26	diverted	1000	0	int64
27	dup	1000	0	object
28	crs_elapsed_time	1000	0	int64
29	actual_elapsed_time	998	2	float64
30	air_time	998	2	float64
31	flights	1000	0	int64
32	distance	1000	0	int64
33	carrier_delay	112	888	float64
34	weather_delay	112	888	float64
35	nas_delay	112	888	float64
36	security_delay	112	888	float64
37	late_aircraft_delay	112	888	float64
38	first_dep_time	10	990	float64
39	total_add_gtime	10	990	float64
40	longest_add_gtime	10	990	float64
41	no_name	0	1000	float64

Testing Dataset

flights_test

	Features	Non-Null Count	Null Count	Dtype
0	fl_date	1000	0	int64
1	mkt_unique_carrier	1000	0	object
2	branded_code_share	1000	0	object
3	mkt_carrier	1000	0	object
4	mkt_carrier_fl_num	1000	0	int64
5	op_unique_carrier	1000	0	object
6	tail_num	1000	0	object
7	op_carrier_fl_num	1000	0	int64
8	origin_airport_id	1000	0	int64
9	origin	1000	0	object
10	origin_city_name	1000	0	object
11	dest_airport_id	1000	0	int64
12	dest	1000	0	object
13	dest_city_name	1000	0	object
14	crs_dep_time	1000	0	int64
15	crs_arr_time	1000	0	int64
16	dup	1000	0	object
17	crs_elapsed_time	1000	0	int64
18	flights	1000	0	int64
19	distance	1000	0	int64