File	File Content Description	Attribute Name (Original)	Attribute Name (New)	Data Type	Possible Present Values	Business Description
airlines_20190227.dat	6161 entries 8 columns	id		int	-1...21317	unique identifier for each airline
		name		str	LSM Airlines, 135 Airways, 1Time Airline...	name for each airline
		alternative_name		str	TACA, Braathens SAFE, CSA Czech Airlines...	alias for the airline (for example, TACA = Transportes Aereos del Continente Americano)
		iata		str	PQ, 0P, 2Y, JG...	two-character codes assigned by the International Air Transport Association (IATA)
		icao		str	LOO, CBG, SSX, SJM...	three-character code assigned by the International Civil Aviation Organization (ICAO)
		callsign		str	GENERAL, NEXTIME, SPRAY, Shasta...	a group of alphanumeric characters used to identify an aircraft
		country_name		str (category)	Croatia, Norway, Hong Kong SAR of China...	277 different countries or territories where airport is located
		is_active		str (bool category)	Y or N	"Y" for operational airlines, "N" for non-functional ones (*note that the field is not reliable: the marker is set to "Y" for old non-functional airlines - for example, 1Time Airline)
airport-frequencies_20190227.csv	28715 entries 6 columns	id		int	48188...330583	unique identifier for each airport frequency
		airport_ref	airport_id	int	3...330555	reference to the airport identifier
		airport_ident		str	01FL, ZYTL, ZYTX, 04CA...	airport code
		type		str (category)	CTAF, INTL AIR, PVT ADV, EMR...	measurement type (for example, METAR = Aviation Routine Weather Report)
		description		str	CEDAR KNOLL TRAFFIC, DALIAN APP, DALIAN TWR...	frequency description
		frequency_mhz		float	0...1795.5	frequency for communication with the airport tower
airports_20190227.dat	7543 entries 14 columns	id		int	1...13726	unique identifier for each airport
		name		str	Goroka Airport, Madang Airport, Kishangarh Airport...	name of the airport
		city		str	Goroka, Madang, Mount Hagen...	the main city which is served by airport
		country_name		str (category)	Madagascar, Chile, Austria...	country where is located an airport
		iata		str	HZK, HGI, KQH, CNN...	three-character codes assigned by the International Air Transport Association (IATA)
		icao		str	BIHU, AYMD, VIKG, VOKN, ZBBB...	four-character code assigned by the International Civil Aviation Organization (ICAO)
		latitude		float	-90...82.517799	location in decimal degrees: negative is South, positive is North
		longitude		float	-179.876999...179.951004	location in decimal degrees: negative is West, positive is East
		altitude		int	-1266...14472	height of an airport above sea level in feet
		timezone		str (category)	0...13	offset from UTC in hours
		dst		str (category)	U, E, N, A, S, Z, O	daylight savings time: E (Europe), A (North America), S (South America), O (Australia), Z (New Zealand), N, \\N or U (unknown)
		timezone_tz		str (category)	Atlantic/Reykjavik, Europe/Bratislava, Asia/Yerevan...	timezone in Oslon format
		type		str (category)	airport	type of the airport
		source		str (category)	OurAirports	source of this data
countries_20190227.csv	247 entries 6 columns	id		int	302556...302802	unique identifier for each country
		code		str	BR, AG, CZ, TN, OM...	iso country code
		name		str	Brazil, Bolivia, Cook Islands, Greece...	full country or territory name
		continent		str (category)	EU, AS, AF, AN, SA, OC	continent short name
		wikipedia_link		str	http://en.wikipedia.org/wiki/Brazil ...	wikipedia link with country description
		keywords		str	مطارات الجزائر, Brasil, Salvadorean	keywords about the country
navaids_20190227.csv	1117 entries 21 columns	id		int	85050...300050	unique identifier for each navaid
		filename	file_name	str	Aalborg_VOR-DME_DK, Williams_Harbour_NDB_CA...	navaid file name
		ident		str	AAL, 1CD, ZZR, ZZV...	device code name
		name		str	Aalborg, Williams Harbour, Sable Island, Nanaimo...	navaid name
		type		str (category)	NDB, DME, NDB-DME, VOR-DME, TACAN, VORTAC or VOR	navaid type
		frequency_khz		int	-1...135500	operating frequency in kHz
		latitude_deg		float	-89.995201...82.525803	location in decimal degrees: negative is South, positive is North
		longitude_deg		float	-179.880997...179.315002	location in decimal degrees: negative is West, positive is East
		elevation_ft		float	--1200...14192	elevation in feet
		iso_country	country_code	str (category)	DK, AO, MY, CL, EC...	iso country code
		dme_frequency_khz		float	11495...135500	distance measuring equipment (DME) frequency in kHz
		dme_channel		str (category)	114X, 063X, 018Y, 099Y...	distance measuring equipment (DME) channel number
		dme_latitude_deg		float	30.748108...67.106200	distance measuring equipment (DME) location in decimal degrees
		dme_longitude_deg		float	-176.674000...176.916000	distance measuring equipment (DME) location in decimal degrees
		dme_elevation_ft		float	10.0...7237.0	distance measuring equipment (DME) elevation in feet
		slaved_variation_deg		float	-155.011000...166.009000	repaired magnetic variance of the device
		magnetic_variation_deg		float	-149.447000...144.431000	magnetic variance of the device
		usageType	usage_type	str (category)	LO, BOTH, TERMINAL, RNAV or HI	usage type
		power		str (category)	UNKNOWN, LOW, MEDIUM or HIGH	signal intensity
		associated_airport	airport_icao	str	EKYT, WAJO, SMJP, HTZA, CCA6...	four-character ICAO code of the airport
		empty_column		float		column to delete
planes_20180123.dat planes_20180529.dat planes_20190227.dat	174 entries 3 columns	name		str	Airbus A300, B 737 MAX 8, Cessna 172, Dassault Falcon 7X...	unique full name of the aircraft
		iata		str	AB3, A81, LOE, BE58, MD11, YK4...	three-character codes assigned by the International Air Transport Association (IATA)
		icao		str	A30B, B773, FA7X, DC91, T134, JS41...	four-character code assigned by the International Civil Aviation Organization (ICAO)
regions_20190227.csv	3999 entries 8 columns	id		int	302811...317197	unique identifier for each region
		code		str	AE-SH, AD-04, ZW-MW, ZW-U-A...	region code
		local_code		str	02, 03, 04, SH, TOB, VF, HJ...	region local code
		name		str	Sharjah Emirate, Canillo, La Massana, Masvingo Province...	full region name
		continent	continent_code	str (category)	EU, AS, AF, AN, SA or OC	continent short name, where the region is located
		iso_country	country_code	str (category)	AE, AM, KW, MA, VC, VE...	iso country code, where the region is located
		wikipedia_link		str	http://en.wikipedia.org/wiki/Sharjah_(emirate) ...	wikipedia link with region description
		keywords		str	Ash Shāriqah, Basel-Stadt, Віцебская вобласць...	keywords about the region
routes_20190227.dat	67663 entries 9 columns	airline_iata		str	4M, 2G, KE, SN, ZM, U6...	two-character IATA airline code
		airline_id		str	837, 3613, 13899, 2218, 221...	unique airline id
		airport_origin_iata		str	EZE, TRO, AER, WIN, ASF...	three-character IATA code of source airport
		airport_origin_id		str	3988, 2966, 6337, 6334...	identifier of source airport
		airport_destination_iata		str	JFK, KZN, MRV, OVB, OAG...	three-character IATA code of destination airport
		airport_destination_id		str	3797, 4078, 6287, 6793, 6792...	identifier of destination airport
		is_codeshare		str (category)	Y	marks if this flight is a codeshare (operated by another airline) or no
		number_of_stops		int	0, 1	number of stops during the whole flight (0 for the direct one)
		plane_type		str	777, 737 777 320, BE1 BEH	three-character plane codes (divided by ' ')
runways_20190227.csv	41197 entries 21 columns	id		int	232758...330643	unique identifier for each runway
		airport_ref	airport_id	int	2...330642	identifier of the airport
		airport_ident		str	04W, 00AK, 00AL, ZYTX, ZYYJ...	airport code
		length_ft		float	0...120000	runway length in feet
		width_ft		float	0...9000	runway width in feet
		surface		str (category)	ASPH-G, Grassed yellow clay, METAL, Water...	runway surface type
		lighted	is_lighted	int	0 or 1	1 for lighted runway, 0 - otherwise
		closed	is_closed	int	0 or 1	1 for closed runway, 0 - otherwise
		le_ident		str	N, 2, 08, 30L, NEL, unknown...	lower end id
		le_latitude_deg		float	-75.5972...10^7	lower end latitude in decimal degrees
		le_longitude_deg		float	-178.303...179.337	lower end longitudein decimal degrees
		le_elevation_ft		float	-1246...10^7	lower end elevation in feet
		le_heading_degT		float	0...10^6	lower end heading direction (simple degree)
		le_displaced_threshold_ft		float	1...10^7	lower end displaced threshold in feet (an offset of the runway)
		he_ident		str (category)	24, S, 29T, SWL, 26runway, XX, B...	higher end id
		he_latitude_deg		float	-75.5954...82.5228	higher end latitude in decimal degrees
		he_longitude_deg		float	-178.292...179.343	higher end longitudein decimal degrees
		he_elevation_ft		float	-1210...13314	higher end elevation in feet
		he_heading_degT		float	0...363	higher end heading direction (simple degree)
		he_displaced_threshold_ft		float	1...5001	higher end displaced threshold in feet (an offset of the runway)
		empty_column		float		column to delete

Legend	
	Primary key
	Foreign key
col	To be deleted