

Fact Table

immigration

Column	Description	Origin	Datatype	Key	Example
cicid	Unique identifier for each entry in the immigration dataset.	I94 Immigration Data	int	PK	459658
i_yr	Year of arrival date.	I94 Immigration Data	int		2016
i_mon	Month of arrival date.	I94 Immigration Data	int		4
arrdate	Arrival date in days after 1960.	I94 Immigration Data	int	FK -> dates	20547
depdate	Department date in days after 1960. About 3.9% missing values.	I94 Immigration Data	int	FK -> dates	20549
i_cit	Country code of travel origin	I94 Immigration Data	int	FK -> country	135
i_res	Country code of residency	I94 Immigration Data	int	FK -> country	135
i_port	Short sign for city	I94 Immigration Data	varchar	FK -> city_demographics	COS
i_mode	Mode of transport. Available values: 1 = Air 2 = Sea 3 = Land 9 = Not Reported	I94 Immigration Data	int	FK -> transport	1
i_addr	US state shortsign.	I94 Immigration Data	varchar		CO
i_bir	Age	I94 Immigration Data	int		35
i_visa	Visa type. Values: 1 = Business 2 = Pleasure 3 = Student	I94 Immigration Data	int	FK -> visa	2
visatype	Visa type short sign	I94 Immigration Data	varchar		WB
gender	Gender. Values: M = male F = female	I94 Immigration Data	varchar		F
airline	Airline short sign	I94 Immigration Data	varchar		VS
fltno	Flight number	I94 Immigration Data	int		"00115"
length_stay	Length of stay, derived from difference of depdate and arrdate. Null if depdate is null.	I94 Immigration Data	int		3

Dimension Tables

country

Column	Description	Origin	Datatype	Key	Example
cntyl_id	I94 identifier for Countries.	Metadata file of I94 Immigration Data	int	PK	151
cntyl	Country Name.	Metadata file of I94 Immigration Data	varchar		Armenia

temperature_annual_country

Column	Description	Origin	Datatype	Key	Example
cntyl_id	I94 identifier for Countries.	I94 Immigration Data	int	FK -> country	109
year	Year.	World Temperature Data	int		1921
average_temperature	Average temperature.	Aggregated from World Temperature Data	double precision		5.059
country	Country name	World Temperature Data	varchar		Estonia

transport

Column	Description	Origin	Datatype	Key	Example
model_id	Identifier of the mode of transport.	I94 Immigration Data	int	PK	2
model	String description of the transport model.	I94 Immigration Data	varchar		Sea

city_demographics

Column	Description	Origin	Datatype	Key	Example
prtl_city_id	City short sign from I94.	I94 Immigration Data	varchar	PK	COS
city	String for city.	U.S. City Demographic Data	varchar		Colorado Springs
median_age	Median Age of Population	U.S. City Demographic Data	float		34.8
male_population	Count of male population.	U.S. City Demographic Data	int		225544
female_population	Count of female population.	U.S. City Demographic Data	int		231018
total_population	Count of population.	U.S. City Demographic Data	int		456562
foreignborn	Count of foreign born population.	U.S. City Demographic Data	int		35320
average_household_size	Average number of persons in a household.	U.S. City Demographic Data	float		2.54
state_code	State short sign.	U.S. City Demographic Data	varchar		CO
state	State name.	U.S. City Demographic Data	varchar		Colorado

dates

Column	Description	Origin	Datatype	Key	Example
i_date	Date code from I94.	generated from script	int	PK	9709
dt_date	Date string.	generated from script	string		1986-08-01
day	Day of the month.	generated from script	int		1
weekday	Day of the week.	generated from script	int		4
year	Year.	generated from script	int		1981

visa

Column	Description	Origin	Datatype	Key	Example
visa_id	I94 identifier of visa.	U.S. City Demographic Data	int	PK	1
visa	String description of Visa.	U.S. City Demographic Data	varchar		Business

temperature_global

Column	Description	Origin	Datatype	Key	Example
year	Year	World Temperature Data	int		1993
land_average_temperature	Global land average temperature.	World Temperature Data	float		6.74
land_average_temperature_uncertainty	Global average temperature uncertainty.	World Temperature Data	float		0.06
land_max_temperature	Global average max temperature.	World Temperature Data	float		12.569
land_max_temperature_uncertainty	Global average max temperature uncertainty.	World Temperature Data	float		0.096
land_min_temperature	Global average min temperature.	World Temperature Data	float		0.894
land_min_temperature_uncertainty	Global average min temperature uncertainty.	World Temperature Data	float		0.079
land_and_ocean_average_temperature	Global land and ocean average temperature.	World Temperature Data	float		15.193
land_and_ocean_average_temperature_uncertainty	Global land and ocean average temperature uncertainty.	World Temperature Data	float		0.061