

Data dictionary - Project Capstone

Table	fact_ids	Description
i94_id	INTEGER IDENTITY(0,1)	Unique Primary Key
CoC	VARCHAR	Country of Citizenship(originally it was i94cit)
CoR	VARCHAR	Country of Residence(originally it was i94res)
PoE	VARCHAR	Port of Entry (originally it was i94port)
landing_state	VARCHAR	Landing state in US(originally it was i94addr)
age	VARCHAR	Age
visa_issued_in	VARCHAR	Department of State where where Visa was issued(Originally it was visapost)
occup	VARCHAR	Occupation of the visitor
biryear	VARCHAR	Year of birth
gender	VARCHAR	Gender (Categorical : M, F, O)
airline	VARCHAR	Airline visitor travelled
admnum	VARCHAR	Admission Number
fltno	VARCHAR	Flight number
visatype	VARCHAR	Visa type (Categorical)
arrival_mode	VARCHAR	Mode of travel (Categorical : Air, Sea and Land)
visit_purpose	VARCHAR	Purpose of travel/visit (Categorical : Student, Business and Travel)
arrival_dt	TIMESTAMP	Arrival date
departure_dt	TIMESTAMP	Departure date
DaysinUS	DECIMAL(16,5)	Number of days stayed in USA
added_to_i94	TIMESTAMP	Date added to i94 records
allowed_until	TIMESTAMP	Visa expiry date
entry_exit	VARCHAR	Identifies this record as Entry into US or Exit from US
CONSTRAINT	fact_ids_pk PRIMARY KEY (i94_id)	

Table	dim_visatype	Description
visatype	VARCHAR	Type of VISA (Categorical)
description	VARCHAR	Description of the visa
CONSTRAINT	dim_visatype_pk PRIMARY KEY (visatype)	

Table	dim_ac	Description
type	VARCHAR	Type of Airport (Categorical : Small airport, large airport,)
name	VARCHAR	Name of Airport
elevation_ft	DECIMAL(16,5)	Elevation above sea level
continent	DECIMAL(16,5)	Continent where the airport is located (Categorical : EU, SA, AS, AF, OC, AN, blank for US)

iso_country	VARCHAR	Country code
iso_region	VARCHAR	State code (Format : CountryCode-StateCode)
municipality	VARCHAR	Municipality city
iata_code	VARCHAR	IATA Code which is used by Ticket booking agencies
local_code	VARCHAR	Local code similar to IATA but its used locally
coordinates	VARCHAR	Geo Coordinates of the airport
longitude	VARCHAR	Longitude split from coordinates column
latitude	VARCHAR	Latitude split from coordinates column
state	VARCHAR	State column split from iso_region
facilities	VARCHAR	Indicator to flag if airport contains Customs & Immigration
CONSTRAINT	dim_ac_pk PRIMARY KEY(type,name)	

Table	dim_USPoE	Description
code	VARCHAR	Primary Key
citystate	VARCHAR	Contains City, State names concatenated together
city	VARCHAR	City split from citystate column
state	VARCHAR	State split from statestate column
CONSTRAINT	dim_USPoE_pk PRIMARY KEY(code)	

Table	dim_uszips	Description
zip	INTEGER	The 5-digit zip code assigned by the U.S. Postal Service
lat	DECIMAL(16,5)	The latitude of the zip code
lng	DECIMAL(16,5)	The longitude of the zip code
city	VARCHAR	The official USPS city name
state_id	VARCHAR	The official USPS state abbreviation
state_name	VARCHAR	The state's name
population	INTEGER	An estimate of the zip code's population. Only exists if zcta is TRUE
density	DECIMAL(16,5)	The estimated population per square kilometer. Only exists if zcta is TRUE
county_fips	INTEGER	The zip's primary county in the FIPS format. Used in Geo-mapping
county_name	VARCHAR	The name of the county_fips
CONSTRAINT	dim_uszips_pk PRIMARY KEY(zip)	

Table	dim_i94countrycode	Description
code	VARCHAR	Unique code
country	VARCHAR	Name of the country
CONSTRAINT	dim_i94countrycode_pk PRIMARY KEY(code)	

Table	dim_usdp	Description
State	VARCHAR	US State name
City	VARCHAR	US City name
Median_Age	DECIMAL(16,5)	Median age of the population in that city
State_Code	VARCHAR	State code (Categorical)
Male_Population	INTEGER	Number of male in that state
Female_Population	INTEGER	Number of female in that state
Total_Population	INTEGER	Total Population in the state
Number_of_Veterans	INTEGER	Number of veterans in the state
Foreign_born	INTEGER	Number of non-americans in the state
CONSTRAINT	dim_usdp_pk PRIMARY KEY(State,City)	

Table	dim_usdr	Description
State	VARCHAR	US State name
City	VARCHAR	US City name
State_Code	VARCHAR	State code (Categorical)
American_Indian_and_Alaska_Native	INTEGER	Number of American_Indian_and_Alaska_Native in the state
Asian	INTEGER	Number of Asian in the state
Black_or_African_American	INTEGER	Number of African American in the state
Hispanic_or_Latino	INTEGER	Number of Hispanic or Latino in the state
White	INTEGER	Number of White people in the state
CONSTRAINT	dim_usdr_pk PRIMARY KEY(State,City)	

Table	dim_temper	Description
dt	TIMESTAMP	Timestamp of the event
AverageTemperature	DECIMAL(16,5)	Average Temperature in the city
City	VARCHAR	City name
Country	VARCHAR	Country name
CONSTRAINT	dim_temper_pk PRIMARY KEY (dt,City,Country)	

Table	dim_alc	Description
code	VARCHAR	Unique code
description	VARCHAR	Name of the air liner
CONSTRAINT	dim_alc_pk PRIMARY KEY(code)	

Table	dim_visapost	Description
location	VARCHAR	Location name where visa was

		issued
code	VARCHAR	3-Character code of the state
CONSTRAINT	dim_visapost_pk PRIMARY KEY(code)	

Table	dim_alpha2countrycode	Description
country	VARCHAR	Country name
alpha2	VARCHAR	Alpha-2 codes from ISO 3166-1 (eg:- 2 character country code like IN for INDIA)
alpha3	VARCHAR	Alpha-3 codes from ISO 3166-1 (synonymous with World Bank Codes) (eg:- 3 character country code like IND for INDIA)
Num	INTEGER	Numeric codes from ISO 3166-1
ITU	VARCHAR	Codes assigned by the International Telecommunications Union
GEC	VARCHAR	Codes from the U.S. standard GEC
IOC	VARCHAR	Codes assigned by the International Olympics Committee . These codes identify the nationality of athletes and teams during Olympic events.
FIFA	VARCHAR	Codes assigned by the Fédération Internationale de Football Association
DS	VARCHAR	Distinguishing signs of vehicles in international traffic (oval bumper sticker codes)
WMO	VARCHAR	Country abbreviations used in weather reports from the World Meteorological Organization
GAUL	VARCHAR	Global Administrative Unit Layers from the Food and Agriculture Organization
MARC	VARCHAR	MAchine-Readable Cataloging codes from the Library of Congress
dial	VARCHAR	Country code from ITU-T recommendation E.164 (international dialing code), sometimes followed by area code. (Eg;- Russia - 007 :D)
independent	VARCHAR	Country status, based on the CIA World Factbook. This column is just a superficial note, provided for convenience.
VisaRequired	VARCHAR	Flag to state whether a VISA is required to travel to US based on their country
CONSTRAINT	dim_alpha2countrycode_pk PRIMARY KEY (country)	

Table	dim_iap	Description
Location	VARCHAR	City name
Airport	VARCHAR	Airport name
IATA	VARCHAR	IATA Code which is used by Ticket booking agencies
CONSTRAINT	dim_iap_pk PRIMARY KEY(Airport,IATA)	

Table	dim_wc	Description
city	VARCHAR	The name of the city/town as a Unicode string (e.g. Goiânia)
city_ascii	VARCHAR	city as an ASCII string (e.g. Goiania). Left blank if ASCII representation is not possible.
lat	DECIMAL(10,6)	The latitude of the city/town.
lng	DECIMAL(10,6)	The longitude of the city/town.
country	VARCHAR	The name of the city/town's country.
iso2	VARCHAR	The alpha-2 iso code of the country.
iso3	VARCHAR	The alpha-3 iso code of the country.
admin_name	VARCHAR	The name of the highest level administration region of the city town (e.g. a US state or Canadian province). Possibly blank.
capital	VARCHAR	Blank string if not a capital, otherwise: primary - country's capital (e.g. Washington D.C.), admin - first-level admin capital (e.g. Little Rock, AR), minor - lower-level admin capital (e.g. Fayetteville, AR)
population	DECIMAL(16,5)	An estimate of the city's urban population. Only available for some (prominent) cities.
id	INTEGER	A 10-digit unique id generated by SimpleMaps. We make every effort to keep it consistent across releases and databases
CONSTRAINT	dim_wc_pk PRIMARY KEY(city,country)	

Table	dim_USstatecode	Description
code	VARCHAR	2-Character state code
state	VARCHAR	State name
status	VARCHAR	Type of state(Categorical : state, territory)
CONSTRAINT	dim_USstatecode_pk PRIMARY KEY(code)	