**Data dictionary - Project Capstone**

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| Table | fact\_ids | Description |
| i94\_id | INTEGER IDENTITY(0,1) | Unique Primary Key |
| CoC | VARCHAR | Country of Citizenship(orginally it was i94cit) |
| CoR | VARCHAR | Country of Residence(orginally it was i94res) |
| PoE | VARCHAR | Port of Entry (orginally it was i94port) |
| landing\_state | VARCHAR | Landing state in US(orginally it was i94addr) |
| age | VARCHAR | Age |
| visa\_issued\_in | VARCHAR | Department of State where where Visa was issued(Orginally 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) | |
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| Table | dim\_visatype | Description |
| visatype | VARCHAR | Type of VISA ( Categorical ) |
| description | VARCHAR | Description of the visa |
| CONSTRAINT | dim\_visatype\_pk PRIMARY KEY (visatype) | |

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| 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) | |

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| 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) | |

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| 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) | |

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| Table | dim\_i94countrycode | Description |
| code | VARCHAR | Unique code |
| country | VARCHAR | Name of the country |
| CONSTRAINT | dim\_i94countrycode\_pk PRIMARY KEY(code) | |

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| 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) | |

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| 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) | |

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| 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) | |

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| Table | dim\_alc | Description |
| code | VARCHAR | Unique code |
| description | VARCHAR | Name of the air liner |
| CONSTRAINT | dim\_alc\_pk PRIMARY KEY(code) | |

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| 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) | |

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| 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) | |

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| 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) | |

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| 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) | |

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| 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) | |