

dim_date	
Date table, used to perform day level analysis. Date Range : 1/1/2010 to 12/31/2030	
Date_SK	Unique identifier for each date
Date_DT	Represents the data in MM/DD/YYYY
DOW_No	Day Of Week (1-Mon, 2-Tue, .. 7-Sun)
Day_Name	Day Of Week (Monday, Tuesday, ... Sunday)
Week_Day_Ind	False for Sat-Sun, True for other days
Week_No	Week of the year
Month_No	Month number (1-Jan, 2-Feb, .. 12-Dec)
Month_Name	Month Name (January, February, .. December)
Quarter_No	Quarter number (1:Jan-Mar, 2:Apr-Jun, 3:Jul-Sep, 4:Oct-Dec)
Quarter_Desc	Quarter name
Year_No	Year
Leap_Year_Ind	True if its leap year, False if otherwise
Create_TS	Timestamp when the row was created
Create_User	User who created the record. Hardcoded to 'ETL_USR'
Last_Updt_TS	Timestamp when the row was updated
Last_Updt_User	User who updated the record. Hardcoded to 'ETL_USR'

dim_time	
Time table, used to perform analysis at second level. Has rows from 12:00 AM to 11:59 PM	
Time_SK	Unique identifier for each time record
Hour	Hour of the day
Minute	Minute of the time
Second	Second of the time
Time_Desc	Time in HH24:MI:SS format
Day_Phase_Desc	Phase of the day - Morning/Evening, etc..
Create_TS	Timestamp when the row was created
Create_User	User who created the record. Hardcoded to 'ETL_USR'
Last_Updt_TS	Timestamp when the row was updated
Last_Updt_User	User who updated the record. Hardcoded to 'ETL_USR'

dim_address	
Has address details used to perform analysis based on geography	
Address_SK	Surrogate key for the table
City	City of the address
State	State
Zipcode	5-digit Zipcode
Create_TS	Timestamp when the row was created
Create_User	User who created the record. Hardcoded to 'ETL_USR'
Last_Updt_TS	Timestamp when the row was updated
Last_Updt_User	User who updated the record. Hardcoded to 'ETL_USR'

dim_acc_cond	
Degenerate dimension, with list of all flags related to condition of the accident. Can be used to calculate most common conditions that lead to accidents.	
Acc_Cond_SK	Unique identifier for each combination of conditions
Amenity	A Point-Of-Interest (POI) annotation which indicates presence of amenity in a nearby location.
Bump	A POI annotation which indicates presence of speed bump or hump in a nearby location.
Crossing	A POI annotation which indicates presence of crossing in a nearby location.
Give_Way	A POI annotation which indicates presence of give_way sign in a nearby location.
Junction	A POI annotation which indicates presence of junction in a nearby location.
No_Exit	A POI annotation which indicates presence of no_exit sign in a nearby location.
Railway	A POI annotation which indicates presence of railway in a nearby location.
Roundabout	A POI annotation which indicates presence of roundabout in a nearby location.
Station	A POI annotation which indicates presence of station (bus, train, etc.) in a nearby location.
Stop	A POI annotation which indicates presence of stop sign in a nearby location.
Traffic_Calming	A POI annotation which indicates presence of traffic_calming means in a nearby location.
Traffic_Signal	A POI annotation which indicates presence of traffic_signal in a nearby location.
Turning_Loop	A POI annotation which indicates presence of turning_loop in a nearby location.
Sunrise_Sunset	Shows the period of day (i.e. day or night) based on sunrise/sunset.

Civil_Twilight	Shows the period of day (i.e. day or night) based on civil twilight.
Nautical_Twilight	Shows the period of day (i.e. day or night) based on nautical twilight.
Astronomical_Twilight	Shows the period of day (i.e. day or night) based on astronomical twilight.
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Last_Updt_User	User who updated the record. Hardcoded to 'ETL_USR'

dim_airport	
List of all airports with in each of 50 US states	
Airport_SK	Unique identifier for each combination of conditions
ID	Unique airport ID assigned by International Civil Aviation Agency
City	Name of the City of the airport
Name	Name of the airport
Create_TS	Timestamp when the row was created
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Last_Updt_User	User who updated the record. Hardcoded to 'ETL_USR'

dim_wthr_cond	
Represents the weather conditions present at the time of accident	
Weather_Cond_SK	Unique identifier for each combination of weather conditions
Wind_Direction	Shows wind direction.
Weather_Condition	Shows the weather condition (rain, snow, thunderstorm, fog, etc.).
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lkp_provider	
Details of provider of the trip data	
Provider_SK	Unique identifier for each provider
Provider_Name	Name of the data provider
Create_TS	Timestamp when the row was created
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Last_Updt_User	User who updated the record. Hardcoded to 'ETL_USR'

lkp_source	
Details of source of the accident data	
Source_SK	Unique identifier for each source
Source_Name	Indicates source of the accident report (i.e. the API which reported the accident.).
Create_TS	Timestamp when the row was created
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Last_Updt_User	User who updated the record. Hardcoded to 'ETL_USR'

fact_accident	
Details of countrywide traffic accidents collected for the United States from Feb 2016 to Dec 2019	
Accident_SK	Unique identifier for each accident record
Source_FK	Refers to Source_SK column from lkp_source table based on source name
Address_FK	Refers to Address_SK column from dim_address table based on address city, state, zipcode
Airport_FK	Refers to Airport_SK column from dim_airport table based on airport ID
Weather_Cond_FK	Refers to Weather_Cond_SK column from dim_wthr_cond table based on weather conditions
Acc_Cond_FK	Refers to Acc_Cond_SK column from dim_acc_cond table based on various accident conditions
Start_Date_FK	Refers to Date_SK column from dim_date table based on StartDate
Start_Time_FK	Refers to Time_SK column from dim_time table based on StartTime

End_Date_FK	Refers to Date_SK column from dim_date table based on EndDate
End_Time_FK	Refers to Time_SK column from dim_time table based on EndTime
Weather_Date_FK	Refers to Date_SK column from dim_date table based on WeatherDate
Weather_Time_FK	Refers to Time_SK column from dim_time table based on WeatherTime
Accident_ID	Unique identifier of the accident record.
TMC	Traffic Message Channel (TMC) code which provides more detailed description of the traffic accident
Severity	Shows the severity of the accident, a number between 1 and 4, where 1 indicates the least impact on traffic (i.e., short delay as a result of the accident) and 4 indicates a significant impact on traffic (i.e., long delay).
Start_TS	Shows start time of the accident in local time zone.
End_TS	Shows end time of the accident in local time zone.
Start_Lat	Shows latitude in GPS coordinate of the start point.
Start_Lng	Shows longitude in GPS coordinate of the start point.
End_Lat	Shows latitude in GPS coordinate of the end point.
End_Lng	Shows longitude in GPS coordinate of the end point.
Distance_mi	The length of the road extent affected by the accident.
Description	Shows natural language description of the accident.
Timezone	Shows timezone based on the location of the accident (eastern, central, etc.).
Weather_Timestamp	Shows the time-stamp of weather observation record (in local time).
Temperature_f	Shows the temperature (in Fahrenheit).
Wind_Chill_f	Shows the wind chill (in Fahrenheit).
Humidity_pct	Shows the humidity (in percentage).
Pressure_in	Shows the air pressure (in inches).
Visibility_mi	Shows visibility (in miles).
Wind_Speed_mph	Shows wind speed (in miles per hour).
Precipitation_in	Shows precipitation amount in inches, if there is any.
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fact_trip	
Details of complete taxicab trip records for calendar year 2017 for Washington DC	
Trip_SK	Unique identifier for each accident record
Provider_FK	Refers to Provider_SK column from lkp_provider table based on source name
Origin_Address_FK	Refers to Address_SK column from dim_address table based on origin address - city, state, zipcode
Destination_Address_FK	Refers to Address_SK column from dim_address table based on destination address - city, state, zipcode
Start_Date_FK	Refers to Date_SK column from dim_date table based on StartDate
Start_Time_FK	Refers to Time_SK column from dim_time table based on StartTime
DateCreated_Date_FK	Refers to Date_SK column from dim_date table based on CreatedDate
DateCreated_Time_FK	Refers to Time_SK column from dim_time table based on CreatedTime
Start1_Date_FK	Refers to Date_SK column from dim_date table based on StartDate1
Start1_Time_FK	Refers to Time_SK column from dim_time table based on StartTime1
End_Date_FK	Refers to Date_SK column from dim_date table based on EndDate
End_Time_FK	Refers to Time_SK column from dim_time table based on EndTime
Trip_ID	Unique identifier of the trip record.
Trip_Type	Shows type of the trip
External_ID	Shows externalID (reference number for the trip in third party data sources)
Fare_Amt	Shows fare amount of the trip
Gratuity_Amt	Shows gratuity amount of the trip
Srchrg_Amt	Shows surcharge amount of the trip
Extra_Fare_Amt	Shows extra fare amount of the trip
Toll_Amt	Shows toll amount of the trip
Total_Amt	Shows total amount of the trip
Pymt_Type	Shows payment type
Origin_Lat	Shows latitude in GPS coordinate of the start point.
Origin_Lon	Shows longitude in GPS coordinate of the start point.
Dest_Lat	Shows latitude in GPS coordinate of the end point.
Dest_Lon	Shows longitude in GPS coordinate of the end point.
Milage	Shows total mileage of the trip

Trip_Duration	Shows total duration of the trip in seconds
Misc	Any miscellaneous comments about the trip
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