APAC 2023 Datathon Data Table Descriptions

traffic_stops_philadelphia.csv — (1865096 rows x 23 columns) — size: 339.9 Mb

Dataset Overview: A dataset of traffic stops in the city of Philadelphia from December 2013-April 2018.

Feature	Short Description
object_id	A unique row identifier, this is not a primary key
date	Date of the traffic stop
time	Time of the traffic stop
location	String of address within Philadelphia
lat	Latitude traffic stop occurred at
lng	Longitude traffic stop occurred at
district	Police district number that the traffic stop occurred at within Philadelphia
service_area	Service area number that the traffic stop occurred at within Philadelphia
subject_age	Civilian age of traffic stop
subject_race	Civilian race of traffic stop
subject_sex	Civilian sex of traffic stop
type	Was the civilian a pedestrian or vehicular
arrest_made	Boolean of whether an arrest was made
outcome	Outcome of the traffic stop. Can be: arrest, citation, warning, and summons
contraband_found	True or false regarding if contraband was found. When NA it is assumed that contraband should not have been found
frisk_performed	True or False regarding if a frisk was performed
search_conducted	True or False regarding if a search was

	conducted
search_person	True or False regarding if the civilian was searched
search_vehicle	True or False regarding if the vehicle was searched
raw_race	True or False regarding if a frisk was performed
raw_individual_contraband	Another classification of race
raw_vehicle_contraband	True or False regarding if the vehicle had contraband
fips	GEOID used by the US Census Bureau to identify land based on population. The following GEOIDS are at the level of census block group. For more information on how this works, see this link or this link.

investigations.csv — (2785087 rows x 21 columns) — size: 425.4 Mb

Dataset Overview: A dataset of investigations taken by Philadelphia police between 2014-2022 on pedestrians and automobiles.

Feature	Short Description
id	A unique row identifier, this is not a primary key
datetimeoccur	Datetime of investigation
weekday	Day of the week of investigation
location	Street address of investigation
districtoccur	Police district that investigation occured in
psa	Police service area number that investigation occured in. Multiple districts exist within a Police Service Area.
stoptype	Text input of whether the stop was
inside_or_outside	Was the investigation inside or outside

gender	Gender of civilian investigated
race	Race of the civilian investigated
age	Age of the civilian investigated
individual_frisked	0 if not frisked and 1 if frisked during the investigation
individual_searched	0 if not searched and 1 if searched during the investigation
individual_arrested	0 if not arrested and 1 if arrested during the investigation
individual_contraband	0 if no contraband was found and 1 if contraband was found during the investigation
vehicle_frisked	0 if not frisked and 1 if frisked during the investigation
vehicle_searched	0 if not searched and 1 if not searched during the investigation
vehicle_contraband	0 if no contraband was found and 1 if contraband was found during the investigation
lat	Latitude of the investigation
lng	Longitude of the investigation
fips	GEOID used by the US Census Bureau to identify land based on population. The following GEOIDS are at the level of census block group. For more information on how this works, see this link or this link.

crimes.csv — (1593142 rows x 10 columns) — size: 212.4 Mb

Dataset Overview: A dataset of crimes commited in Philadelphia from 2013-2022.

Feature	Short Description
objectid	A unique row identifier, this is not a primary key

psa	Police service area number that crime occurred in. Multiple districts exist within a Police Service Area.
dispatch_date	Date the police officer was dispatched
dispatch_time	Time the police officer was dispatched
location_block	Street address of crime occurred at
text_general_code	The unique text of the type of crime committed
lat	Latitude that the crime occurred at
lng	Longitude that the crime occured at
fips	GEOID used by the US Census Bureau to identify land based on population. The following GEOIDS are at the level of census block group. For more information on how this works, see this link or this link.

hourly_weather_philadelphia.csv — (113929 rows x 11 columns) — size: 7.4 Mb

Dataset Overview: A dataset of hourly weather in Philadelphia from 2010-2022. Data is the weather from the centroid of the city.

Feature	Short Description
datetime	The date + time of the hourly weather
air_temp	Air temperature in celsius
dew_point_temp	Dew point temperature in celsius
relative_humidity	Relative humidity (%)
precipitation	Total Precipitation in mm
snow_depth	Snow depth in mm
avg_wind_direction	Average wind direction in degrees
avg_wind_speed	Average wind speed in km/h
peak_wind_gust_speed	The peak wind gust in km/h
avg_sea_level_air_pressure	Average sea-level air pressure in kPa

total_sunshine	Sunshine total in minutes for that hour

police_stations.csv — (22 rows x 6 columns) — size: 1 Kb

Dataset Overview: A dataset of the location details of police stations within Philadelphia.

Feature	Short Description
objectid	A unique row identifier, this is not a primary key
district_number	Police district of the police station
location	Location of the police station
lat	Latitude
lng	Longitude
fips	GEOID used by the US Census Bureau to identify land based on population. The following GEOIDS are at the level of census block group. For more information on how this works, see this link or this link.

police_districts.csv — (22 rows x 10 columns) — size: 2 Kb

Dataset Overview: A dataset of the location details of police districts within Philadelphia.

Feature	Short Description
OBJECTID	A unique row identifier, this is not a primary key
PERIMETER	Perimeter of the police district
DISTRICT_NUM	Police district number
LOCATION	Location of police station in the police district
LAT	Latitude of police station
LONG	Longitude of police station

DIV_CODE	Division Code of police district
AREA_SQMI	Area of police district in square miles
Shape__Area	Area of police district from the shape file
Shape__Length	Length of the police district from the shape file

philadelphia_population_metrics.csv — (384 rows x 14 columns) — size: 50.8 Kb

Dataset Overview: Population demographic information of the city of Philadelphia.

Feature	Short Description
objectid	A unique row identifier, this is not a primary key
geography_name	Census GEOID category (e.g. census tract)
geography	GEOID
count_all_races_ethnicities	Total count of all individuals living within the census tract agnostic of their race
count_white_nh	Total count of all white, non-hispanic identifying individuals living within the census tract
count_black_nh	Total count of all black, non-hispanic identifying individuals living within the census tract
count_asian_nh	Total count of all asian, non-hispanic identifying individuals living within the census tract
count_hispanic	Total count of all hispanic identifying individuals living within the census tract
percent_white_nh	Percent of white, non-hispanic identifying individuals living within the census tract
percent_black_nh	Percent of black, non-hispanic identifying individuals living within the census tract
percent_asian_nh	Percent of asian, non-hispanic identifying individuals living within the census tract

percent_hispanic	Percent of hispanic identifying individuals living within the census tract
shape__area	Tract polygon area
shape__length	Tract polygon perimeter length

crash_info_general.csv — (113013 rows x 99 columns) — size: 34.5 Mb

Dataset Overview: Information related to car crashes in Philadelphia from 2010-2021.

Feature	Short Description
ARRIVAL_TM	Time police arrived at the scene
AUTOMOBILE_COUNT	Total amount of Automobiles Involved
BELTED_DEATH_COUNT	Total Deaths of belted occupants
BELTED_SUSP_SERIOUS _INJ_COUNT	Total Suspected Serious Injuries of belted occupants
BICYCLE_COUNT	Total amount of Bicycles involved
BICYCLE_DEATH_COUNT	Total amount of Bicyclist Fatalities
BICYCLE_SUSP_SERIOUS _INJ_COUNT	Total amount of Bicyclist Suspected Serious Injuries
BUS_COUNT	Total amount of Buses involved
CHLDPAS_DEATH_COUNT	Total child passengers under the age of 8 killed in the crash
CHLDPAS_SUSP_SERIOUS _INJ_COUNT	Total child passengers under the age of 8 with suspected serious injuries
COLLISION_TYPE	Collision category that defines the crash 0 – Non-collision 1 – Rear-end 2 – Head-on 3 – Backing 4 – Angle 5 – Sideswipe (same dir.) 6 – Sideswipe (Opposite dir.) 7 – Hit fixed object 8 – Hit pedestrian 9 – Other/Unknown (Expired)

	98 – Other 99 - Unknown
COMM_VEH_COUNT	Total Commercial vehicles involved
CONS_ZONE_SPD_LIM	Speed limit for the Construction Zone
COUNTY	County Code Number where crash occurred 67 - Philadelphia
CRASH_MONTH	Month when the crash occurred
CRASH_YEAR	Year when the crash occurred
CRN	Crash Record Number - the primary key of the crash datasets
DAY_OF_WEEK	Day of the Week code when crash occurred 1 – Sunday 2 – Monday 3 – Tuesday 4 – Wednesday 5 – Thursday 6 – Friday 7 - Saturday 9 – Unknown
DEC_LAT	Decimal format of the Latitude
DEC_LONG	Decimal format of the Longitude
DISPATCH_TM	Time police were dispatched to the scene
DISTRICT	District Number where crash occurred (Based on County) 6 - Bucks, Chester, Delaware, Montgomery, Philadelphia Counties
DRIVER_COUNT_16YR	Total amount of 16-year-old drivers
DRIVER_COUNT_17YR	Total amount of 17-year-old drivers
DRIVER_COUNT_18YR	Total amount of 18-year-old drivers
DRIVER_COUNT_19YR	Total amount of 19-year old drivers
DRIVER_COUNT_20YR	Total amount of 20-year-old drivers
DRIVER_COUNT_50_64YR	Total amount of 50 to 64-year-old drivers

DRIVER_COUNT_65_74YR	Total amount of 65 to 74-year-old drivers
DRIVER_COUNT_75PLUS	Total amount of drivers ages 75 and up
EST_HRS_CLOSED	Estimated hours roadway was closed
FATAL_COUNT	Total amount of fatalities involved
HEAVY_TRUCK_COUNT	Total amount of Heavy Trucks involved
HORSE_BUGGY_COUNT	Total Number of Horse and Buggy Units involved in the Crash
HOUR_OF_DAY	The hour of Day when the crash occurred 00 to 23
ILLUMINATION	Code that defines lighting at crash scene 1 – Daylight 2 – Dark – no streetlights 3 – Dark – streetlights 4 – Dusk 5 – Dawn 6 – Dark – unknown roadway lighting 8 – Other 9 – Unknown
INJURY_COUNT	Total count of all injuries sustained
INTERSECT_TYPE	Code that defines the Intersection Type 00 – Mid-block 01 – Four-way intersection 02 – “T” intersection 03 – “Y” intersection 04 – Traffic Circle/Roundabout (EXPIRED 1/1/18) 05 – Multi-leg intersection 06 – Ramp End 07 – Ramp Begin 08 – Crossover 09 – Railroad crossing 10 – Other 11 – “L” Intersection 12 – Traffic Circle 13 - Roundabout 99 – Unknown
INTERSECTION_RELATED	Was this midblock crash related to a nearby Intersection? 1=Y, 0 = N
LANE_CLOSED	Was there a lane closure? (Y/N) 1=Y, 0 = N

LATITUDE	GPS Latitude determined by PennDOT
LN_CLOSE_DIR	Direction of traffic in closed lane (s) 1 – North 2 – South 3 – East 4 – West 5 – North and South 6 – East and West 7 – All (N,S,E,W)
LOCATION_TYPE	Code that defines the crash location 0 – Not applicable 1 – Underpass 2 – Ramp 3 – Bridge 4 – Tunnel 5 – Toll Booth 6 – Cross over related 7 – Driveway or Parking Lot 8 – Ramp and bridge 99 – Unknown
LONGITUDE	GPS Longitude determined by PennDOT (in negative degrees)
MAX_SEVERITY_LEVEL	Injury severity level of the crash 0 – Property Damage Only 1 – Fatal 2 – Suspected Serious Injury 3 – Suspected Minor Injury 4 – Possible Injury 8 – Injury – Unknown Severity 9 – Unknown if Injured
MCYCLE_DEATH_COUNT	Total amount of Motorcyclist fatalities
MCYCLE_ SUSP_SERIOUS _INJ_COUNT	Total amount of Motorcyclist Suspected Serious Injuries
MOTORCYCLE_COUNT	Total amount of Motorcycles Involved
MUNICIPALITY	Municipality Code For a list of them, see here
NONMOTR_COUNT	Total number of Non-motorists involved in the crash
NONMOTR_DEATH_COUNT	Total number of Non-motorists killed in the crash
NONMOTR_SUSP_SERIOUS _INJ COUNT	Total number of Non-motorists with suspected serious injures in the crash

NTFY_HIWY_MAINT	PENNDOT highway maintenance notified? 1=Y, 0 = N
PED_COUNT	Total Pedestrians involved
PED_DEATH_COUNT	Total Pedestrian fatalities
PED_ SUSP_SERIOUS _INJ_COUNT	Total Pedestrians with an Injury Severity of “Suspected Serious Injury”
PERSON_COUNT	Total People involved
POLICE_AGCY	Code of the Reporting Police Agency For a list see here
POSSIBLE_INJ_COUNT	Total number of People with an injury severity of “Possible Injury”
RDWY_SURF_TYPE_CD	Code for the Roadway surface type –only for fatal crashes 1 - Concrete 2 - Blacktop 3 - Brick or Block 4 - Slag, Gravel, or Stone 5 - Dirt 8 - Other 9 - Unknown
RELATION_TO_ROAD	Code for the crash’s relativity to the road 1 – On roadway 2 – Shoulder 3 – Median 4 – Roadside (off trafficway; on vehicle area) 5 – Outside trafficway (in area not meant for vehicles) 6 – In parking lane 7 – Gore (intersection of ramp and highway) 9 – Unknown
ROAD_CONDITION	Roadway Surface Condition Code 01 - Dry 02 - Ice/Frost 03 - Mud, Dirt, Gravel 04 - Oil 05 - Sand 06 - Slush 07 - Snow 08 - Water (Standing or Moving) 09 - Wet 22 - Mud, Sand, Dirt, Oil (Expired 1-1-20) 98 - Other 99 - Unknown

ROADWAY_CLEARED	Time the roadway was opened to traffic 0000-2359 or 9999
SCH_BUS_IND	Did the crash involve a School Bus? (Y/N) 1=Y, 0 = N
SCH_ZONE_IND	Did the crash occur in a School Zone? (Y/N) 1=Y, 0 = N
SECONDARY_CRASH	Was this crash caused at least in part to a prior crash? 1=Y, 0 = N
SMALL_TRUCK_COUNT	Total amount of Small Trucks involved
SPEC_JURIS_CD	Code that defines any special jurisdiction – only for fatal crashes
SUSP_MINOR_INJ_COUNT	Total number of People with an injury severity of Suspected Minor Injury
SUSP_SERIOUS_INJ_COUNT	Total number of People with an injury severity of Suspected Serious Injury
SUV_COUNT	Total count of sport utility vehicles involved
TCD_FUNC_CD	Code for Traffic Control Device state 0 – No Controls 1 – Device not Functioning 2 – Device Functioning improperly 3 – Device Functioning properly 4 – Emergency Preemptive Signal 9 – Unknown
TCD_TYPE	Code that defines the Traffic Control Device 0 – Not applicable 1 – Flashing traffic signal 2 – Traffic signal 3 – Stop sign 4 – Yield sign 5 – Active RR crossing controls 6 – Passive RR crossing controls 7 – Police officer or flagman 8 – Other Type TCD 9 – Unknown
TFC_DETOUR_IND	Was Traffic Detoured? (Y/N) 1=Y, 0 = N
TIME_OF_DAY	The Time of Day When the Crash Occurred 0000 through 2359
	Count of total injuries sustained by persons

TOT_INJ_COUNT	involved in this crash. Does not include fatal injuries.
TOTAL_UNITS	Total count of all Vehicles and Pedestrians
UNB_DEATH_COUNT	No. of people killed not wearing a seatbelt
UNB_SUSP_SERIOUS _INJ_COUNT	Total # of unbelted sustaining Suspected Serious Injuries
UNBELTED_OCC_COUNT	Total count of all unbelted occupants
UNK_INJ_DEG_COUNT	No. of injuries with unknown severity
UNK_INJ_PER_COUNT	No. of people that are unknown if injured
URBAN_RURAL	Code to classify crash as Urban or Rural 1= Rural, 2=Urbanized, 3=Urban
VAN_COUNT	Total amount of vans involved
VEHICLE_COUNT	Total number of all motor vehicles involved in the crash
WEATHER1	Code for the first weather condition at time of crash 01 - Blowing Sand, Soil, Dirt 02 - Blowing Snow 03 - Clear 04 - Cloudy 05 - Fog, Smog, Smoke 06 - Freezing Rain or Freezing Drizzle 07 - Rain 08 - Severe Crosswinds 09 - Sleet or Hail 10 - Snow 98 - Other 99 - Unknown
WEATHER2	Code for the second weather condition at time of crash 01 - Blowing Sand, Soil, Dirt 02 - Blowing Snow 03 - Clear 04 - Cloudy 05 - Fog, Smog, Smoke 06 - Freezing Rain or Freezing Drizzle 07 - Rain 08 - Severe Crosswinds 09 - Sleet or Hail
WORK_ZONE_IND	Did the crash occur in a work zone

	1=Y, 0 = N
WORK_ZONE_LOC	The Work Zone Location Code 1 – Before the 1st work zone warning sign 2 – Advance warning area 3 – Transition area 4 – Activity area 5 – Termination area 8 – Other
WORK_ZONE_TYPE	Code to define the type of Work Zone 1 – Construction 2 – Maintenance 3 – Utility company 8 - Other
WORKERS_PRES	Were construction personnel present? 1=Y, 0 = N
WZ_CLOSE_DETOUR	Was traffic rerouted due to work zone? 1=Y, 0 = N
WZ_FLAGGER	Did Work zone have a flagman? 1=Y, 0 = N
WZ_LAW_OFFCR_IND	Did Work zone have a patrolman? 1=Y, 0 = N
WZ_LN_CLOSURE	Did Work zone have a lane closure? 1=Y, 0 = N
WZ_MOVING	Was there moving work in the zone? 1=Y, 0 = N
WZ_OTHER	Was this a special type of work zone? 1=Y, 0 = N
WZ_SHLDER_MDN	Was a median/shoulder in the zone? 1=Y, 0 = N
WZ_WORKERS_INJ_KILLED	Were any Work Zone workers injured or killed as a result of this crash? 1=Y, 0 = N
FIPS	GEOID used by the US Census Bureau to identify land based on population. The following GEOIDS are at the level of census block group. For more information on how this works, see this link or this link.

crash_info_commericial_vehicles.csv — (7967 rows x 26 columns) — size: 90.3 Kb

Dataset Overview: Information related to car crashes with commercial vehicles in Philadelphia from 2010-2021.

Feature	Short Description
AXLE_CNT	Number of axles on the vehicle
CARGO_BD_TYPE	Code for the Cargo Carrier's Body Type 0 – Not Applicable 1 – Van/Enclosed Box 2 – Cargo Tank 3 – Flat Bed 4 – Dump 5 – Concrete Mixer 6 – Auto Transport 7 – Garbage/Refuse 8 – Bus 9 – Unknown (Expired 1-1-2022) 10 – Grain/Chips/Gravel 11 – Intermodal Container Chassis 12 – Log/Pole Carrier 13 – Vehicle Towing Another Vehicle 98 - Other 99 – Unknown
CARRIER_ADDR1	Address of Carrier
CARRIER_ADDR2	Address of Carrier line 2
CARRIER_CITY	City of Carrier
CARRIER_NM	Name of the Carrier
CARRIER_STATE	State of Carrier
CARRIER_ZIP	Zip Code of Carrier
CARRIER_TEL	Telephone of Carrier
CRN	Crash Record Number - the primary key of the crash datasets
GVWR	Gross vehicle weight rating
HAZMAT_CD1	Hazmat Code for material one onboard 0 - Not Applicable - No Hazardous Material 1 - Explosives 2 - Gases - Compressed or Dissolved or Refrigerated 3 - Flammable Liquid 4 - Flammable Solids - Combustible or Water

	Reactive 5 - Oxidizing Substances - Organic Peroxides 6 - Poisonous (toxic) and Infectious Substances 7 - Radioactive Material 8 - Corrosives 9 - Miscellaneous Dangerous Goods U - Unknown if any Hazardous Material Present
HAZMAT_CD2	Hazmat Code for material two onboard 0 - Not Applicable - No Hazardous Material 1 - Explosives 2 - Gases - Compressed or Dissolved or Refrigerated 3 - Flammable Liquid 4 - Flammable Solids - Combustible or Water Reactive 5 - Oxidizing Substances - Organic Peroxides 6 - Poisonous (toxic) and Infectious Substances 7 - Radioactive Material 8 - Corrosives 9 - Miscellaneous Dangerous Goods U - Unknown if any Hazardous Material Present
HAZMAT_CD3	Hazmat Code for material three onboard 0 - Not Applicable - No Hazardous Material 1 - Explosives 2 - Gases - Compressed or Dissolved or Refrigerated 3 - Flammable Liquid 4 - Flammable Solids - Combustible or Water Reactive 5 - Oxidizing Substances - Organic Peroxides 6 - Poisonous (toxic) and Infectious Substances 7 - Radioactive Material 8 - Corrosives 9 - Miscellaneous Dangerous Goods U - Unknown if any Hazardous Material Present
HAZMAT_CD4	Hazmat Code for material four onboard 0 - Not Applicable - No Hazardous Material 1 - Explosives 2 - Gases - Compressed or Dissolved or Refrigerated 3 - Flammable Liquid 4 - Flammable Solids - Combustible or Water Reactive

	5 - Oxidizing Substances - Organic Peroxides 6 - Poisonous (toxic) and Infectious Substances 7 - Radioactive Material 8 - Corrosives 9 - Miscellaneous Dangerous Goods U - Unknown if any Hazardous Material Present
HAZMAT_IND	Yes/No indicator for Hazmat on board 1=Y, 0 = N
HAZMAT_REL_IND1	Yes/No indicator for Hazmat one released 1=Y, 0 = N
HAZMAT_REL_IND2	Yes/No indicator for Hazmat two released 1=Y, 0 = N
HAZMAT_REL_IND3	Yes/No indicator for Hazmat three released 1=Y, 0 = N
HAZMAT_REL_IND4	Yes/No indicator for Hazmat four released 1=Y, 0 = N
ICC_NUM	Interstate commercial carrier number
OSIZE_LOAD_IND	Oversize load indicator 1=Y, 0 = N
PUC_NUM	PA Utility Commission Number
UNIT_NUM	Unit number of the vehicle in the crash event
USDOT_NUM	US Dept of Transportation Number
VEH_CONFIG_CD	Vehicle Configuration Code 00 – Not Applicable 01 - Passenger Car Record if Hazmat Placard displayed 02 – Light Truck (Van, Minivan, Panel, PU, SUV w/Hazmat 03 – Single Unit Truck (2 Axles, 6 Tires) 04 – Single Unit Truck (3 or more Axles) 05 – Single Unit Truck (Unknown Number of Axles) 06 – Truck/Trailer 07 - Truck Tractor (Bobtail) 08 – Tractor/Semi-Trailer 09 – Medium Heavy Truck- Cannot Classify 10 – Minibus

	11 – Bus (Seats more than 15 People, Including the Driver (expired 1-1-20) 12 – School Bus 13 – Transit Bus 14 – Motor Coach 15 – Other Bus 98 – Other 99 - Unknown

crash_info_motorocycle.csv — (8484 rows x 25 columns) — size: 395.0 Kb

Dataset Overview: Information related to car crashes with motorcycles in Philadelphia from 2010-2021.

Feature	Short Description
CRN	Crash Record Number - the primary key of the crash datasets
MC_ENGINE_SIZE	Motorcycle engine size (cc)
MC_PASSNGR_IND	Did the Motorcycle have a passenger?
MC_BAG_IND	Did the Motorcycle have Side bags?
CRN	Crash Record Number
MC_ENGINE_SIZE	Motorcycle engine size (cc)
MC_TRAIL_IND	Did the Motorcycle have Trailer?
MC_DVR_EDC_IND	Did Motorcycle Driver have safety training?
MC_DVR_EYEPRT_IND	Did Motorcycle Driver wear Eye Protection?
MC_DVR_LNGSLV_IND	Did Motorcycle Driver have Long sleeves?
MC_DVR_LNGPNTS_IND	Did Motorcycle Driver wear Long pants?
MC_DVR_BOOTS_IND	Did Motorcycle Driver wear Boots?
MC_DVR_HLMTON_IND	Did Motorcycle Driver wear Helmet?
MC_DVR_HLMTDOT_IND	Was Driver’s Helmet PENNDOT certified?
MC_DVR_HLMT_TYPE	Code for Helmet type of the Motorcycle Driver

MC_PAS_EYEPRT_IND	Did Motorcycle passenger wear Eye Protection?
MC_PAS_LNGSLV_IND	Did Motorcycle passenger have Long sleeves?
MC_PAS_LNGPNTS_IND	Did Motorcycle passenger wear long pants?
MC_PAS_BOOTS_IND	Did Motorcycle passenger wear Boots?
MC_PAS_HLMTON_IND	Did Motorcycle passenger wear a Helmet?
MC_PAS_HLMTDOT_IND	Was passenger's helmet PENNDOT cert.?
MC_PAS_HLMT_TYPE	Code for Helmet type of the Motorcycle pass.
PC_PASSNGR_IND	Did the Pedal cycle have a passenger ?
PC_HDLGHT_IND	Did the Pedal cycle have a Headlight
PC_HLMT_IND	Did Pedal cycle driver wear a helmet?
PC_REAR_RFLTR_IND	Did Pedal cycle have a Rear Reflector?
UNIT_NUM	Unit number of the vehicle in the crash event

crash_info_people.csv — (370877 rows x 27 columns) — size: 25.9 Kb

Dataset Overview: Information related to the people in car crashes in Philadelphia from 2010-2021.

Feature	Short Description
AGE	AGE of Person
AIRBAG_PADS	Airbag deployment for motor vehicle occupant or bicycle/motorcycle protective gear 00 - None used or not applicable 05 - Motorcycle eye protection 06 - Bicyclist wearing elbow, knee or other pads 08 – Airbag(s) Deployed 09 – Airbag(s) Not Deployed 13 - Air bag removed (prior to crash) 19 - Unknown if air bag deployed 99 - Unknown
AIRBAG1 – AIRBAG4	Airbag(s) that were deployed for this person

	00 – Not Deployed 01 – Curtain 02 – Front 03 – Side 04 – Other 98 – Not Applicable M – Multiple (unspecified)
CLOTHING_TYPE	Clothing Type – Only for Pedestrians 1 - Light 2 - Dark 3 - Reflective 9 - Unknown
CRN	Crash Record Number - the primary key of the crash datasets
DVR_LIC_STATE	State of Licensed Driver
DVR_PED_CONDITION	Driver Pedestrian Condition Code 1 – Apparently Normal 2 – Had Been Drinking 3 – Illegal Drug Use 4 – Sick 5 – Fatigue 6 – Asleep 7 – Medication 9 - Unknown
EJECT_PATH_CD	Ejection Path Code– Only for vehicle occupants 0 - Not Ejected / Not Applicable 1 - Through side door opening 2 - Through side window 3 - Through windshield 4 - Through back door 5 - Through back door tailgate opening 6 - Through roof opening sunroof or Convertible top down 7 - Through roof opening (Convertible Top Up) 8 - From Vehicle Exterior 9 - Unknown
EXTRIC_IND	Extrication Indicator– Only for vehicle occupants 0 - Not applicable 1 - Not extricated 2 - Extricated by mechanical means 3 - Freed by non-mechanical means

	8 - Other
*INJ_SEVERITY	Injury Severity Code 0 - Not injured 1 - Killed 2 – Suspected Serious injury 3 – Suspected Minor injury 4 – Possible Injury 8 - Injury/ Unknown Severity 9 - Unknown if Injured
PED_LOCATION	Pedestrian Location Code 01 - Marked crosswalks at intersection 02 - At intersection: no crosswalks 03 - Non-intersection - crosswalks 04 - Driveway access 05 - In Roadway 06 - Not in Roadway 07 - Median 08 - Island 09 - Shoulder 10 - Sidewalk 11 - Less than 10 feet off road 12 - Greater than 10 feet off road 13 - Outside Trafficway 14 - Shared Paths or Trails 99 - Unknown
PED_SIGNAL	Pedestrian Signal Indicator 1 - Pedestrian signal 2 - No pedestrian signal 3 - Not at intersection 9 - Unknown
PERSON_NUM	Person Number – Sequential per Unit
PERSON_TYPE	Person Type Code 1 - Driver 2 - Passenger 7 - Pedestrian 8 - Other 9 – Unknown
RESTRAINT_HELMET	Restraint or Helmet
SEAT_POSITION	Seat in unit where person sat 00 - Not a passenger or occupant 01 - Driver - all vehicles 02 - Front seat middle position 03 - Front seat right side 04 - Second row - left side or motorcycle passenger

	05 - Second row - middle position 06 - Second row - right side 07 - Third row - left side 08 - Third row - middle position 09 - Third row - right side 10 - Sleeper section of truck cab 11 - In other enclosed passenger or cargo area 12 - In open area (back of pickup etc.) 13 - Trailing unit 14 - Riding on vehicle exterior 15 - Bus passenger 21 Fourth Row – Left Side 22 Fourth Row – Middle Position 23 Fourth Row – Right Side 24 Other Row – Left Side 25 Other Row – Middle Position 26 Other Row – Right Side 27 Unknown Row – Left Side 28 Unknown Row – Middle Position 29 Unknown Row – Left Side 98 - Other 99 - Unknown
SEX	Sex of this individual F - Female M - Male U - Unknown
TRANSPORTED	Transported to medical facility Y/N
UNIT_NUM	Unit number of the vehicle (or pedestrian) assigned to this person

crash_info_roadway.csv — (232152 rows x 13 columns) — size: 12.7 Mb

Dataset Overview: Roadway information related to car crashes in Philadelphia from 2010-2021.

Feature	Short Description
ACCESS_CTRL	Access Control Code– only for state roads 1 - Limited Access 2 - Partial Access 3 - No Access Contro
ADJ_RDWY_SEQ	Adjusted Roadway Sequence Number
	Crash Record Number - the primary key of

CRN	the crash datasets
LANE_COUNT	Travel Lane Count (Both Directions for Non- divided roads. Single Direction for Divided Highways)
OFFSET	Offset (in feet) within the Segment – only for state roads
RDWY_COUNTY	Roadway County Code (could differ from County of Crash)
RDWY_ORIENT	Roadway Orientation Code E - East N - North S - South U - Unknown W - West
RDWY_SEQ_NUM	Crash Roadway Sequence Number
ROAD_OWNER	Roadway maintained by state, local or private jurisdiction. 1 - Interstate – (non-turnpike) 2 - State highway 3 - County road 4 - Local road or street 5 - East-West portion of turnpike 6 - Turnpike spur (extension) 7 - Private Road 9 - Other or Unknown
ROUTE	Route Number – only for state roads
SEGMENT	Segment Number– only for state roads
SPEED_LIMIT	Speed Limit
STREET_NAME	Name of the Roadway

crash_info_trailed_vehicles.csv — (2645 rows x 7 columns) — size: 92.4 Kb

Dataset Overview: Information related to the trailers in car crashes in Philadelphia from 2010-2021.

Feature	Short Description
CRN	Crash Record Number - the primary key of the crash datasets
TRL_SEQ_NUM	Trailer Sequence Number

TRL_VEH_REG_STATE	Trailer Registration State. See list of state codes here.
TRL_VEH_TAG_NUM	Trailer Registration Tag Number
TRL_VEH_TAG_YR	Trailer Registration Year
TRL_VEH_TYPE_CD	Trailer Type Code 1 - Passenger vehicle 2 - Truck 3 - Utility trailer 4 - Mobile or modular home 5 - Camper 6 - Trailer 7 - Semi-trailer 8 - Other 9 - Unknown
UNIT_NUM	Unit Number of the vehicle the trailer is associated with

crash_info_flag_variables.csv — (133013 rows x 111 columns) — size: 31.2 Mb

Dataset Overview: General information related to car crashes in Philadelphia from 2010-2021 but encoded with flag variables. ***All features except CRN are binary variables where 0 = No, 1 = Yes.***

Feature	Short Description
AGGRESSIVE_DRIVING	At Least one Aggressive Driver Action
ALCOHOL_RELATED	At Least one Driver or Pedestrian with reported or suspected Alcohol Use
ANGLE_CRASH	First Harmful Event involved a vehicle striking another at an angle
ATV	Crash involved at least one All-Terrain-Vehicle (ATV).
BACKUP_PRIOR	Indicates that traffic was backed up due to a prior crash
BACKUP_NONRECURRING	Indicates that traffic was backed up due to a Nonrecurring special event
BACKUP_CONGESTION	Indicates that traffic was backed up due to normal congestion

BICYCLE	A Bicycle was involved
CELL_PHONE	Driver Using Cell Phone (Hand Held or Hands Free)
CHILD_PASSENGER	The Crash involved at least one vehicle passenger under the age of 12.
COMM_VEHICLE	Crash has at least one involved Commercial Vehicle
CORE_NETWORK	Crash took place on a Core Network Roadway.
CRN	Crash Record Number - the primary key of the crash datasets
CROSS_MEDIAN	At least one unit Crossed a Median
CURVE_DVR_ERROR	At Least one Driver Action Involving Curve Negotiation
CURVED_ROAD	Curve in Road
DEER_RELATED	Deer Struck or Deer in Roadway
DISTRACTED	At Least one Driver Action Indicating a Distraction
DRINKING_DRIVER	At least one Drinking Driver
DRIVER_16YR	At Least one Driver 16 Years of Age
DRIVER_17YR	At Least one Driver 17 Years of Age
DRIVER_18YR	At Least one Driver 18 Years of Age
DRIVER_19YR	At Least one Driver 19 Years of Age
DRIVER_20YR	At Least one Driver 20 Years of Age
DRIVER_50_64YR	At Least one Driver 50-64 Years of Age
DRIVER_65_74YR	At Least one Driver 65-74 Years of Age
DRIVER_75PLUS	At Least one Driver 75 plus Years of Age
DRUG_RELATED	Indicates either a motor vehicle driver or non-motorist (such as a bicyclist or pedestrian) had a condition of drug use or was suspected of drug use by police or had a positive drug test result indicating

	presence of a controlled substance. (Definition changed May 2022)
DRUGGED_DRIVER	Indicates any motor vehicle driver had a condition of drug use or was suspected of drug use by police or had a positive drug test result indicating presence of a controlled substance. (Definition changed May 2022)
FATAL	At Least one Fatality
FATAL_OR_SUSP_SERIOUS_INJ	The crash has at least one person who was killed or sustained a Suspected Serious Injury
FATIGUE_ASLEEP	At Least one Driver with a Condition listed Fatigued or Asleep
FIRE_IN_VEHICLE	At least one Vehicle with Fire Damage
HAZARDOUS_TRUCK	At least one Heavy Truck carrying Hazardous Material
HIT_BARRIER	At Least one Unit Hit a Barrier
HIT_BRIDGE	At Least one Unit Hit a Bridge
HIT_DEER	At Least one Unit Hit a Deer
HIT_EMBANKMENT	At Least one Unit Hit an Embankment
HIT_FIXED_OBJECT	Crash Description of Hit Fixed Object
HIT_GDRAIL	At Least one Unit Hit a Guide Rail
HIT_GDRAIL_END	At Least one Unit Hit a Guide Rail End
HIT_PARKED_VEHICLE	At least one Legally or Illegally Parked Vehicle was struck
HIT_POLE	At Least one Unit Hit a Pole
HIT_TREE_SHRUB	At Least one Unit Hit a Tree or Shrub
HO_OPPDIR_SDSWP	Crash Description of Head-on or Opposite Direction Sideswipe
HORSE_BUGGY	At least one Horse and Buggy Unit involved

HVY_TRUCK_RELATED	At Least one Heavy Truck was involved
ICY_ROAD	Icy Road Indicator
ILLEGAL_DRUG_RELATED	At Least one Driver or Pedestrian had reported or suspected Illegal Drug Use
ILLUMINATION_DARK	Illumination Indicates that the Crash Scene Lighting was Dark
IMPAIRED_DRIVER	At least one Driver was Impaired by Drugs or Alcohol
INJURY	At least one Person Was Injured in the Crash
INJURY_OR_FATAL	At least one Person was Injured or Killed in the Crash
INTERSECTION	Crash took place at an Intersection
INTERSTATE	Crash took place on a Non-Turnpike Interstate
LANE_DEPARTURE	The crash had an indication that at least one vehicle departed their lane of travel during the crash events
LEFT_TURN	The crash had at least 1 unit that performed a left turn movement.
LIMIT_65MPH	The Crash took place on a roadway that had a posted Speed limit of 65 Miles Per Hour
LIMIT_70MPH	The Crash took place on a roadway that had a posted Speed limit of 70 Miles Per Hour
LOCAL_ROAD	The crash involved at least one Local Road
LOCAL_ROAD_ONLY	The crash involved only Local Roadway
MARIJUANA_DRUGGED_DRIVER	The crash involved at least 1 driver who tested positive for the presence of marijuana
MARIJUANA_RELTAED	The crash involved at least 1 driver, pedestrian, or other non-motorist who tested positive for the presence of marijuana
MATURE_DRIVER	The crash involved at least 1 driver over the age of 65

MC_DRINKING_DRIVER	At least one Motorcycle driver has reported or suspected Alcohol Use
MOTORCYCLE	The crash involved at least one Motorcycle
MULTIPLE_VEHICLE	Crash involved at least 2 vehicles
NHTSA_AGG_DRIVING	The Crash meets the NHTSA definition of Aggressive Driving
NON_INTERSECTION	The crash did not take place at an Intersection
NO_CLEARANCE	At least one unit proceeded without clearance after a stop.
OPIOID_RELATED	At least one Driver or Non-Motorist was suspected of drug use and tested positive for opioids
OTHER_FREEWAY	Indicates that the crash took place on a non-turnpike/non-interstate freeway
OVERTURNED	The crash involved at least one Overturned Vehicle
PEDESTRIAN	The crash involved at least one Pedestrian, or Pedestrian Converyance
PHANTOM_VEHICLE	The crash involved at least one Unit that contributed to the crash but did not have any harmful events.
POSSIBLE_INJURY	The crash has at least one person who sustained a Possible Injury
PROPERTY_DAMAGE_ONLY	The crash did not have any injuries or fatalities
PSP_REPORTED	Crash Investigated by the Pennsylvania State Police
RAMP	The crash involved an interchange ramp
REAR_END	Crash Description of Rear End
ROUNDABOUT	The crash took place at a modern roundabout intersection.
RUNNING_RED_LT	At least one Driver Ran a Red Light
RUNNING_STOP_SIGN	At least one Driver Ran a Stop Sign
RURAL	Crash took place in a rural municipality

SCHOOL_BUS	The crash involved at least one School Bus
SCHOOL_BUS_UNIT	The crash involved at least one School Bus Unit with a harmful event
SCHOOL_ZONE	The crash took place in a School Zone
SHLDR_RELATED	Shoulder Related Indicator
SIGNALIZED_INT	The crash took place at a Signalized Intersection
SINGLE_VEHICLE	The crash involved a single vehicle
SNOW_SLUSH_ROAD	The crash involved a Snow or Slush covered Road
SNOWMOBILE	Crash involved at least one Snowmobile Unit
SPEEDING	At least one vehicle was Speeding
SPEEDING_RELATED	At least one vehicle was Speeding, Racing or was Driving too fast for conditions
STATE_ROAD	The crash involved at least one State Owned Road
STOP_CONTROLLED_INT	The crash took place at a Stop Controlled Intersection
SUDDEN_DEER	The crash involved a Deer in the Roadway
SUSPECTED_MINOR_INJURY	The crash has at least one person who sustained a Suspected Minor Injury
SUSPECTED_SERIOUS_INJURY	The crash has at least one person who sustained a Suspected Serious Injury
SV_RUN_OFF_RN	Single Vehicle Run Off Road
TAILGATING	At least one Driver was Tailgating or Following too closely
TRAIN	The crash involved a Train
TRAIN_TROLLEY	The crash involved a Train or Trolley
TROLLEY	The crash involved a Trolley
TURNPIKE	The crash took place on the Turnpike or a

	Turnpike Spur
UNBELTED	Anyone in crash unbelted? (applicable vehicles only)
UNDERAGE_DRNK_DRV	The crash involved at least one Under Age Drinking Driver
UNLICENSED	The crash involved at least one Unlicensed Driver
UNSIGNALIZED_INT	The crash took place at an Unsignalized Intersection
URBAN	The crash took place in an Urban municipality
VEHICLE_FAILURE	The crash involved at least one Vehicle Failure that contributed to the crash
VEHICLE_TOWED	At least one Vehicle was towed from the scene
VULNERABLE_ROADWAY_USER	The crash involved at least 1 vulnerable roadway user (pedestrian, pedestrian conveyance, bicyclist)
VULNERABLE_ROADWAY_USER_FATAL	The crash involved at least 1 fatality to a vulnerable roadway user
WET_ROAD	Wet Road Indicator
WORK_ZONE	Work Zone Indicator
YOUNG_DRIVER	The crash involved at least 1 driver age 16-20

crash_info_vehicles.csv — (284487 rows x 31 columns) — size: 32.0 Mb

Dataset Overview: Information related to specific cars involved in car crashes in Philadelphia from 2010-2021.

Feature	Short Description
AVOID_MAN_CD	Avoidance Maneuver Code - only for fatal crashes 0 - No avoidance maneuver 1 - Braking - skid marks evident 2 - Braking - no skid marks, driver stated

	3 - Braking - other evidence 4 - Steering - evidence or driver stated 5 - Steering and braking - evidence or stated 6 - Other avoidance maneuver 7 - Inconclusive
BODY_TYPE	Body Type Code 01 - Convertible 02 - 2-Door sedan, hardtop or coupe 03 - 3-Door hatch back 04 - 4-Door sedan or hardtop 05 - 5-Door sedan or hatch back 06 - Station wagon. Excluding van and truck-based 08 - Other automobile type 09 - Unknown automobile type 10 - Automobile-based pickup 11 - Automobile-based panel truck 12 - Compact utility e.g. Tracker; Cherokee; etc. 13 - Large limousine 14 - 3-wheel automobile or auto derivative 15 - Large utility; Tahoe; Range Rover; Etc. 16 - Utility Station Wagon 19 - Unknown utility style body type 20 - Motorcycle 21 - Moped 22 - Three-wheeled motorcycle or moped 23 - Off-road motorcycle 24 - ATV - all terrain vehicle 25 - Mini-bike or motor scooter 28 - Other motorcycle type 29 - Unknown motorcycle type 30 - School bus 31 - Cross country or inner-city bus (i.e. Greyhound bus) 32 - Transit bus 38 - Other bus 39 - Unknown bus 40 - Mini-van 41 - Large van 42 - Step-in or walk-in van 43 - Van-based motor home 44 - Van-based school bus 45 - Van-based transit bus 48 - Other type van 49 - Unknown van type 50 - Compact pickup 51 - Standard pickup 52 - Pickup with slide in camper

	53 - Convertible pickup 58 - Other pickup type 59 - Unknown pickup type 60 - Cab chassis-based (includes light stake, dump, tow trucks) 61 - Truck-based panel 62 - Light truck-based motor home 68 - Other light conventional truck 69 - Unknown light truck 70 - Single unit straight truck (10000<="19500) 71 - Single unit straight truck (19500<="26000) 72 - Single unit straight truck (GVWR>26000) 73 - Single unit straight truck (GVWR unknown) 74 - Medium or heavy truck-based motor home 75 - Truck tractor with or without trailers 76 - Big step van 78 - Camper or motor home unknown truck type 79 - Unknown heavy truck 80 - Snowmobile 81 - Farm equipment other than trucks 82 - Construction equipment other than trucks 88 - Other type special vehicles 90 - Unicycle or bicycle or tricycle 91 - Other pedal cycle 92 - Horse and Buggy 93 - Horse and rider 94 - Train 95 - Trolley 98 - Other body type 99 - Unknown body type
COMM_VEH	Commercial Vehicle Indicator N=No U=Unknown Y=Yes
CRN	Crash Record Number - the primary key of the crash datasets
DAMAGE_IND	Damage Indicator 0 – None 1 – Minor (Drivable) 2 - Functional (mod. - may be undrivable 3 – Disabling (severe – not drivable) 9 – Unknown
DVR_PRES_IND	Driver presence indicator

	1 – Apparently Normal 2 – Had Been Drinking 3 – Illegal Drug Use 4 – Sick 5 – Fatigue 6 – Asleep 7 – Medication 9 - Unknown
EMERG_VEH_USE_CD	Special Vehicle use code– only for fatal crashes 0 – Not in Emergency Use 1 – Lights Flashing 2 – Siren Sounding 3 – Both Lights and Siren 9 – Unknown
GRADE	Grade Code 1 – Level Roadway 2 - Uphill 3 - Downhill 4 - Sag or bottom of hill 5 - Crest or top of hill 9 - Unknown
IMPACT_POINT	Initial Impact Point 00 - Non-collision 01 - 1 O-Clock Position 02 - 2 O-Clock Position 03 - 3 O-Clock Position 04 - 4 O-Clock Position 05 - 5 O-Clock Position 06 - 6 O-Clock Position 07 - 7 O-Clock Position 08 - 8 O-Clock Position 09 - 9 O-Clock Position 10 - 10 O-Clock Position 11 - 11 O-Clock Position 12 - 12 O-Clock Position 13 - Top 14 - Undercarriage 15 - Towed Unit 99 - Unknown
INS_IND	Insurance Indicator Y/N 0=No & 1=Yes

MAKE_CD	Make Code See vehicle make table listing here
MODEL_YR	Model Year of the Vehicle
OWNER_DRIVER	Was the vehicle owned by the Driver? If not, who owns the vehicle? 00 Not Applicable 01 Private Vehicle Owned/Leased by Driver 02 Private Vehicle Not Owned/Leased by Driver 03 Rented Vehicle 04 State Police Vehicle 05 PennDOT Vehicle 06 Other State Gov Veh 07 Municipal Police Vehicle 08 Other Municipal Government Vehicle 09 Federal Gov Veh 98 Other 99 Unknown
PARTIAL_VIN	Vehicle Identification Number (First Eleven characters)
PEOPLE_IN_UNIT	Total People in Unit
PRIN_IMP_PT	Principle Impact Point – only for fatal crashes 00 - Non-collision 01 - 1 O-Clock Position 02 - 2 O-Clock Position 03 - 3 O-Clock Position 04 - 4 O-Clock Position 05 - 5 O-Clock Position 06 - 6 O-Clock Position 07 - 7 O-Clock Position 08 - 8 O-Clock Position 09 - 9 O-Clock Position 10 - 10 O-Clock Position 11 - 11 O-Clock Position 12 - 12 O-Clock Position 13 - Top 14 - Undercarriage 15 - Towed Unit 99 - Unknown
RDWY_ALIGNMENT	Roadway Alignment Code

	1 - Straight 2 – Curved (expired 1-1-20) 3 – Curve Left 4 – Curve Right 9 - Unknown
SPECIAL_USAGE	Special Usage of the Vehicle 00 - Not applicable 01 - Fire vehicle 02 - Ambulance 03 - Police 08 - Other emergency vehicle 11 - Pupil transport 12 - Comm. passenger carrier 13 - Taxi 14 – Electronic Ride Hailing 21 - Tractor trailer 22 - Twin trailer 23 - Triple trailer 31 - Modified vehicle 41 - Motorcycle – 2-Wheeled 42 - Motorcycle – 3-Wheeled (two rear) 43 - Motorcycle – 3-Wheeled (two front) 44 - Motorcycle – Moped or Motorized Bicycle 45 - Bicycle – Electric Assist 46 - Van – Passenger (<9) 47 - Van – Passenger (9-12) 48 - Van – Passenger (15) 49 - Van - Cargo 99 - Unknown
TRAVEL_DIRECTION	Travel Direction of the vehicle E - East N - North S - South U - Unknown W - West
TRAVEL_SPD	Estimated Travel Speed
TRL_VEH_CNT	Trailing Vehicle Count
UNDER_RIDE_IND	Under Ride damage indicator– only for fatal crashes 0 - No under ride or override 1 - Under ride, compartment intrusion 2 - Under ride, no compartment intrusion 3 - Under ride, compartment intrusion unknown 4 - Override, other vehicle

	9 - Unknown if under ride or override
UNIT_NUM	Unit number assigned to the vehicle or pedestrian
UNIT_TYPE	Unit Type 01 - Motor vehicle in transport 02 - Legally parked 03 - Illegally parked 05 - Hit and run vehicle 06 - Disabled from a previous crash 11 - Non-motorized 21 - Train 31 - Pedestrian 32 -Pedestrian Conveyance (Wheelchair, etc.) 33 – Personal Delivery Device 51 - Phantom vehicle
VEH_COLOR_CD	Vehicle Color Code 01 – Blue 08- Gold 02 – Red 09 – Brown 03 – White 10 – Orange 04 – Green 11 – Purple 05 – Black 12 – Other 06 – Yellow 99 - Unknown 07 – Silver
VEH_MOVEMENT	Vehicle Movement Code 01 - Going straight 02 - Slowing or stopping in lane 03 - Stopped in traffic lane 04 - Passing or overtaking vehicle 05 - Leaving a parked position (expired 1-1-20) 06 – Parked 07 - Entering a parked position (expired 1-1-20) 08 - Trying to avoid animal, pedestrian, object, vehicle, etc. 09 - Turning right on red 10 - Turning right 11- Turning left on red 12- Turning left 13- Making a U-turn 14- Backing up 15- Changing lanes or merging 16- Negotiating Curve Right 17- Negotiating curve- left 18– Entering Traffic Lane

	19– Leaving Traffic Lane 98- Other 99- Unknown
VEH_POSITION	Vehicle Position Code 00- Not applicable (for peds.) 01 - Right lane (Curb) 02- Right turn lane 03- Left lane 04- Left turn lane 05- Two-direction center turn lane 06- Other forward moving lane 07- Oncoming traffic lane 08- Left of trafficway 09- Right of trafficway 10- HOV lane 11- Shoulder rig 12- Shoulder left 13-One lane road 14– Acceleration/Deceleration Lane 98- Other 99- Unknown
VEH_REG_STATE	Vehicle Registration State
VEH_ROLE	Vehicle Role 0– Non-Collision 1– Striking 2– Struck 3– Striking and Struck
VEH_TYPE	Vehicle Type 01- Automobile 02- Motorcycle 03- Bus 04- Small truck 05- Large truck 06- SUV 07– Van 08- Autocycle 09- ROV 10- Snowmobile 11- Farm Equipment 12- Construction Equipment 13- ATV 14– Golf Cart 15– Low Speed Vehicle 16– Large Limo 17– Motor Home (RV) 18- Other type special vehicle 19- Unknown type special vehicle

	20- Bicycle 21– Other Pedalcycle 22– Horse and buggy 23- Horse and rider 24- Train 25– Trolley 98- Other 99- Unknown
VINA_BODY_TYPE_CD	Body Type Code interpreted by VINA software MAT- All Terrain MEN- Enduro MMK- Mini Bike MMM- Mini Moto Cross MMP- Moped MMR- Mini Road / Trail MMS- Motor Scooter MMX- Moto Cross MMY- Mini Cycle MRC- Racer MRS- Road / Street MRT- Road / Trail MT- Dirt MTL- Trail / Dirt MTR- Trail P2D- Sedan 2 Dr. P2F- Formal Hardtop 2 Dr. P2H- Hatchback 2 Dr. P2L- Liftback 3 Dr. P2P- Pillard Hardtop 2 Dr. P2T- Hardtop 2 Dr. P4W- Wagon 4 Dr. P5D- Sedan 5 Dr. PAM- Ambulance PCB- Cab & Chassis (Luv) PCP- Coupe PCV- Convertible (Jeep) PHB- Hatchback PHR- Hearse PHT- Hardtop PIN- Incomplete Passenger PLB- Liftback PLM- Limousine PNB- Notchback PPK- Pickup PPN- Panel PRD- Roadster PSB- Sport Hatchback PSC- Sport Coupe T3C- 3 Dr. Extended Cab Pickup T4B- 4 Dr. Extended Cab / Chassis T4C- 4 Dr. Extended Cab Pickup T4W- 4 Dr. Wagon / Sport Utility T8V- 8 Passenger Sport Van TAC- Auto Carrier TAR- Armored Truck TBU- Bus TCB- Chassis and Cab TCC- Conventional Cab TCG- Cargo Van TCH- Crew Chassis

	TCL- Club Chassis TCM- Concrete or Transit Mixer TCR- Crane TCS- Super Cab / Chassis Pickup TCU- Custom Pickup TCV- Convertible (Jeep Commando, Suzuki Samurai,etc) TCW- Crew Pickup TCY- Cargo Cutaway TDP- Dump TDS- Truck, Tractor (diesel) TEC- Extended Cargo Van TES- Extended Sport Van TEV- Ext Van TEW- Extended Window Van TFB- Flatbed or Platform TFC- Forward Control (Land Rover) TFT- Fire Truck TGG- Garbage or Refuse TGL- Gliders TGN- Grain THO- Hopper TIC- Incomplete Chassis TIE- Incomplete External Van TLG- Logger TLL- Suburban & Carry All TMH- Motorized Home TMP- Multi-purpose TMV- Maxi Van TMW- Maxi Wagon TMY- Motorized Cutaway TPC- Club Cab Pickup TPD- Parcel Delivery TPK- Pickup TPM- Pickup with Camper mounted on bed TPN- Panel TPS- Super Cab Pickup TRD- Roadster (Jeep, Jeep Commando) TS1- one Seat TS2- Two Seat TSN- Step Van TSP- Sport Pickup TST- Stake or Rack TSV- Sports Van TSW- Station Wagon (Jeep Wagoneer, Dodge Sportsman) TTB- Tilt Cab TTL- Tilt Tandem TTM- Tandem TTN- Tank TTR- Tractor Truck (Gasoline) TUT- Utility (Blazer, Jimmy, Scout, etc.) TVC- Van Camper TVD- Display Van TVN- Van TVT- Vanette (including Metro and Handy Van) TVW- Window Van TWK- Tow Truck Wrecker TWW- Wide Wheel Wagon TXT- Travelall TYY– Cutaway