Europe Regional 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 |
| 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 2012-2022.*

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

| psa Police service area number that crime occurred in |
| --- |
| dispatch\_date\_time Datetime the police offer was dispatched |
| 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\_COUNTTotal 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\_COUNTTotal amount of Bicyclist Suspected Serious Injuries  BUS\_COUNT Total amount of Buses involved |
| CHLDPAS\_DEATH\_COUNTTotal child passengers under the age of 8 killed in the crash |
| CHLDPAS\_SUSP\_SERIOUS  \_INJ\_COUNTTotal 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 |
| DISTRICTDistrict 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\_COUNTTotal 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\_RELATEDWas 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 |
| LONGITUDEGPS 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\_COUNTTotal amount of Motorcyclist Suspected Serious Injuries |
| MOTORCYCLE\_COUNT Total amount of Motorcycles Involved |
| MUNICIPALITY Municipality Code  For a list of them, see here |
| NONMOTR\_COUNTTotal number of Non-motorists involved in the crash |
| NONMOTR\_DEATH\_COUNTTotal number of Non-motorists killed in the crash |
| NONMOTR\_SUSP\_SERIOUS Total number of Non-motorists with |

| \_INJ COUNT 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\_COUNTTotal 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\_COUNTTotal number of People with an injury severity of “Possible Injury”  RDWY\_SURF\_TYPE\_CDCode 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\_CDCode that defines any special jurisdiction – only for fatal crashes  SUSP\_MINOR\_INJ\_COUNTTotal number of People with an injury severity of Suspected Minor Injury  SUSP\_SERIOUS\_INJ\_COUNTTotal 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  involved in this crash. Does not include  TOT\_INJ\_COUNT  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\_COUNTTotal # 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\_RURALCode to classify crash as Urban or Rural 1= Rural, 2=Urbanized, 3=Urban |
| VAN\_COUNT Total amount of vans involved |
| VEHICLE\_COUNTTotal number of all motor vehicles involved in the crash |
| WEATHER1Code 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 |
| WEATHER2Code 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\_KILLEDWere 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-OxidizingSubstances-Organic  Peroxides  6-Poisonous(toxic)and Infectious  Substances  7-RadioactiveMaterial  8 - Corrosives  9 - Miscellaneous DangerousGoods  U-Unknown ifanyHazardousMaterial Present |
| --- |
| HAZMAT\_CD2HazmatCodeformaterial twoonboard 0-NotApplicable-NoHazardousMaterial  1 - Explosives  2 - Gases - Compressed or Dissolved or  Refrigerated  3 - Flammable Liquid  4 - Flammable Solids - Combustible or Water  Reactive  5-OxidizingSubstances-Organic  Peroxides  6-Poisonous(toxic)and Infectious  Substances  7-RadioactiveMaterial  8 - Corrosives  9 - Miscellaneous DangerousGoods  U-Unknown ifanyHazardousMaterial Present |
| HAZMAT\_CD3HazmatCodeformaterial threeonboard 0-NotApplicable-NoHazardousMaterial  1 - Explosives  2 - Gases - Compressed or Dissolved or  Refrigerated  3 - Flammable Liquid  4 - Flammable Solids - Combustible or Water  Reactive  5-OxidizingSubstances-Organic  Peroxides  6-Poisonous(toxic)and Infectious  Substances  7-RadioactiveMaterial  8 - Corrosives  9 - Miscellaneous DangerousGoods  U-Unknown ifanyHazardousMaterial Present |
| HAZMAT\_CD4HazmatCodeformaterial fouronboard 0-NotApplicable-NoHazardousMaterial  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\_PADSAirbag 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  DRUG\_RESULT\_CD1-4Result(s) from drug testing for this Driver/Pedestrian  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\_CDEjection 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\_INDExtrication 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\_NUMUnit 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 |

| CRNCrash Record Number - the primary key of the crash datasets |
| --- |
| Travel Lane Count (Both Directions for  Non- divided roads. Single Direction for  LANE\_COUNT  Divided Highways) |
| OFFSETOffset (in feet) within the Segment – only for state roads |
| RDWY\_COUNTYRoadway 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\_OWNERRoadway 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 |
| --- |
| CRNCrash 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\_NUMUnit 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\_RELATEDAt Least one Driver or Pedestrian with reported or suspected Alcohol Use |
| ANGLE\_CRASHFirst Harmful Event involved a vehicle striking another at an angle |
| ATV Crash involved at least one All-Terrain Vehicle (ATV). |
| BACKUP\_PRIORIndicates that traffic was backed up due to a prior crash |

BACKUP\_NONRECURRINGIndicates that traffic was backed up due to a Nonrecurring special event

BACKUP\_CONGESTIONIndicates 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\_PASSENGERThe Crash involved at least one vehicle passenger under the age of 12. |
| COMM\_VEHICLECrash has at least one involved Commercial Vehicle |
| CORE\_NETWORKCrash took place on a Core Network Roadway. |
| CRNCrash Record Number - the primary key of the crash datasets |
| CROSS\_MEDIAN At least one unit Crossed a Median  CURVE\_DVR\_ERRORAt Least one Driver Action Involving Curve Negotiation |
| CURVED\_ROAD Curve in Road  DEER\_RELATED Deer Struck or Deer in Roadway |
| DISTRACTEDAt 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 |
| 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  DRUG\_RELATED  had a positive drug test result indicating |

| presence of a controlled substance.  (Definition changed May  2022) |
| --- |
| Indicates any motor vehicle driver had a  condition of drug use or was suspected of  drug use by police or had a positive drug  DRUGGED\_DRIVER  test result indicating presence of a  controlled substance. (Definition changed  May 2022) |
| FATAL At Least one Fatality |
| FATAL\_OR\_SUSP\_SERIOUS\_INJThe crash has at least one person who was killed or sustained a Suspected  Serious Injury |
| FATIGUE\_ASLEEPAt Least one Driver with a Condition listed Fatigued or Asleep  FIRE\_IN\_VEHICLE At least one Vehicle with Fire Damage |
| HAZARDOUS\_TRUCKAt 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\_VEHICLEAt 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\_SDSWPCrash Description of Head-on or Opposite Direction Sideswipe |
| HORSE\_BUGGYAt least one Horse and Buggy Unit involved |

| HVY\_TRUCK\_RELATED At Least one Heavy Truck was involved |
| --- |
| ICY\_ROAD Icy Road Indicator |
| ILLEGAL\_DRUG\_RELATEDAt Least one Driver or Pedestrian had reported or suspected Illegal Drug Use |
| ILLUMINATION\_DARKIllumination Indicates that the Crash Scene Lighting was Dark |
| IMPAIRED\_DRIVERAt least one Driver was Impaired by Drugs or Alcohol |
| INJURYAt least one Person Was Injured in the Crash |
| INJURY\_OR\_FATALAt 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  The crash had an indication that at least  LANE\_DEPARTURE  one vehicle departed their lane of travel  during the crash events  LEFT\_TURNThe crash had at least 1 unit that performed a left turn movement.  The Crash took place on a roadway that  had a posted Speed limit of 65 Miles Per  LIMIT\_65MPH  Hour |
| LIMIT\_70MPHThe Crash took place on a roadway that  had a posted Speed limit of 70 Miles Per  Hour |
| LOCAL\_ROADThe crash involved at least one Local Road |
| LOCAL\_ROAD\_ONLY The crash involved only Local Roadway |
| The crash involved at least 1 driver who  tested positive for the presence of  MARIJUANA\_DRUGGED\_DRIVER  marijuana |
| The crash involved at least 1 driver,  pedestrian, or other non-motorist who  MARIJUANA\_RELTAED  tested positive for the presence of  marijuana |
| MATURE\_DRIVERThe crash involved at least 1 driver over the age of 65 |

| MC\_DRINKING\_DRIVERAt least one Motorcycle driver has reported or suspected Alcohol Use |
| --- |
| MOTORCYCLEThe crash involved at least one Motorcycle |
| MULTIPLE\_VEHICLE Crash involved at least 2 vehicles |
| NHTSA\_AGG\_DRIVINGThe Crash meets the NHTSA definition of Aggressive Driving |
| NON\_INTERSECTIONThe crash did not take place at an Intersection |
| NO\_CLEARANCEAt least one unit proceeded without clearance after a stop. |
| OPIOID\_RELATEDAt 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  OVERTURNEDThe crash involved at least one Overturned Vehicle  PEDESTRIANThe crash involved at least one Pedestrian, or Pedestrian Converyance  The crash involved at least one Unit that  contributed to the crash but did not have  PHANTOM\_VEHICLE  any harmful events. |
| POSSIBLE\_INJURY The crash has at least one person who sustained a Possible Injury |
| PROPERTY\_DAMAGE\_ONLYThe crash did not have any injuries or fatalities |
| PSP\_REPORTEDCrash Investigated by the Pennsylvania State Police |
| RAMP The crash involved an interchange ramp |
| REAR\_END Crash Description of Rear End |
| ROUNDABOUTThe 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\_BUSThe crash involved at least one School Bus |
| --- |
| SCHOOL\_BUS\_UNITThe 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\_INTThe crash took place at a Signalized Intersection |
| SINGLE\_VEHICLE The crash involved a single vehicle |
| SNOW\_SLUSH\_ROADThe 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\_INTThe 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\_INJURYThe 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 |
| TURNPIKEThe crash took place on the Turnpike or a |

| Turnpike Spur |
| --- |
| UNBELTED Anyone in crash unbelted? (applicable vehicles only) |
| UNDERAGE\_DRNK\_DRVThe 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 |
| URBANThe crash took place in an Urban municipality |
| VEHICLE\_FAILUREThe crash involved at least one Vehicle Failure that contributed to the crash  VEHICLE\_TOWEDAt 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\_CDAvoidance Maneuver Code - only for fatal crashes  0 - No avoidance maneuver  1 - Braking - skid marks evident  2 - Braking - no skid marks, driver stated |

| 3-Braking-otherevidence  4-Steering-evidenceordriverstated  5-Steeringandbraking-evidenceor  stated  6-Otheravoidancemaneuver  7- Inconclusive |
| --- |
| BODY\_TYPEBodyTypeCode  01-Convertible  02-2-Doorsedan, hardtoporcoupe  03-3-Doorhatchback  04-4-Doorsedanorhardtop  05-5-Doorsedanorhatchback  06-Stationwagon. Excludingvanand  truck-based  08-Otherautomobiletype  09-Unknownautomobiletype  10-Automobile-basedpickup  11-Automobile-basedpanel truck  12-Compactutilitye.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-Convertiblepickup  58-Otherpickuptype  59-Unknownpickuptype  60-Cabchassis-based(includes lightstake,  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\_VEHCommercial Vehicle Indicator N=NoU=UnknownY=Yes |
| CRNCrashRecordNumber-theprimarykeyof thecrashdatasets |
| DAMAGE\_INDDamage Indicator  0–None  1–Minor(Drivable)  2-Functional (mod. -maybeundrivable  3–Disabling(severe–notdrivable)  9–Unknown |
| DVR\_PRES\_INDDriverpresence 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\_CDSpecial 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\_DRIVERWas 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\_VINVehicle Identification Number (First Eleven characters) |
| PEOPLE\_IN\_UNIT Total People in Unit  PRIN\_IMP\_PTPrinciple 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\_INDUnder 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 ifunderrideoroverride |
| --- |
| UNIT\_NUMUnitnumberassignedtothevehicleor pedestrian |
| UNIT\_TYPEUnitType  01-Motorvehicle intransport  02-Legallyparked  03- Illegallyparked  05-Hitandrunvehicle  06-Disabledfromapreviouscrash  11-Non-motorized  21-Train  31-Pedestrian  32-PedestrianConveyance(Wheelchair, etc.)  33 – Personal Delivery Device  51 - Phantom vehicle |
| VEH\_COLOR\_CDVehicleColorCode  01–Blue08-Gold  02–Red09–Brown  03–White10–Orange  04–Green11–Purple  05–Black12–Other  06–Yellow99-Unknown  07–Silver |
| VEH\_MOVEMENTVehicleMovementCode  01-Goingstraight  02-Slowingorstopping in lane  03-Stopped intraffic lane  04-Passingorovertakingvehicle  05-Leavingaparkedposition(expired  1-1-20)  06–Parked  07-Enteringaparkedposition(expired  1-1-20)  08-Tryingtoavoidanimal, 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–LeavingTrafficLane  98-Other  99-Unknown |
| --- |
| VEH\_POSITIONVehiclePositionCode  00-Notapplicable(forpeds.)  01-Right lane(Curb)  02-Rightturn lane  03-Left lane  04-Leftturn lane  05-Two-directioncenterturn lane  06-Otherforwardmoving lane  07-Oncomingtraffic lane  08-Leftoftrafficway  09-Rightoftrafficway  10-HOV lane  11-Shoulderrig  12-Shoulder left  13-One laneroad  14–Acceleration/DecelerationLane  98-Other  99-Unknown  VEH\_REG\_STATEVehicleRegistrationState  VEH\_ROLEVehicleRole  0–Non-Collision  1–Striking  2–Struck  3–StrikingandStruck |
| VEH\_TYPEVehicleType  01-Automobile  02-Motorcycle  03-Bus  04-Small truck  05-Largetruck  06-SUV  07–Van  08-Autocycle  09-ROV  10-Snowmobile  11-FarmEquipment  12-ConstructionEquipment  13-ATV  14–GolfCart  15–LowSpeedVehicle  16–LargeLimo  17–MotorHome(RV)  18-Othertypespecial vehicle  19-Unknowntypespecial vehicle |

| 20-Bicycle  21–OtherPedalcycle  22–Horseandbuggy  23-Horseandrider  24-Train  25–Trolley  98-Other  99-Unknown |
| --- |
| VINA\_BODY\_TYPE\_CDBodyTypeCode interpretedbyVINA software  MAT All Terrain  MEN-Enduro  MMK-Mini Bike  MMM-Mini MotoCross  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 2Dr. 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-SportHatchback  PSC-SportCoupe  T3C-3Dr. ExtendedCabPickup  T4B-4Dr. ExtendedCab/Chassis  T4C-4Dr. ExtendedCabPickup  T4W-4Dr. Wagon/SportUtility  T8V 8PassengerSportVan  TAC-AutoCarrier  TAR-ArmoredTruck  TBU-Bus  TCB-ChassisandCab  TCC-Conventional Cab  TCG-CargoVan  TCH-CrewChassis |

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