

Data

The following table presents the data that is being used for the reduction of crashes. It should be noted that not all the attributes will be used as some are not necessary. These attributes will be removed during the data wrangling section of the project. The label for this project i.e. the output, is severity code. The data set is unbalanced and so will have to be balanced as well.

Table 1: The attributes in the dataset provided

ATTRIBUTE	DESCRIPTION
SEVERITYCODE	A code that corresponds to the severity of the collision: <ul style="list-style-type: none">• 2—injury• 1—prop damage
X	Latitude of accident location
Y	Longitude of accident location
OBJECTID	ESRI unique identifier
INCKEY	A unique key for the incident
COLDETKEY	Secondary key for the incident
REPORTNO	Unique key for the report
STATUS	Matched or Unmatched
ADDRTYPE	Collision address type: <ul style="list-style-type: none">• Alley• Block• Intersection
INTKEY	Key that corresponds to the intersection associated with a collision
LOCATION	Description of the general location of the collision
EXCEPTRSNCODE	
EXCEPTRSNDESC	
SEVERITYDESC	A detailed description of the severity of the collision
COLLISIONTYPE	Collision type
PERSONCOUNT	The total number of people involved in the collision
PEDCOUNT	The number of pedestrians involved in the collision. This is entered by the state.
PEDCYLCOUNT	The number of bicycles involved in the collision. This is entered by the state.
VEHCOUNT	The number of vehicles involved in the collision. This is entered by the state.
INCDATE	The date of the incident.
INCDTTM	The date and time of the incident.
JUNCTIONTYPE	Category of junction at which collision took place
SDOT_COLCODE	A code given to the collision by SDOT

SDOT_COLDESC	A description of the collision corresponding to the collision code.
INATTENTIONIND	Whether or not collision was due to inattention. (Y/N)
UNDERINFL	Whether or not a driver involved was under the influence of drugs or alcohol.
WEATHER	A description of the weather conditions during the time of the collision.
ROADCOND	The condition of the road during the collision.
LIGHTCOND	The light conditions during the collision.
PEDROWNOTGRNT	Whether or not the pedestrian right of way was not granted. (Y/N)
SDOTCOLNUM	A number given to the collision by SDOT.
SPEEDING	Whether or not speeding was a factor in the collision. (Y/N)
ST_COLCODE	A code provided by the state that describes the collision. For more information about these codes, please see the State Collision Code Dictionary.
ST_COLDESC	A description that corresponds to the state's coding designation.
SEGLANEKEY	A key for the lane segment in which the collision occurred.
CROSSWALKKEY	A key for the crosswalk at which the collision occurred.
HITPARKEDCAR	Whether or not the collision involved hitting a parked car. (Y/N)