

Accidents data set

In the event of a car accident, there may be limited resources available for dealing with the ensuing property damage and injuries. In particular, there may be a limited number of people available with the ability to deliver high end medical attention if serious injuries have resulted from the accident. It would be useful if we could predict whether or not a serious injury resulted from the accident at the time the accident is reported. This could help us decide what kind of medical personnel should be sent out initially. To this end, 42,183 observations have been collected on automobile accidents. For each accident you have additional type of information, such as day of week, weather conditions, and road type.

- HOUR_I_R: 1 = rush hour, 0 = not (rush = 6-9 am, 4-7 pm)
- ALCOHOL_I: Alcohol involved = 1, not involved = 0
- ALIGN_I: 1 = straight, 2 = curve
- STRATUM_R: 1 = NASS Crashes Involving At Least One Passenger Vehicle (i.e., A Passenger Car, Sport Utility Vehicle, Pickup Truck Or Van) Towed Due To Damage From The Crash Scene And No Medium Or Heavy Trucks Are Involved. 0 = not
- WRK_ZONE: 1= yes, 0= no
- WKDY_I_R: 1=weekday, 0=weekend
- INT_HWY: Interstate? 1=yes, 0= no
- LGTCON_I_R: Light conditions - 1=day, 2=dark (including dawn/dusk), 3=dark, but lighted, 4=dawn or dusk
- MAN_COL_I: 0=no collision, 1=head-on, 2=other form of collision
- PED_ACC_R: 1=pedestrian/cyclist involved, 0=not
- REL_JCT_I_R: 1=accident at intersection/interchange, 0=not at intersection
- REL_RWY_R: 1=accident on roadway, 0=not on roadway
- PROFIL_I_R: 1= level, 0=other
- SPD_LIM: Speed limit, miles per hour
- SUR_CON: Surface conditions (1=dry, 2=wet, 3=snow/slush, 4=ice, 5=sand/dirt/oil, 8=other, 9=unknown)
- TRAF_CON_R: Traffic control device: 0=none, 1=signal, 2=other (sign, officer, ...)
- TRAF_WAY: 1=two-way traffic, 2=divided hwy, 3=one-way road
- WEATHER_R: 1=no adverse conditions, 2=rain, snow or other adverse condition
- INJURY: 1 = yes, 0 = no