Context

Every year, road accidents cause thousands of deaths. I strongly Believe that Data Science can be used for good, That's why I decided to make this contribution.

Here Is the description of the tables :

Content

CARACTERISTICS :

Num\_Acc : Accident ID

jour : Day of the accident

mois : Month of the accident

an : Year of the accident

hrmn : Time of the accident in hour and minutes (hhmm)

lum : Lighting : lighting conditions in which the accident occurred

* 1 - Full day
* 2 - Twilight or dawn
* 3 - Night without public lighting
* 4 - Night with public lighting not lit
* 5 - Night with public lighting on

dep : Departmeent : INSEE Code (National Institute of Statistics and Economic Studies) of the departmeent followed by a 0 (201 Corse-du-Sud - 202 Haute-Corse)

com : Municipality: The commune number is a code given by INSEE. The code has 3 numbers set to the right.

Localisation :

* 1 - Out of agglomeration
* 2 - In built-up areas

int : Type of Intersection :

* 1 - Out of intersection
* 2 - Intersection in X
* 3 - Intersection in T
* 4 - Intersection in Y
* 5 - Intersection with more than 4 branches
* 6 - Giratory
* 7 - Place
* 8 - Level crossing
* 9 - Other intersection

atm : Atmospheric conditions:

* 1 - Normal
* 2 - Light rain
* 3 - Heavy rain
* 4 - Snow - hail
* 5 - Fog - smoke
* 6 - Strong wind - storm
* 7 - Dazzling weather
* 8 - Cloudy weather
* 9 - Other

col : Type of collision:

* 1 - Two vehicles - frontal
* 2 - Two vehicles - from the rear
* 3 - Two vehicles - by the side
* 4 - Three vehicles and more - in chain
* 5 - Three or more vehicles - multiple collisions
* 6 - Other collision
* 7 - Without collision

adr : Postal address: variable filled in for accidents occurring in built-up areas

gps : GPS coding: 1 originator character:

* M = Métropole
* A = Antilles (Martinique or Guadeloupe)
* G = Guyane
* R = Réunion
* Y = Mayotte

Geographic coordinates in decimal degrees:

* lat : Latitude
* long : Longitude

Places:

Num\_Acc : Accident ID

catr : Category of road:

* 1 - Highway
* 2 - National Road
* 3 - Departmental Road
* 4 - Communal Way
* 5 - Off public network
* 6 - Parking lot open to public traffic
* 9 - other

voie : Road Number

V1: Numeric index of the route number (example: 2 bis, 3 ter etc.)

V2: Letter alphanumeric index of the road

circ: Traffic regime:

* 1 - One way
* 2 - Bidirectional
* 3 - Separated carriageways
* 4 - With variable assignment channels

nbv: Total number of traffic lanes

vosp: Indicates the existence of a reserved lane, regardless of whether or not the accident occurs on that lane.

* 1 - Bike path
* 2 - Cycle Bank
* 3 - Reserved channel

Prof: Longitudinal profile describes the gradient of the road at the accident site

* 1 - Dish
* 2 - Slope
* 3 - Hilltop
* 4- Hill bottom

pr: Home PR number (upstream terminal number)

pr1: Distance in meters to the PR (relative to the upstream terminal)

plan: Drawing in plan:

* 1 - Straight part
* 2 - Curved on the left
* 3 - Curved right
* 4 - In "S"

lartpc: Central solid land width (TPC) if there is

larrout: Width of the roadway assigned to vehicle traffic are not included the emergency stop strips, CPRs and parking spaces

surf: surface condition

* 1 - normal
* 2 - wet
* 3 - puddles
* 4 - flooded
* 5 - snow
* 6 - mud
* 7 - icy
* 8 - fat - oil
* 9 - other

infra: Development - Infrastructure:

* 1 - Underground - tunnel
* 2 - Bridge - autopont
* 3 - Exchanger or connection brace
* 4 - Railway
* 5 - Carrefour arranged
* 6 - Pedestrian area
* 7 - Toll zone

situ: Situation of the accident:

* 1 - On the road
* 2 - On emergency stop band
* 3 - On the verge
* 4 - On the sidewalk
* 5 - On bike path

env1: school point: near a school

USERS:

Acc\_number: Accident identifier.

Num\_Veh: Identification of the vehicle taken back for each user occupying this vehicle (including pedestrians who are attached to the vehicles that hit them)

place: Allows to locate the place occupied in the vehicle by the user at the time of the accident

catu: User category:

* 1 - Driver
* 2 - Passenger
* 3 - Pedestrian
* 4 - Pedestrian in rollerblade or scooter

grav: Severity of the accident: The injured users are classified into three categories of victims plus the uninjured

* 1 - Unscathed
* 2 - Killed
* 3 - Hospitalized wounded
* 4 - Light injury

sex: Sex of the user

* 1 - Male
* 2 - Female

Year\_on: Year of birth of the user

trip: Reason for traveling at the time of the accident:

* 1 - Home - work
* 2 - Home - school
* 3 - Shopping - Shopping
* 4 - Professional use
* 5 - Promenade - leisure
* 9 - Other

secu: on 2 characters: the first concerns the existence of a safety equipment

* 1 - Belt
* 2 - Helmet
* 3 - Children's device
* 4 - Reflective equipment
* 9 - Other

the second is the use of Safety Equipment

* 1 - Yes
* 2 - No
* 3 - Not determinable

locp: Location of the pedestrian:

On pavement:

* 1 - A + 50 m from the pedestrian crossing
* 2 - A - 50 m from the pedestrian crossing

On pedestrian crossing:

* 3 - Without light signaling
* 4 - With light signaling

Various:

* 5 - On the sidewalk
* 6 - On the verge
* 7 - On refuge or BAU
* 8 - On against aisle

actp: Action of the pedestrian:

Moving

* 0 - not specified or not applicable
* 1 - Meaning bumping vehicle
* 2 - Opposite direction of the vehicle Various
* 3 - Crossing
* 4 - Masked
* 5 - Playing - running
* 6 - With animal
* 9 - Other

etatp: This variable is used to specify whether the injured pedestrian was alone or not

* 1 - Only
* 2 - Accompanied
* 3 - In a group

VEHICLES:

Num\_Acc Accident ID

Num\_Veh Identification of the vehicle taken back for each user occupying this vehicle (including pedestrians who are attached to vehicles that hit them) - alphanumeric code

GP Flow direction :

* 1 - PK or PR or increasing postal address number
* 2 - PK or PR or descending postal address number

CATV Category of vehicle:

* 01 - Bicycle
* 02 - Moped <50cm3
* 03 - Cart (Quadricycle with bodied motor) (formerly "cart or motor tricycle")
* 04 - Not used since 2006 (registered scooter)
* 05 - Not used since 2006 (motorcycle)
* 06 - Not used since 2006 (side-car)
* 07 - VL only
* 08 - Not used category (VL + caravan)
* 09 - Not used category (VL + trailer)
* 10 - VU only 1,5T <= GVW <= 3,5T with or without trailer (formerly VU only 1,5T <= GVW <= 3,5T)
* 11 - Most used since 2006 (VU (10) + caravan)
* 12 - Most used since 2006 (VU (10) + trailer)
* 13 - PL only 3,5T