

Understanding New York Motor Vehicle Collision Crash

No of Columns: 29

No of Observations: 2075427

CRASH DATE:

Description: Occurrence date of collision

Type: DATE

Min date: 2012-07-01

Max date: 2024-03-22

DISTINCT: 4283

Missing: No

CRASH TIME:

Description: Occurrence time of collision

TYPE: DATE

Min: hours:minutes

Max: hours:minutes

Missing: No

BOROUGH:

Description: Borough where collision occurred

TYPE: STRING

DISTINCT: 5 (Brooklyn, Queens, Manhattan, Bronx, StatenIsland)

Missing: Yes (645746) ~ 31%

ZIP CODE

Description: Postal code of incident occurrence

TYPE: INTEGER

Min: 10000

Max: 11697

DISTINCT: 229

Missing: Yes (355546)

Min and Max ZIP CODE lay within the New York

LATITUDE

Description: Latitude coordinate

TYPE: DOUBLE

Min: 0 (Some entries have lat, long as 0,0 (3170))

Actual Min: 30.78418

Max: 43.344444

DISTINCT: 126594

Missing: Yes (233626) ~ 11%

LONGITUDE

Description: Longitude coordinate

TYPE: DOUBLE

Min: -201.35999 (1), -201.23706 (105)

Actual Min: -89.13527

Max: 0 (Some entries have lat, long as 0,0 (3170))

Actual Max: -32.768513

DISTINCT: 78355

Missing: Yes (233626) ~ 11%

-201.23706 (98) – Longitude has ON STREET NAME: QUEENSBORO BRIDGE UPPER ROADWAY and Latitude as 40.75837

We can either replace it with Longitude as (-73.955) or we can eliminate the 106 entries.

LOCATION

Description: Latitude , Longitude pair

TYPE: STRING

Column is not required as it is combination of Latitude and Longitude.

ON STREET NAME

Description: Street on which Collision occurred

TYPE: STRING

DISTINCT: 18410

Missing: Yes (440569) ~ 21%

CROSS STREET NAME

Description: Nearest Cross Street to the Location

TYPE: STRING

DISTINCT: 20236

Missing: Yes (784436) ~ 38%

OFF STREET NAME

Description: Street address if known.

TYPE: STRING

DISTINCT: 225845

Missing: Yes (1727231) ~ 83%

NUMBER OF PERSONS INJURED

Description: Number of persons injured

TYPE: INTEGER

Min: 0

Max: 43

DISTINCT: 32

Missing: Yes (18)

NUMBER OF PERSONS KILLED

Description: Number of persons killed

TYPE: INTEGER

Min: 0

Max: 8

DISTINCT: 7

Missing: Yes (31)

NUMBER OF PEDISTRIANS INJURED

Description: Number of pedestrians injured

TYPE: INTEGER

Min: 0

Max: 27

DISTINCT: 14

Missing: No

NUMBER OF PEDISTRIANS KILLED

Description: Number of pedestrians killed

TYPE: INTEGER

Min: 0

Max: 6

DISTINCT: 4

Missing: No

NUMBER OF CYCLIST INJURED

Description: Number of cyclist injured

TYPE: INTEGER

Min: 0

Max: 4

DISTINCT: 5

Missing: No

NUMBER OF CYCLIST KILLED

Description: Number of cyclist killed

TYPE: INTEGER

Min: 0

Max: 2

DISTINCT: 3

Missing: No

NUMBER OF MOTORIST INJURED

Description: Number of motorist injured

TYPE: INTEGER

Min: 0

Max: 43

DISTINCT: 31

Missing: No

NUMBER OF MOTORIST KILLED

Description: Number of motorist killed

TYPE: INTEGER

Min: 0

Max: 5

DISTINCT: 6

Missing: No

CONTRIBUTING FACTOR VEHICLE 1

Description: Factors contributing to the collision for designated vehicle

TYPE: STRING

DISTINCT: 61

Missing: Yes (6802) ~ 0.3%

CONTRIBUTING FACTOR VEHICLE 2

Description: Factors contributing to the collision for designated vehicle

TYPE: STRING

DISTINCT: 61

Missing: Yes (321736) ~ 16%

CONTRIBUTING FACTOR VEHICLE 3

Description: Factors contributing to the collision for designated vehicle

TYPE: STRING

DISTINCT: 51

Missing: Yes (1927163) ~ 93%

CONTRIBUTING FACTOR VEHICLE 4

Description: Factors contributing to the collision for designated vehicle

TYPE: STRING

DISTINCT: 41

Missing: Yes (2041953) ~ 98%

CONTRIBUTING FACTOR VEHICLE 5

Description: Factors contributing to the collision for designated vehicle

TYPE: STRING

DISTINCT: 30

Missing: Yes (2066358) ~ 99%

COLLISION_ID

Description: Unique record generated by system. PK for crash table.

TYPE: INTEGER

Min: 22

Max: 4712252

Missing: No

VEHICLE TYPE CODE 1

Description: Type of vehicle based on the selected vehicle category (ATV, bicycle, car/suv, scooter, truck/bus, motorcycle, other)

TYPE: STRING

DISTINCT: 1631

Missing: Yes (13691) ~ 0.7%

VEHICLE TYPE CODE 2

Description: Type of vehicle based on the selected vehicle category (ATV, bicycle, car/suv, scooter, truck/bus, motorcycle, other)

TYPE: STRING

DISTINCT: 1819

Missing: Yes (396691) ~ 19%

VEHICLE TYPE CODE 3

Description: Type of vehicle based on the selected vehicle category (ATV, bicycle, car/suv, scooter, truck/bus, motorcycle, other)

TYPE: STRING

DISTINCT: 260

Missing: Yes (1932530) ~ 93%

VEHICLE TYPE CODE 4

Description: Type of vehicle based on the selected vehicle category (ATV, bicycle, car/suv, scooter, truck/bus, motorcycle, other)

TYPE: STRING

DISTINCT: 101

Missing: Yes (2043115) ~ 98%

VEHICLE TYPE CODE 5

Description: Type of vehicle based on the selected vehicle category (ATV, bicycle, car/suv, scooter, truck/bus, motorcycle, other)

TYPE: STRING

DISTINCT: 70

Missing: Yes (2066635) ~ 99%