Forms Core table Field analysis

First\_Event\_Type (varchar):

36 distinct values – NULL, 0, Animal, Barrier, Bicyclist, Bridge Structure, Building/Wall, Crash Cushion, Culvert/Head Wall, Curbing, Deer, Does Not Apply, Earth Embankment/Rock Cut/Ditc, Fence, Fire Hydrant, Fire/Explosion, Guide Rail (Not at end), Guide Rail-End, In-Line Skater, Light Support/Utility Pole, Median - Not at end, Median End, Other (Fixed Object), Other Motor Vehicle, Other Non Collision, Other Object (Not Fixed), Other Pedestrian, Overturned, Pedestrian, Railroad Train, Ran Off Roadway Only, Sign Post, Snow Embankment, Submersion, Tree, Unknown

Firsty event type is null roughly 80% of the time; 3405489 times out of 4272660 distinct integration ids.

Query for Crosstab of PED\_NONPED vs First\_Event\_Type:

SELECT CASE WHEN vic.PED\_NONPED = 'Pedestrian' THEN '1. Pedestrian'

WHEN vic.PED\_NONPED = 'Bicyclist' THEN '2. Bicyclist'

WHEN vic.PED\_NONPED = 'Occupant' THEN '3. Motor Vehicle' END AS Mode

,sum(CASE WHEN FIRST\_EVENT\_TYPE = 'Pedestrian' THEN 1 END) FIRST\_PED

,sum(CASE WHEN FIRST\_EVENT\_TYPE = 'Bicyclist' THEN 1 END) FIRST\_BI

,sum(CASE WHEN FIRST\_EVENT\_TYPE not in ('Pedestrian','Bicyclist', '0') or FIRST\_EVENT\_TYPE is not null THEN 1 END) FIRST\_OTHER

,coalesce(sum(CASE WHEN FIRST\_EVENT\_TYPE is null and FIRST\_EVENT\_TYPE = '0' THEN 1 END),0) FIRST\_UNKNOWN

FROM [FORMS].[dbo].[WC\_ACCIDENT\_F] core

JOIN [FORMS].[dbo].[WC\_ACCIDENT\_VICTIM\_F] vic

ON core.integration\_id = vic.ACCIDENT\_ID

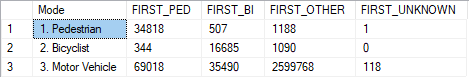
WHERE YEAR(core.ACCIDENT\_DT) between 2017 and 2019

GROUP BY CASE WHEN vic.PED\_NONPED = 'Pedestrian' THEN '1. Pedestrian'

WHEN vic.PED\_NONPED = 'Bicyclist' THEN '2. Bicyclist'

WHEN vic.PED\_NONPED = 'Occupant' THEN '3. Motor Vehicle' END

PED\_NONPED vs First\_Event\_Type



First\_Ped: When First Event Type is equal to Pedestrian

First\_Bi: When First Event Type is equal to Bicycle

First\_Other: When First Event Type is not equal to Pedestrian or Bicycle

First\_Unknown: When First Event Type is null or equal to 0

SRC\_DIST\_FROM\_X\_STREET\_MILES (varchar):

Contains integer values.

Max value: 9.1

Min value: 0

Mean: 5.525

Mode: 1

It is null roughly 99% of the time; 4266349 times out of 4272660 distinct integration ids. SRC\_DIST\_FROM\_X\_STREET\_MILES appears only 6,332 times.

SRC\_DISTANCE\_FROM\_CROSS\_STREET (varchar):

Contains integer values.

Max value: 99999

Min value: 0

Mean: 76

Mode: 10

It is null roughly 95% of the time; 4074911 times out of 4272660 distinct integration ids. SRC\_DISTANCE\_FROM\_CROSS\_STREET appears 198546 times.

Query for Crosstab of SRC\_DIST\_FROM\_X\_STREET\_MILES vs SRC\_DISTANCE\_FROM\_CROSS\_STREET

SELECT TOP 2 CASE WHEN SRC\_DIST\_FROM\_X\_STREET\_MILES is not null THEN '1. SRC\_DIST\_FROM\_X\_STREET\_MILES'

WHEN SRC\_DISTANCE\_FROM\_CROSS\_STREET is not null THEN '2. SRC\_DISTANCE\_FROM\_CROSS\_STREET'

ELSE '3. ' END AS " "

,coalesce(sum(CASE WHEN SRC\_DIST\_FROM\_X\_STREET\_MILES is null THEN 1 END),0) SRC\_DIST\_FROM\_X\_STREET\_MILES\_NULL

,coalesce(sum(CASE WHEN SRC\_DISTANCE\_FROM\_CROSS\_STREET is null THEN 1 END),0) SRC\_DISTANCE\_FROM\_CROSS\_STREET\_NULL

FROM [FORMS].[dbo].[WC\_ACCIDENT\_F] core

GROUP BY CASE WHEN SRC\_DIST\_FROM\_X\_STREET\_MILES is not null THEN '1. SRC\_DIST\_FROM\_X\_STREET\_MILES'

WHEN SRC\_DISTANCE\_FROM\_CROSS\_STREET is not null THEN '2. SRC\_DISTANCE\_FROM\_CROSS\_STREET'

ELSE '3. ' END

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SRC\_DISTANCE\_FROM\_CROSS\_STREET and SRC\_DIST\_FROM\_X\_STREET\_MILES do not overlap. Either one or the other is null.