Assignment: Read: Workshop - NYC MV Collisions - BI

INFO7370 35649 Designing Data Arch Busn Intel SEC 01 Spring 2020 [BOS-2-TR]

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Date: 04/09/2020
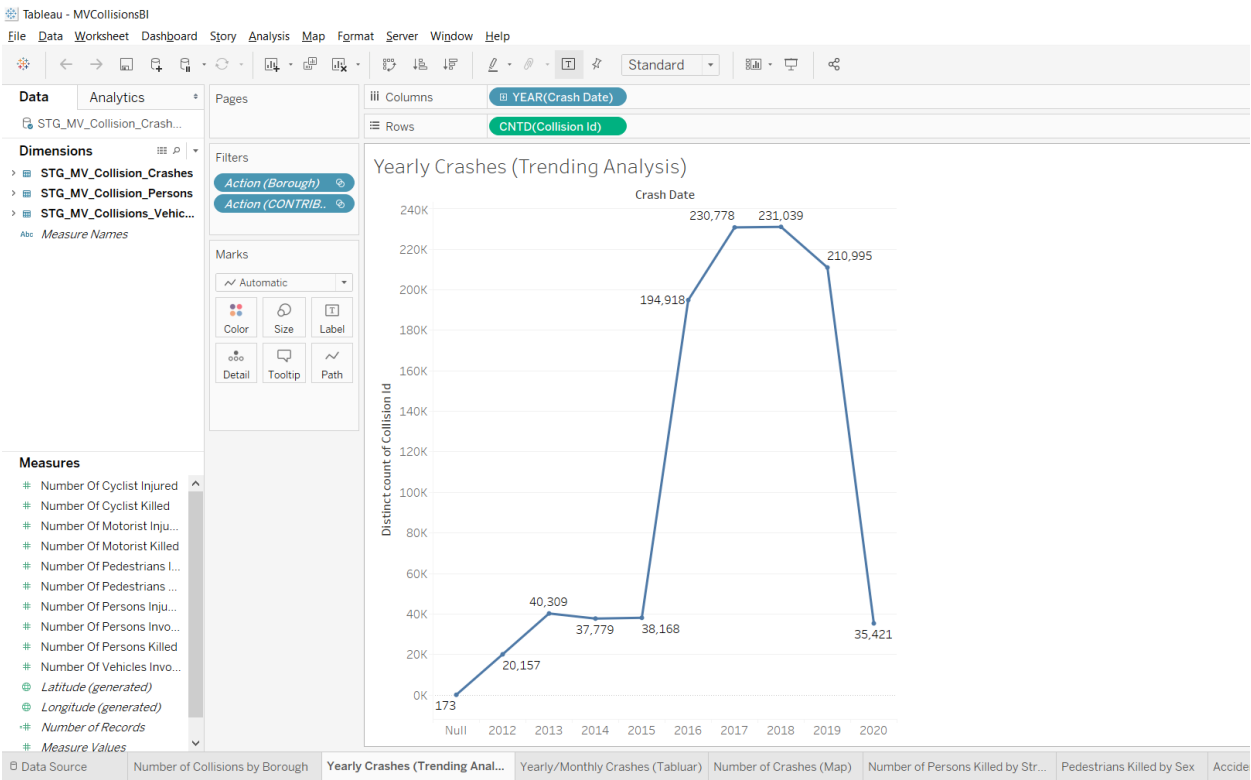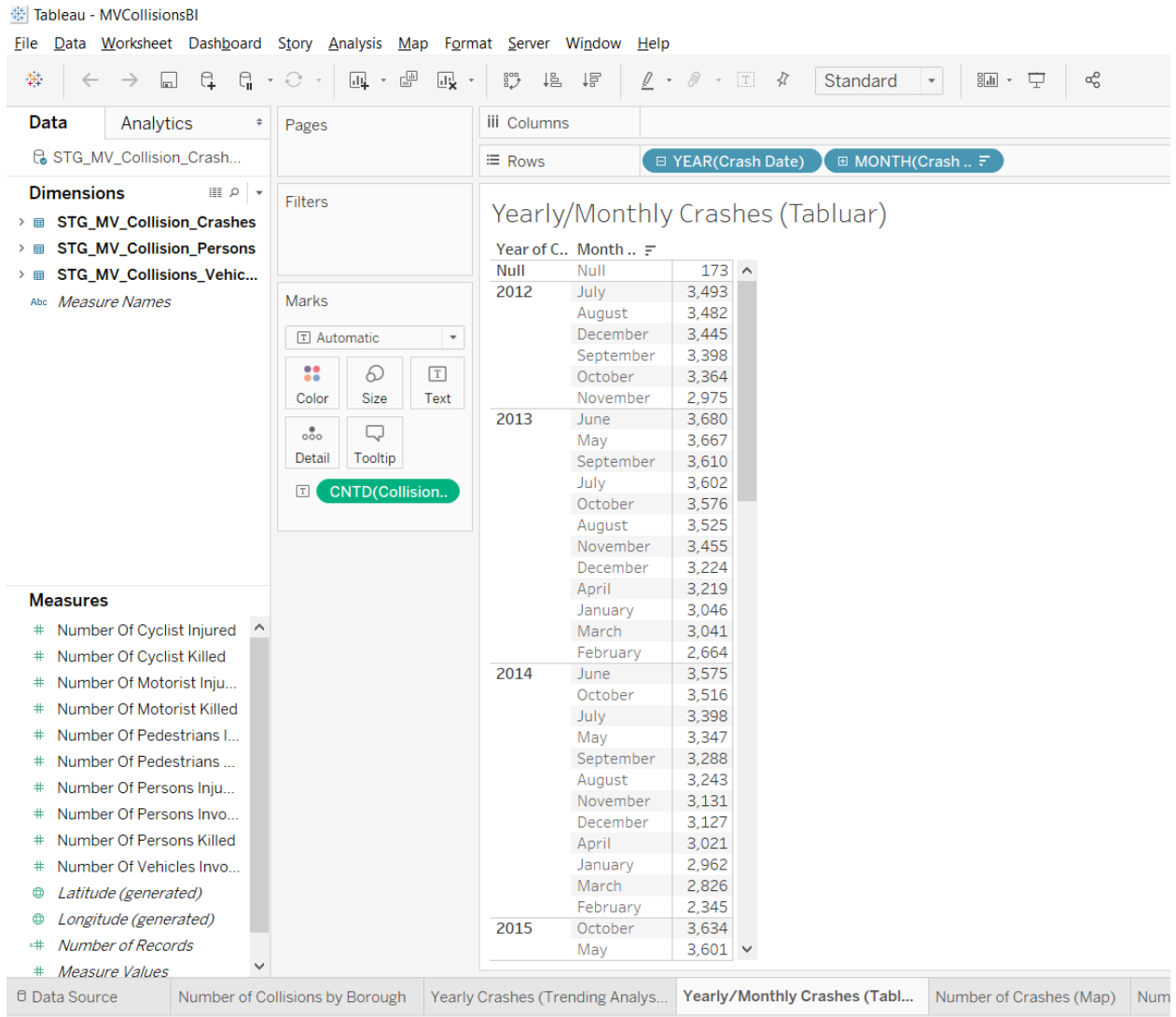
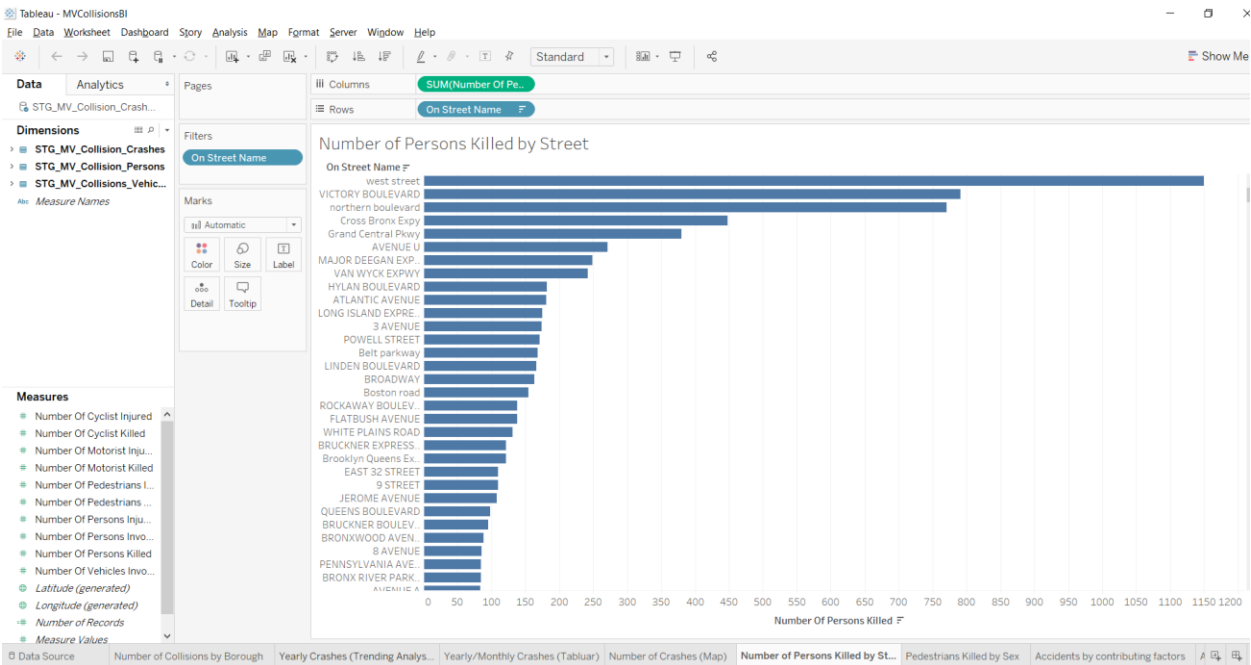## Visualization 1: Number of Collisions by Borough

Visualization 2: Yearly Crashes (Trending Analysis)

Visualization 3: Yearly/Monthly Crashes (Tabluar)

Yearly/Monthly Crashes (Tabluar)

| Year of C..	Month ..	
Null	Null	173
2012	July	3,493
	August	3,482
	December	3,445
	September	3,398
	October	3,364
	November	2,975
2013	June	3,680
	May	3,667
	September	3,610
	July	3,602
	October	3,576
	August	3,525
	November	3,455
	December	3,224
	April	3,219
	January	3,046
	March	3,041
	February	2,664
2014	June	3,575
	October	3,516
	July	3,398
	May	3,347
	September	3,288
	August	3,243
	November	3,131
	December	3,127
	April	3,021
	January	2,962
	March	2,826
	February	2,345
2015	October	3,634
	May	3,601

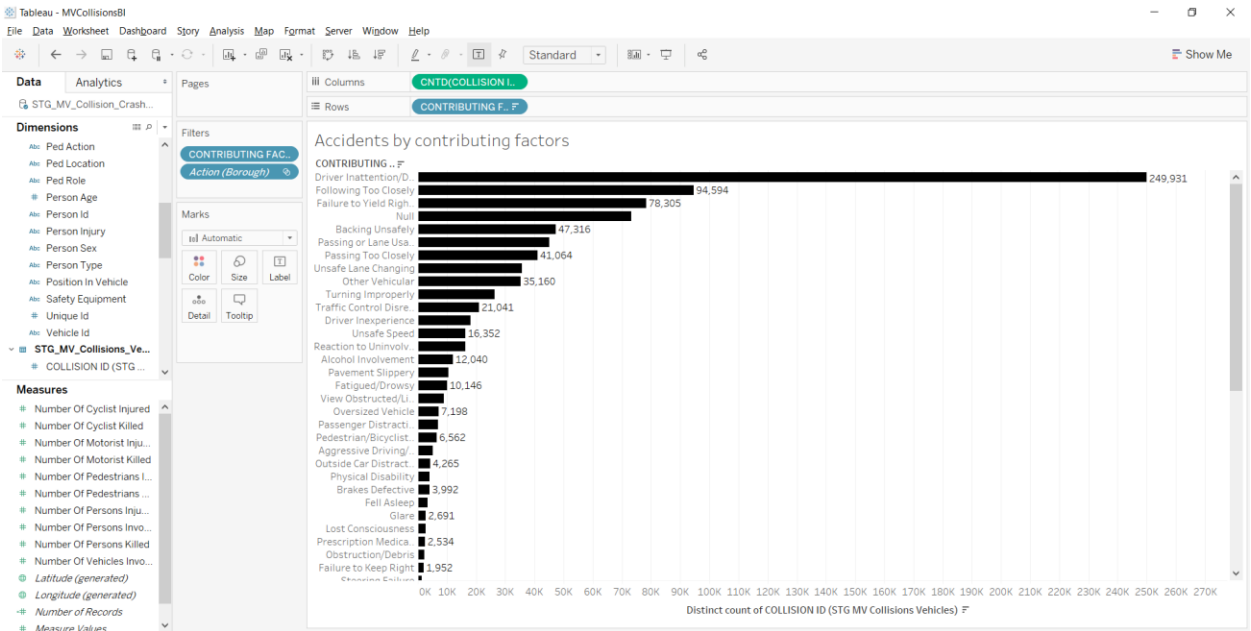**Visualization 4:** Number of Crashes (Map)
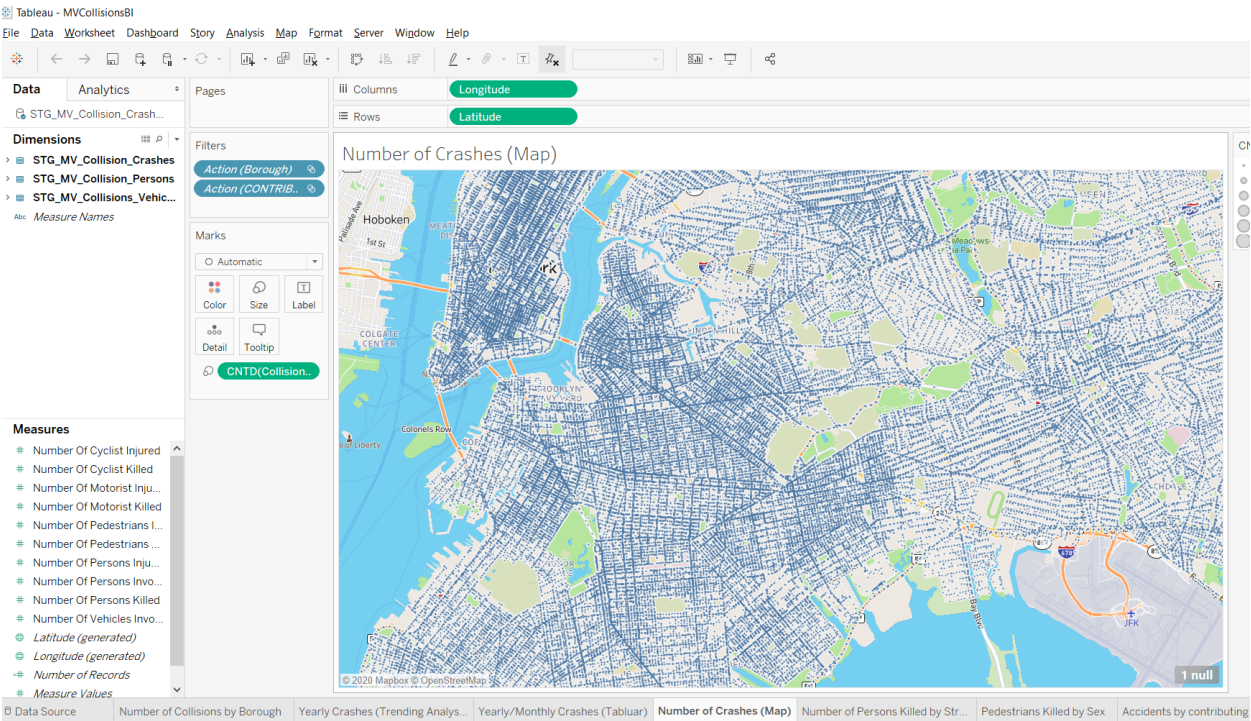
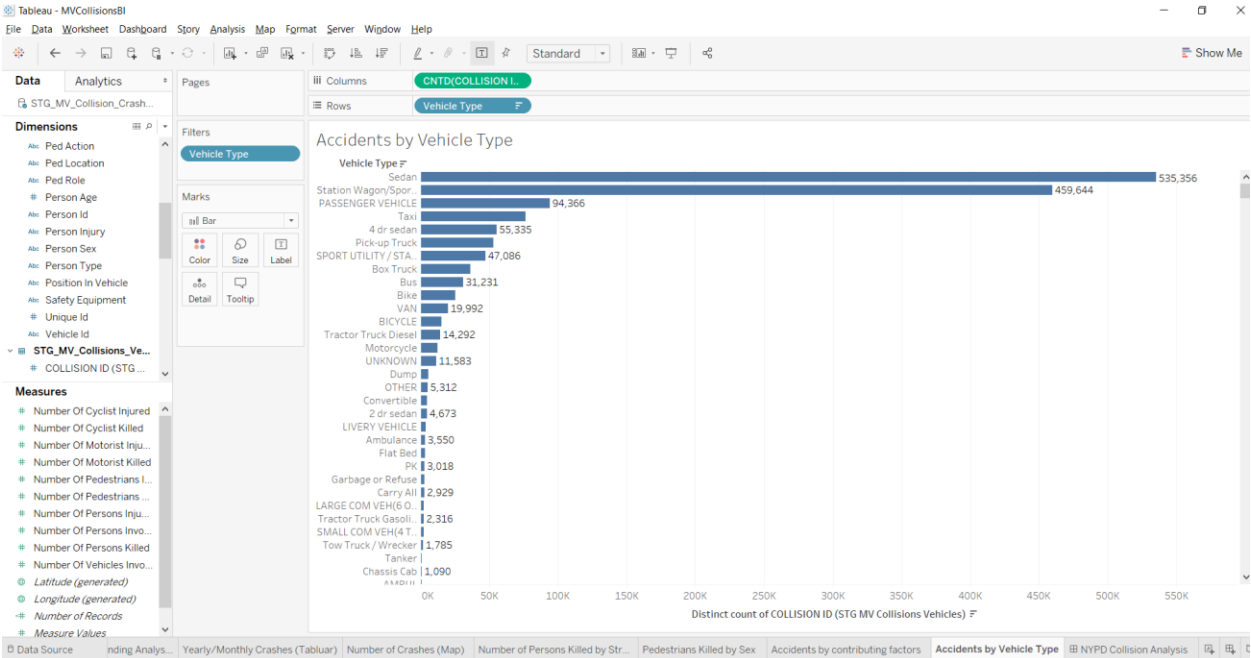**Visualization 5:** Number of Persons Killed by Street

Visualization 6: Pedestrians Killed by Sex
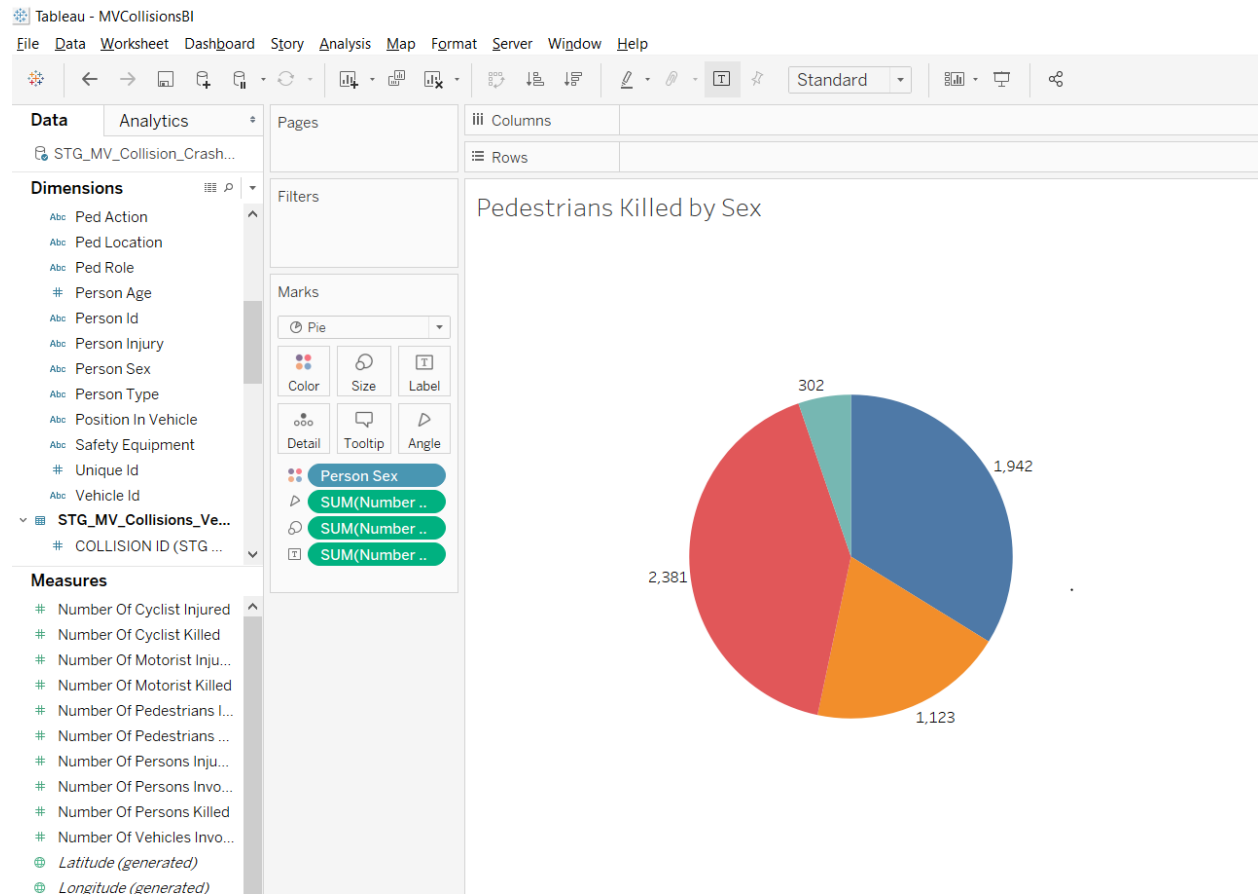
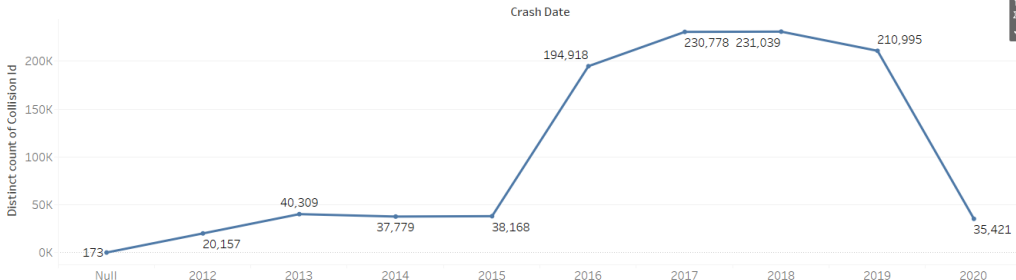**Visualization 7:** Accidents by contributing factors
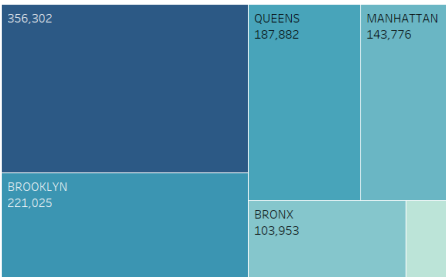

Visualization 8: Accidents by Vehicle Type

Dashboard: NYPD Collision Analysis

Yearly Crashes (Trending Analysis)

Crash Date

Distinct count of Collision Id

Null	2012	2013	2014	2015	2016	2017	2018	2019	2020
173	20,157	40,309	37,779	38,168	194,918	230,778	231,039	210,995	35,421

Number of Collisions by Borough

356,302	QUEENS 187,882	MANHATTAN 143,776
BROOKLYN 221,025	BRONX 103,953	

Number of Crashes (Map)

Hoboken

© 2020 Mapbox © OpenStreetMap   1 null

Accidents by contributing factors

CONTRIBUTING ..

Driver Inattention/D.	249,931
Following Too Closely	
Failure to Yield Righ..	78,305
Null	
Backing Unsafely	47,316
Passing or Lane Usa..	
Passing Too Closely	41,064
Unsafe Lane Changing	
Other Vehicular	35,160
Turning Improperly	
Traffic Control Disre..	21,041
Driver Inexperience	
Unsafe Speed	16,352
Reaction to Uninvolv..	
Alcohol Involvement	12,040
Pavement Slippery	
Fatigued/Drowsy	10,146
View Obstructed/Li..	
Oversized Vehicle	7,198
Passenger Distracti..	
Pedestrian/Bicyclist..	6,562
Aggressive Driving/..	
Outside Car Distract..	4,265
Physical Disability	
Brakes Defective	3,992
Fell Asleep	
Glare	2,691
Lost Consciousness	
Prescription Medica..	2,534
Obstruction/Debris	
Failure to Keep Right	1,952
Steering Failure	
Pavement Defective	1,322
Tire Failure/Inadeg	

0K	400K

Distinct count ..