

Q1 - Cards

# Weather	# Lighting	# Vision	# Trafficway	# Alignment	# Road Surfa..	# Vehicle Ty..	# Vehicle Use	AVG Vehi..	AVG Peo..	Incident Count
CLEAR	DAYLIGHT	NOT OBSCURED	NOT DIVIDED	STRAIGHT AND LEVEL	DRY	PASSENGER	PERSONAL	34,117	64,492	292,777

Count of Crash Record Id broken down by Incident Count vs. # Weather, # Lighting, # Vision, # Trafficway, # Alignment, # Road Surface, # Vehicle Type, # Vehicle Use, AVG Vehicle Count by Year and AVG People Count by Year. The data is filtered on CRASH DATE (people downsampled.csv) Year, Crash Date Year, Crash Type and Action (Device Condition,Trafficway Type,Traffic Control Device). The CRASH DATE (people downsampled.csv) Year filter keeps 10 members. The Crash Date Year filter keeps 11 members. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The Action (Device Condition,Trafficway Type,Traffic Control Device) filter keeps 843 members. The view is filtered on Incident Count, which keeps Incident Count.

Q1 - Bar: Top Driver Behaviors - Causes of Accidents



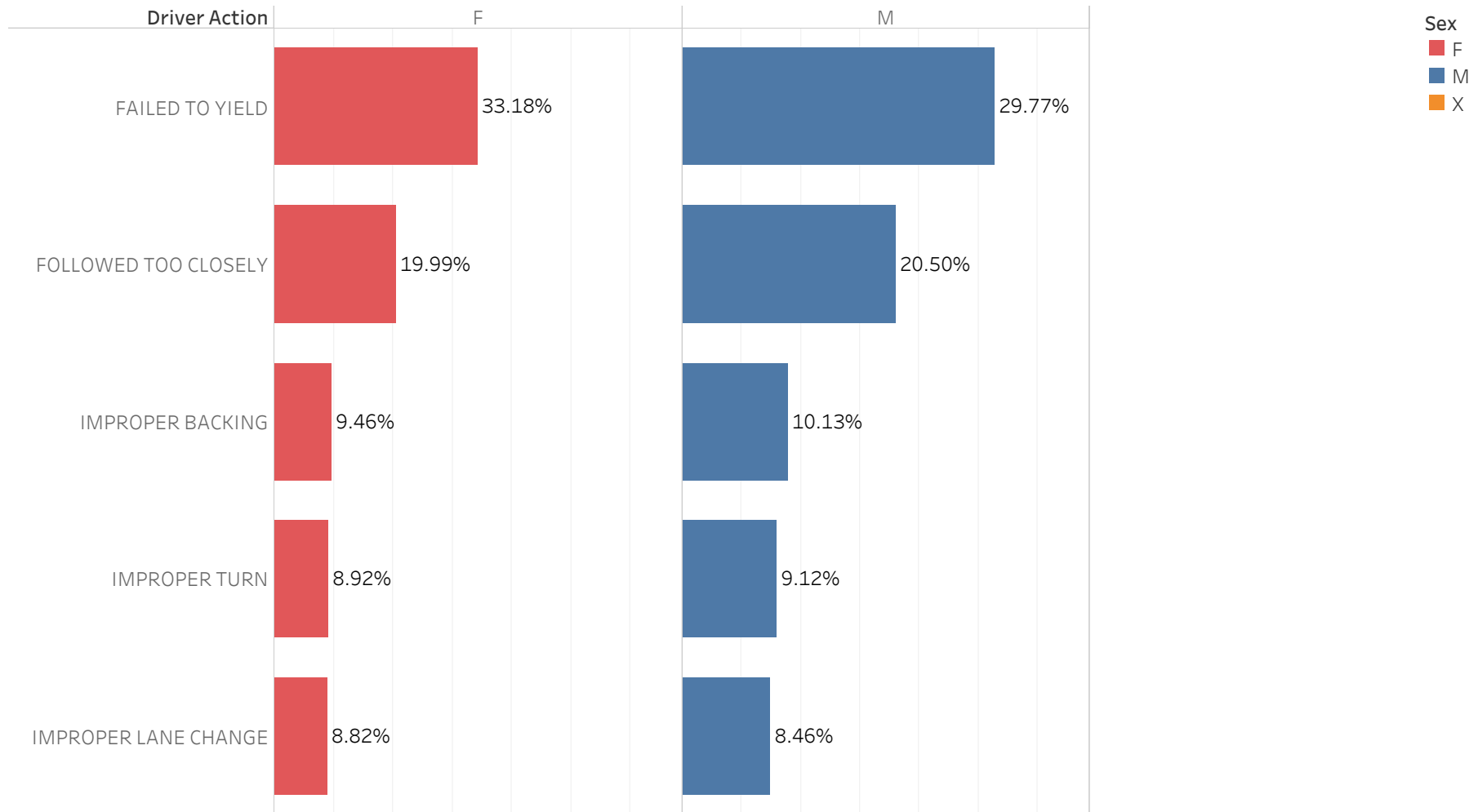
Count of people_downsampled.csv1 for each Drivers License Class. Color shows details about Accident Severity. The data is filtered on Rank Accident Count and CRASH DATE (people_downsampled.csv) Year. The Rank Accident Count filter ranges from 1 to 5. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The view is filtered on Drivers License Class, which keeps 56 of 182 members.

Q1 - Bar: Top Driver Behaviors - Causes of Accidents



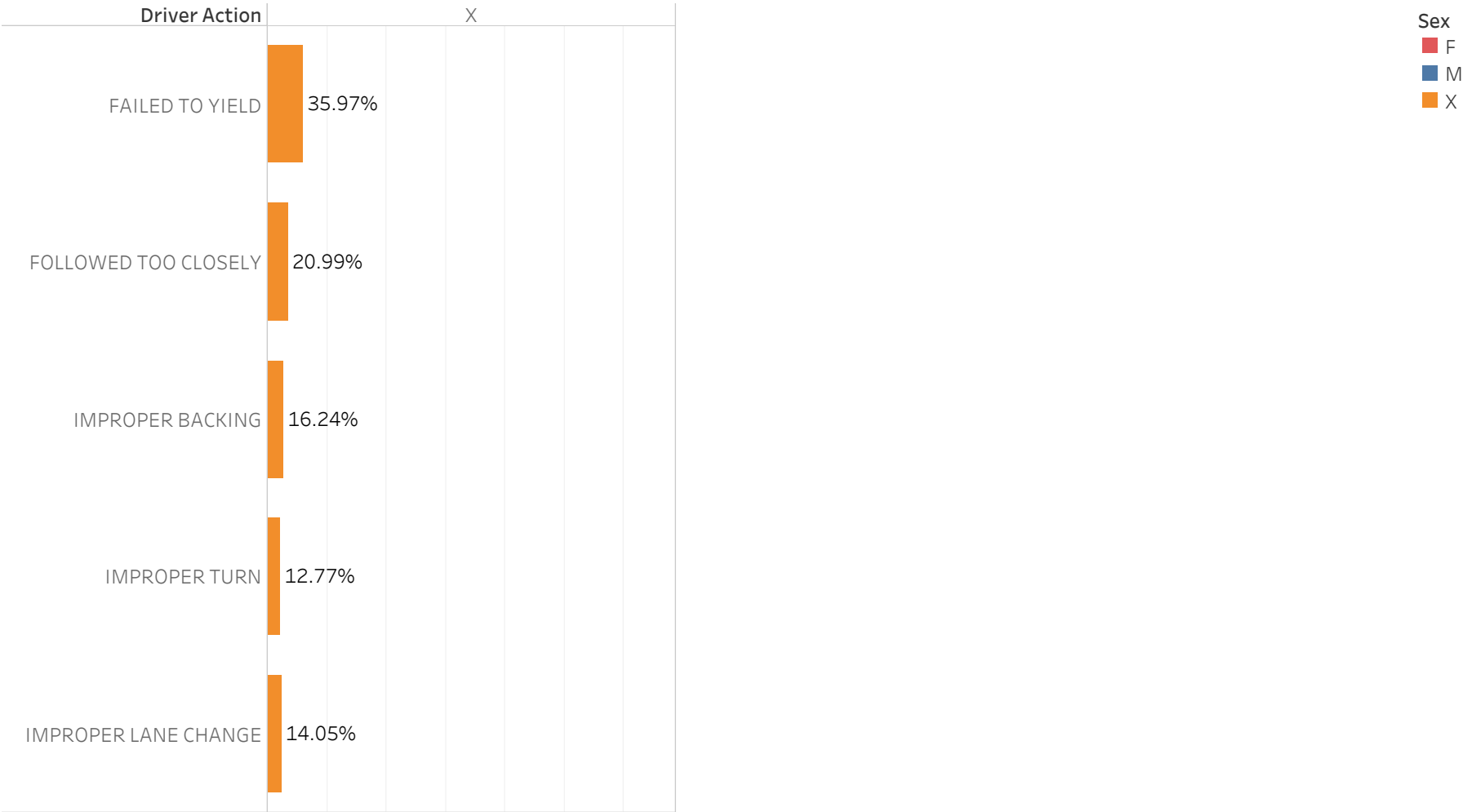
Count of people_downsampled.csv1 for each Drivers License Class. Color shows details about Accident Severity. The data is filtered on Rank Accident Count and CRASH DATE (people_downsampled.csv) Year. The Rank Accident Count filter ranges from 1 to 5. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The view is filtered on Drivers License Class, which keeps 56 of 182 members.

Driver Actions Contributing to Accidents by Gender



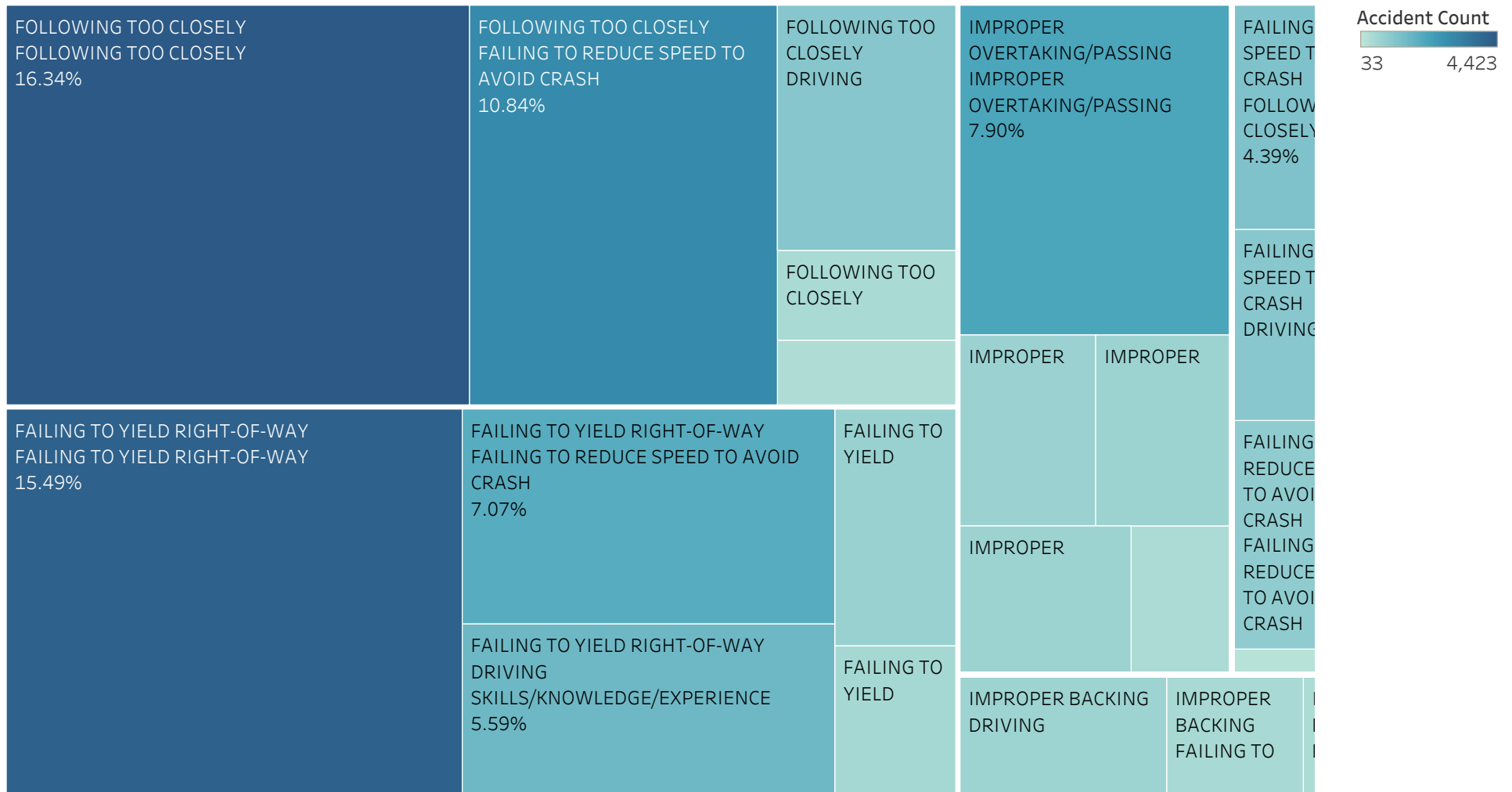
Count of people_downsampled.csv1 for each Driver Action broken down by Sex. Color shows details about Sex. The marks are labeled by % of Total Count of crashes_downsampled.csv1. The data is filtered on distinct count of AGE1, Crash Type, Crash Date Year, Rank Accident Count, CRASH DATE (people_downsampled.csv) Year and Action (Device Condition,Trafficway Type,Traffic Control Device). The distinct count of AGE1 filter ranges from 6 to 108. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The Crash Date Year filter keeps 11 members. The Rank Accident Count filter ranges from 1 to 5. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Action (Device Condition,Trafficway Type,Traffic Control Device) filter keeps 843 members. The view is filtered on Sex and Driver Action. The Sex filter keeps F, M and X. The Driver Action filter excludes Null, NONE, OTHER and UNKNOWN.

Driver Actions Contributing to Accidents by Gender



Count of people_downsampled.csv1 for each Driver Action broken down by Sex. Color shows details about Sex. The marks are labeled by % of Total Count of crashes_downsampled.csv1. The data is filtered on distinct count of AGE1, Crash Type, Crash Date Year, Rank Accident Count, CRASH DATE (people_downsampled.csv) Year and Action (Device Condition,Trafficway Type,Traffic Control Device). The distinct count of AGE1 filter ranges from 6 to 108. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The Crash Date Year filter keeps 11 members. The Rank Accident Count filter ranges from 1 to 5. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Action (Device Condition,Trafficway Type,Traffic Control Device) filter keeps 843 members. The view is filtered on Sex and Driver Action. The Sex filter keeps F, M and X. The Driver Action filter excludes Null, NONE, OTHER and UNKNOWN.

Top Driver Behaviors Leading to Crashes



Prim Contributory Cause, Sec Contributory Cause and % of Total Count of crashes_downsampled.csv1. Color shows count of crashes_downsampled.csv1. Size shows count of crashes_downsampled.csv1. The marks are labeled by Prim Contributory Cause, Sec Contributory Cause and % of Total Count of crashes_downsampled.csv1. The data is filtered on CRASH DATE (people_downsampled.csv) Year, Crash Date Year, Crash Type, distinct count of AGE1 and Action (Device Condition,Trafficway Type,Traffic Control Device). The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Crash Date Year filter keeps 11 members. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The distinct count of AGE1 filter ranges from 6 to 108. The Action (Device Condition,Trafficway Type,Traffic Control Device) filter keeps 843 members. The view is filtered on Prim Contributory Cause and Sec Contributory Cause. The Prim Contributory Cause filter keeps FAILING TO REDUCE SPEED TO AVOID CRASH, FAILING TO YIELD RIGHT-OF-WAY, FOLLOWING TOO CLOSELY, IMPROPER BACKING and IMPROPER OVERTAKING/PASSING. The Sec Contributory Cause filter keeps DRIVING SKILLS/KNOWLEDGE/EXPERIENCE, FAILING TO REDUCE SPEED TO AVOID CRASH, FAILING TO YIELD RIGHT-OF-WAY, FOLLOWING TOO CLOSELY and IMPROPER OVERTAKING/PASSING.

Top Driver Behaviors Leading to Crashes



Prim Contributory Cause, Sec Contributory Cause and % of Total Count of crashes_downsampled.csv1. Color shows count of crashes_downsampled.csv1. Size shows count of crashes_downsampled.csv1. The marks are labeled by Prim Contributory Cause, Sec Contributory Cause and % of Total Count of crashes_downsampled.csv1. The data is filtered on CRASH DATE (people_downsampled.csv) Year, Crash Date Year, Crash Type, distinct count of AGE1 and Action (Device Condition,Trafficway Type,Traffic Control Device). The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Crash Date Year filter keeps 11 members. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The distinct count of AGE1 filter ranges from 6 to 108. The Action (Device Condition,Trafficway Type,Traffic Control Device) filter keeps 843 members. The view is filtered on Prim Contributory Cause and Sec Contributory Cause. The Prim Contributory Cause filter keeps FAILING TO REDUCE SPEED TO AVOID CRASH, FAILING TO YIELD RIGHT-OF-WAY, FOLLOWING TOO CLOSELY, IMPROPER BACKING and IMPROPER OVERTAKING/PASSING. The Sec Contributory Cause filter keeps DRIVING SKILLS/KNOWLEDGE/EXPERIENCE, FAILING TO REDUCE SPEED TO AVOID CRASH, FAILING TO YIELD RIGHT-OF-WAY, FOLLOWING TOO CLOSELY and IMPROPER OVERTAKING/PASSING.

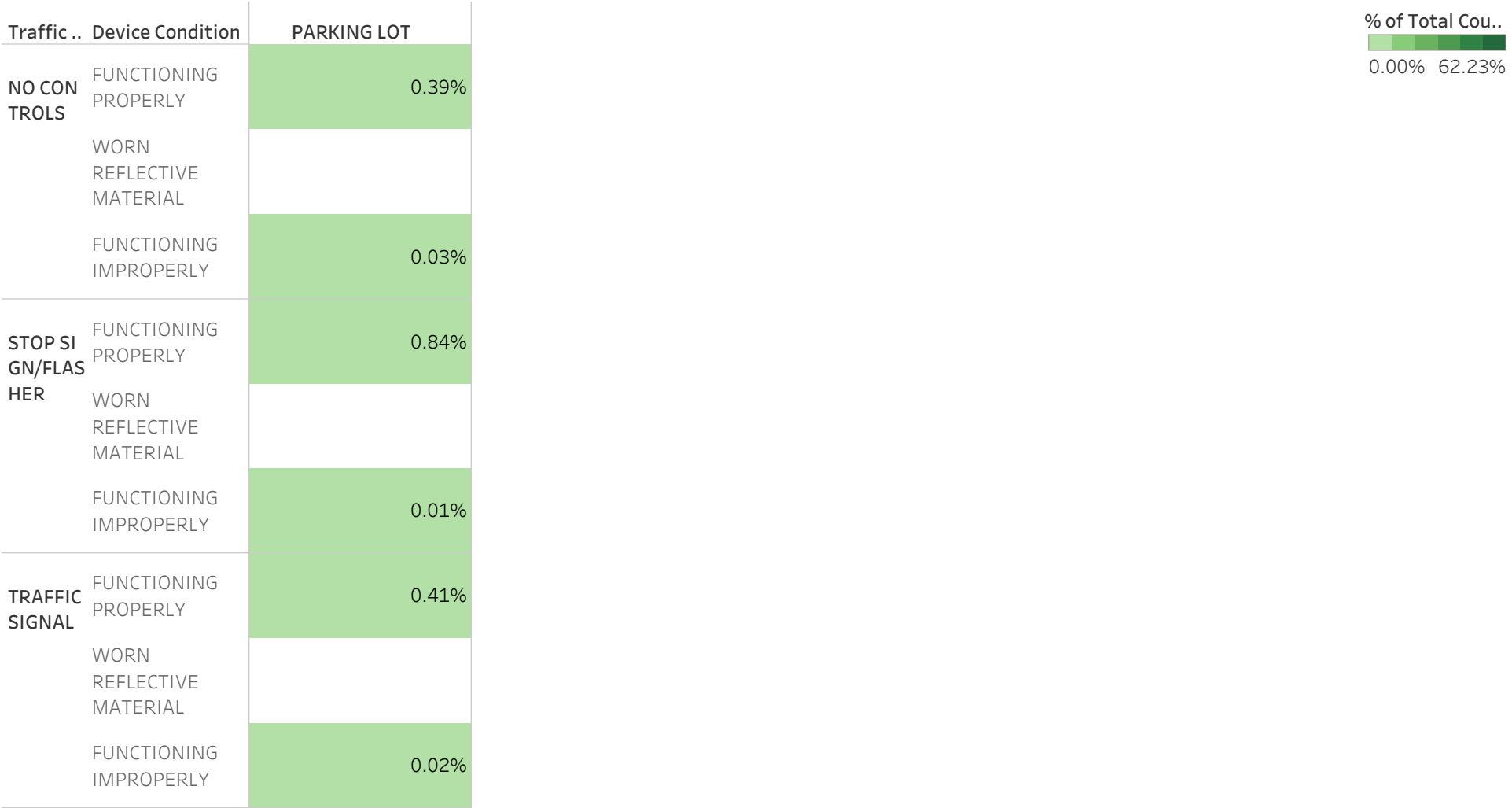
Infrastructure Conditions by Trafficway Type

Traffic ..	Device Condition	DIVIDED - W/MEDIAN (N..	FOUR WAY	NOT DIVIDED	ONE-WAY	PA
NO CON TROLS	FUNCTIONING PROPERLY	0.58%	0.27%	0.54%	0.48%	
	WORN REFLECTIVE MATERIAL	0.00%		0.00%	0.00%	
	FUNCTIONING IMPROPERLY	0.04%		0.03%	0.02%	
STOP SI GN/FLAS HER	FUNCTIONING PROPERLY	7.97%	23.41%	8.37%	7.24%	
	WORN REFLECTIVE MATERIAL	0.02%	0.01%	0.00%	0.01%	
	FUNCTIONING IMPROPERLY	0.12%	0.26%	0.14%	0.10%	
TRAFFIC SIGNAL	FUNCTIONING PROPERLY	36.95%	62.23%	26.90%	12.36%	
	WORN REFLECTIVE MATERIAL	0.02%	0.02%	0.01%	0.01%	
	FUNCTIONING IMPROPERLY	0.46%	0.73%	0.32%	0.16%	

% of Total Cou..
0.00% 62.23%

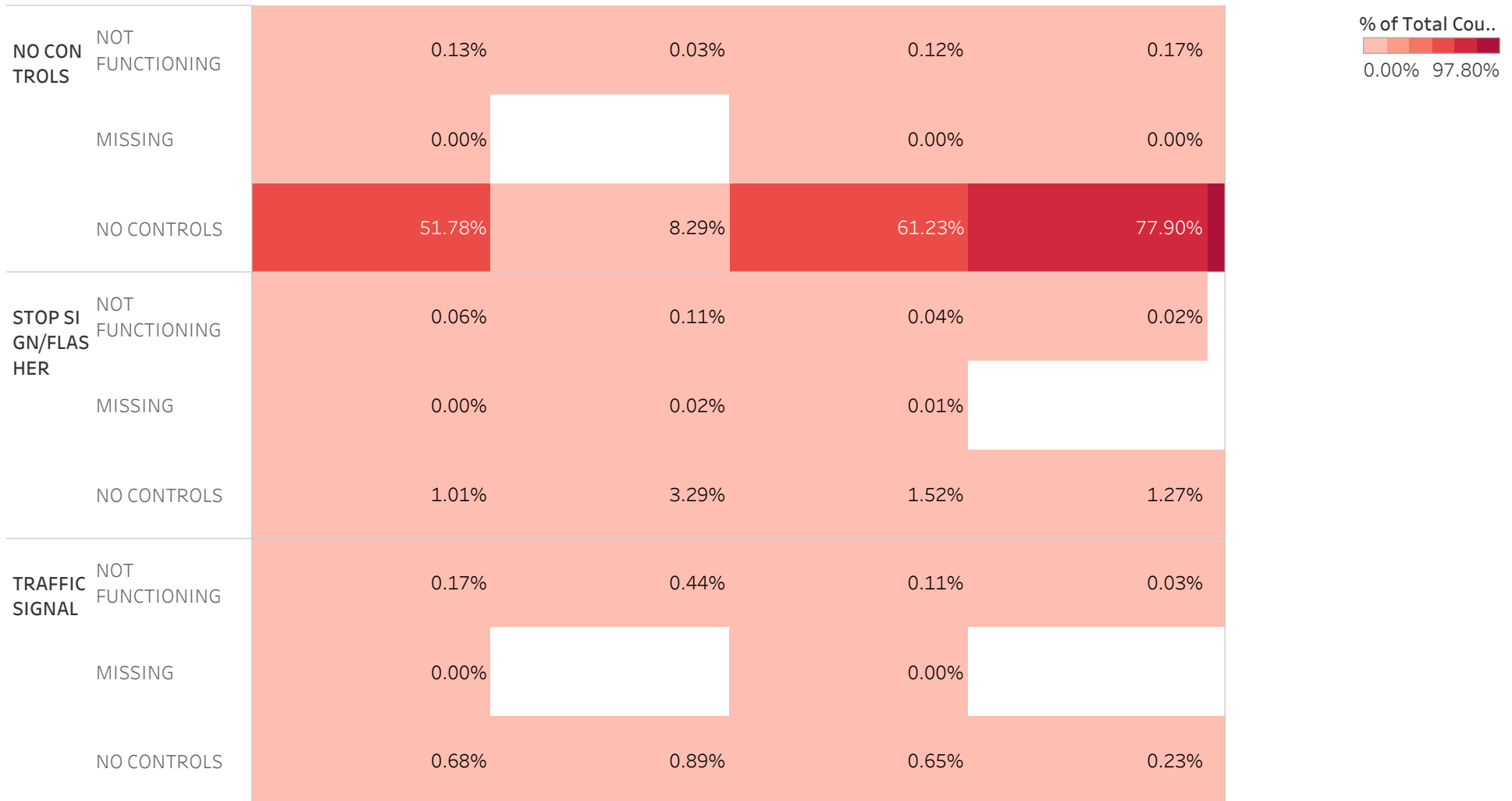
% of Total Count of crashes_downsampled.csv1 broken down by Trafficway Type vs. Traffic Control Device and Device Condition. Color shows % of Total Count of crashes_downsampled.csv1. The marks are labeled by % of Total Count of crashes_downsampled.csv1. The data is filtered on CRASH DATE (people_downsampled.csv) Year, Crash Date Year and Crash Type. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Crash Date Year filter keeps 11 members. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The view is filtered on Device Condition, Traffic Control Device and Trafficway Type. The Device Condition filter excludes OTHER and UNKNOWN. The Traffic Control Device filter keeps NO CONTROLS, STOP SIGN/FLASHER and TRAFFIC SIGNAL. The Trafficway Type filter keeps DIVIDED - W/MEDIAN (NOT RAISED), FOUR WAY, NOT DIVIDED, ONE-WAY and PARKING LOT.

Infrastructure Conditions by Trafficway Type



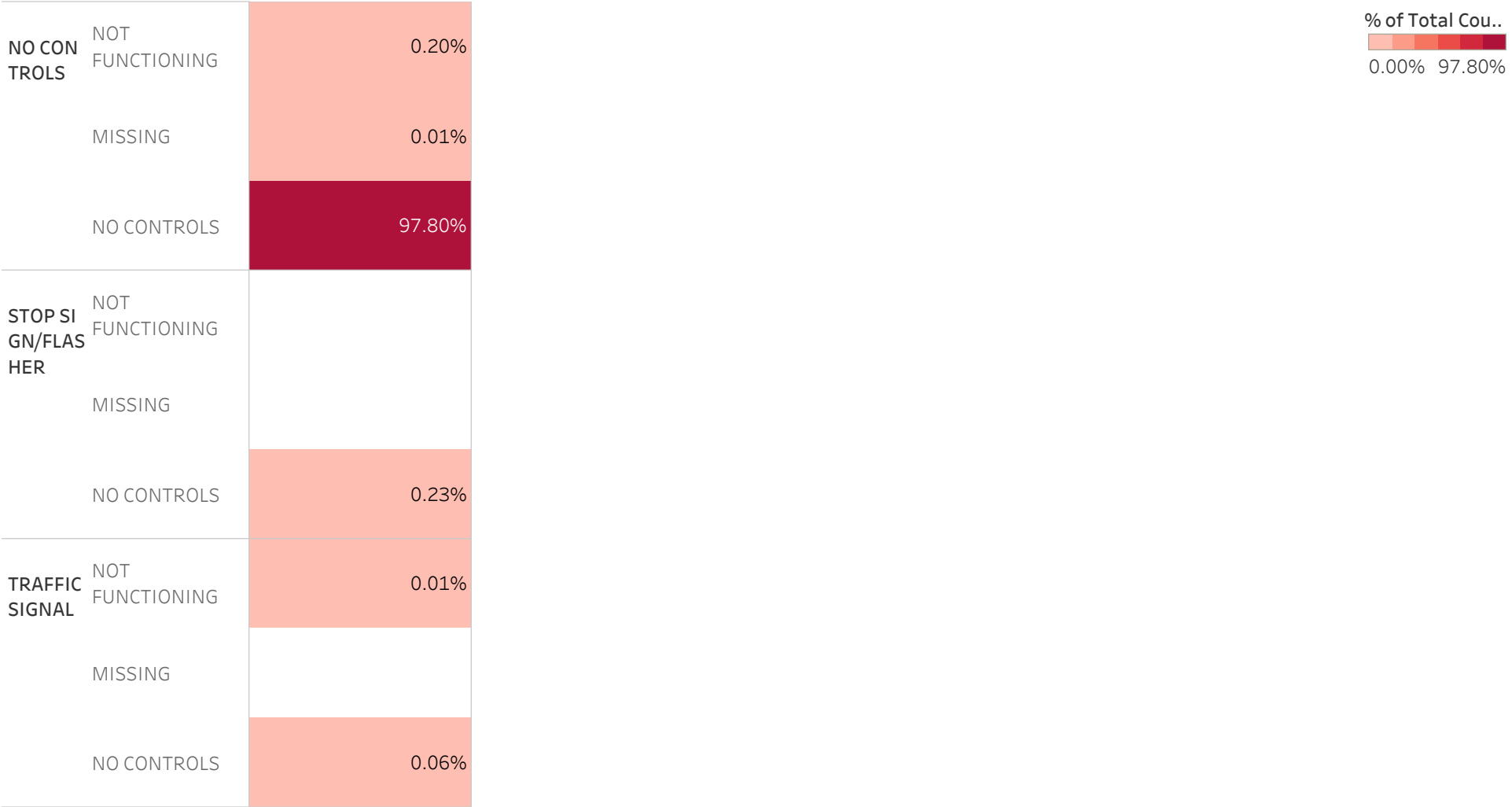
% of Total Count of crashes_downsampled.csv1 broken down by Trafficway Type vs. Traffic Control Device and Device Condition. Color shows % of Total Count of crashes_downsampled.csv1. The marks are labeled by % of Total Count of crashes_downsampled.csv1. The data is filtered on CRASH DATE (people_downsampled.csv) Year, Crash Date Year and Crash Type. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Crash Date Year filter keeps 11 members. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The view is filtered on Device Condition, Traffic Control Device and Trafficway Type. The Device Condition filter excludes OTHER and UNKNOWN. The Traffic Control Device filter keeps NO CONTROLS, STOP SIGN/FLASHER and TRAFFIC SIGNAL. The Trafficway Type filter keeps DIVIDED - W/MEDIAN (NOT RAISED), FOUR WAY, NOT DIVIDED, ONE-WAY and PARKING LOT.

Q1: Heatmap - Infrastructure Conditions for Traffic Control (2)



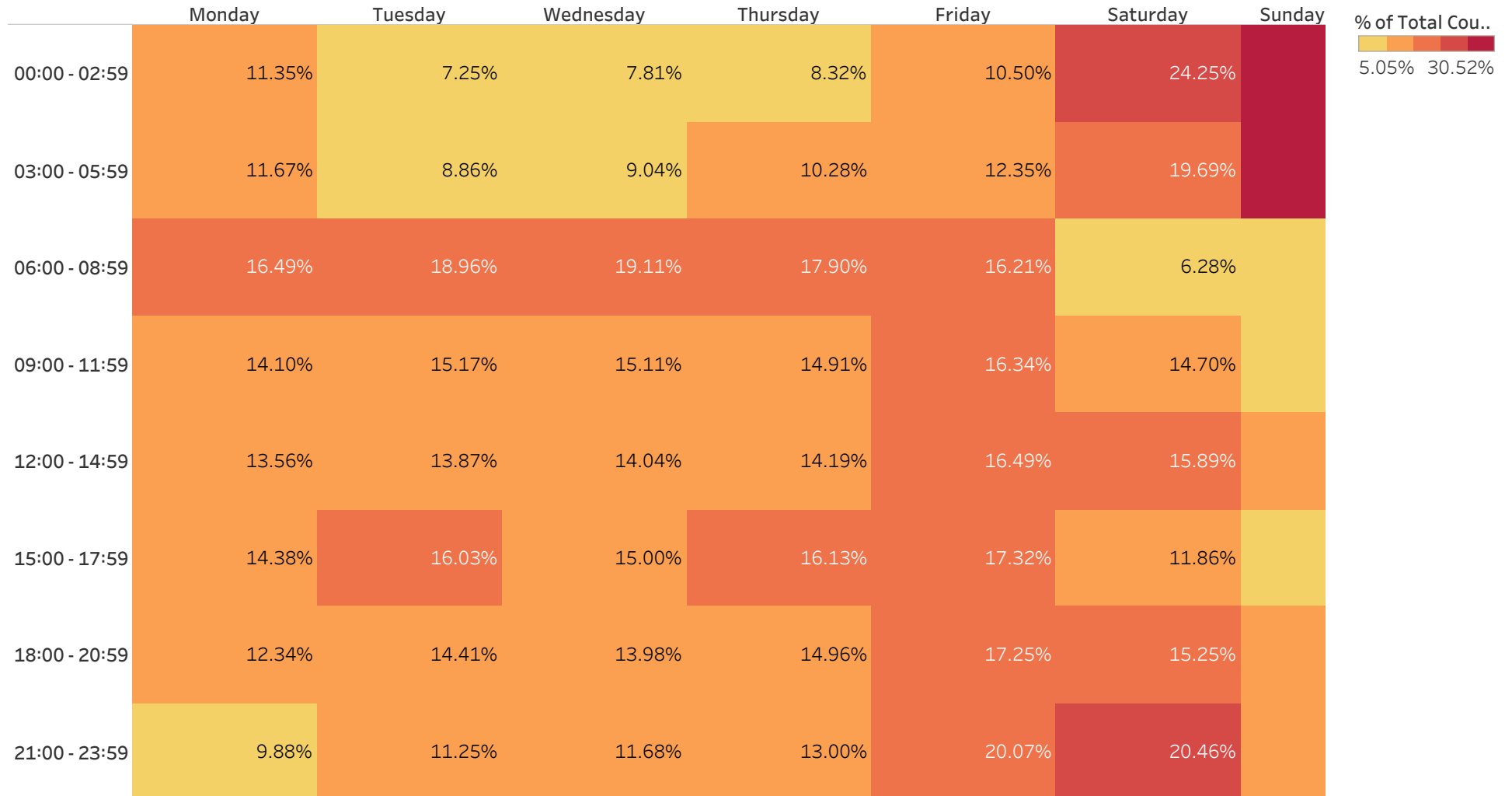
% of Total Count of crashes_downsampled.csv1 broken down by Trafficway Type vs. Traffic Control Device and Device Condition. Color shows % of Total Count of crashes_downsampled.csv1. The marks are labeled by % of Total Count of crashes_downsampled.csv1. The data is filtered on CRASH DATE (people_downsampled.csv) Year, Crash Date Year, Crash Type and Action (Device Condition,Trafficway Type,Traffic Control Device). The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Crash Date Year filter keeps 11 members. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The Action (Device Condition,Trafficway Type,Traffic Control Device) filter keeps 843 members. The view is filtered on Device Condition, Traffic Control Device and Trafficway Type. The Device Condition filter excludes OTHER and UNKNOWN. The Traffic Control Device filter keeps NO CONTROLS, STOP SIGN/FLASHER and TRAFFIC SIGNAL. The Trafficway Type filter keeps DIVIDED - W/MEDIAN (NOT RAISED), FOUR WAY, NOT DIVIDED, ONE-WAY and PARKING LOT.

Q1: Heatmap - Infrastructure Conditions for Traffic Control (2)



% of Total Count of crashes_downsampled.csv1 broken down by Trafficway Type vs. Traffic Control Device and Device Condition. Color shows % of Total Count of crashes_downsampled.csv1. The marks are labeled by % of Total Count of crashes_downsampled.csv1. The data is filtered on CRASH DATE (people_downsampled.csv) Year, Crash Date Year, Crash Type and Action (Device Condition,Trafficway Type,Traffic Control Device). The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Crash Date Year filter keeps 11 members. The Crash Type filter keeps INJURY AND / OR TOW DUE TO CRASH and NO INJURY / DRIVE AWAY. The Action (Device Condition,Trafficway Type,Traffic Control Device) filter keeps 843 members. The view is filtered on Device Condition, Traffic Control Device and Trafficway Type. The Device Condition filter excludes OTHER and UNKNOWN. The Traffic Control Device filter keeps NO CONTROLS, STOP SIGN/FLASHER and TRAFFIC SIGNAL. The Trafficway Type filter keeps DIVIDED - W/MEDIAN (NOT RAISED), FOUR WAY, NOT DIVIDED, ONE-WAY and PARKING LOT.

Crash Frequency by Time and Day of the Week

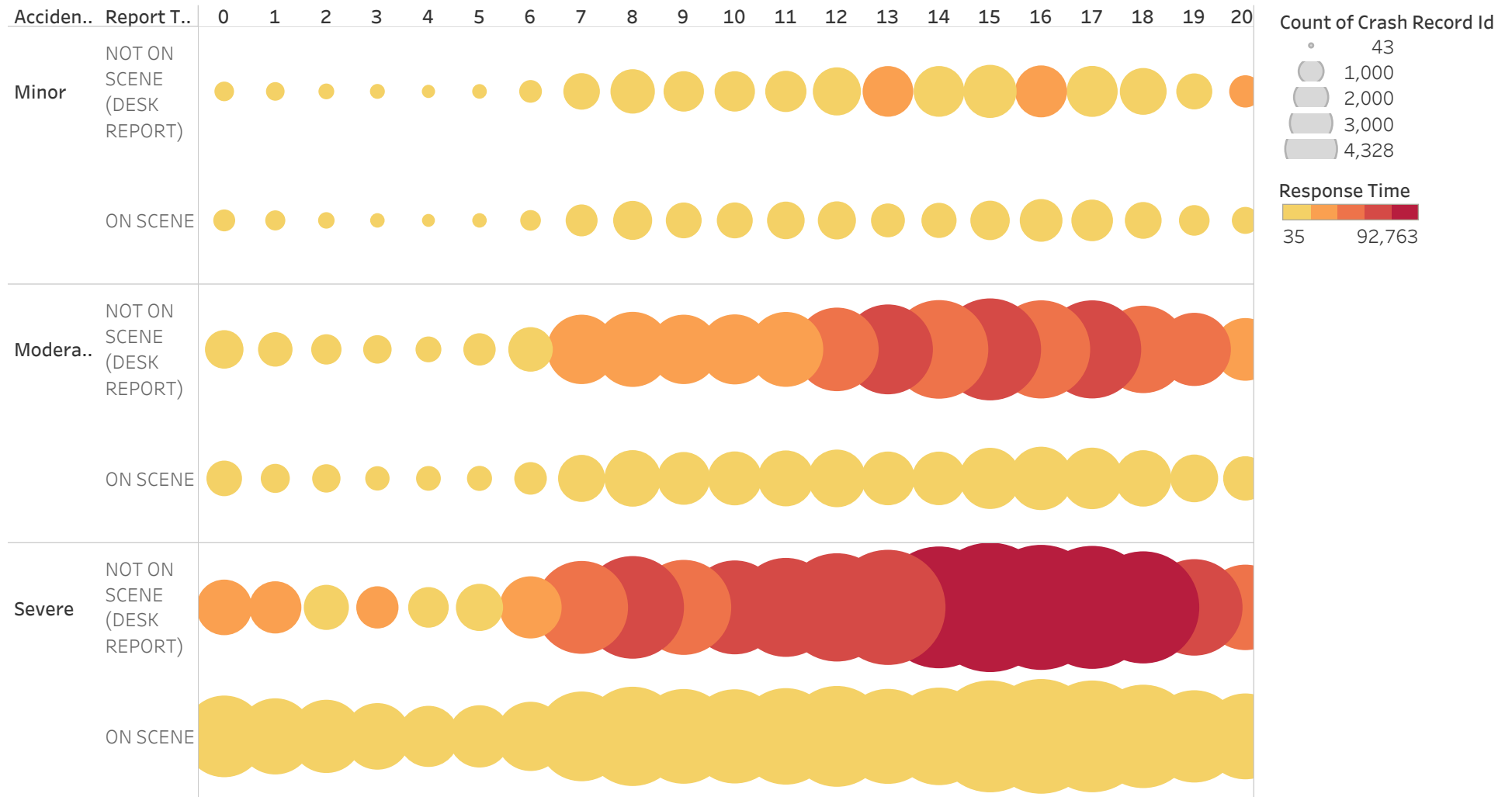


Crash Frequency by Time and Day of the Week



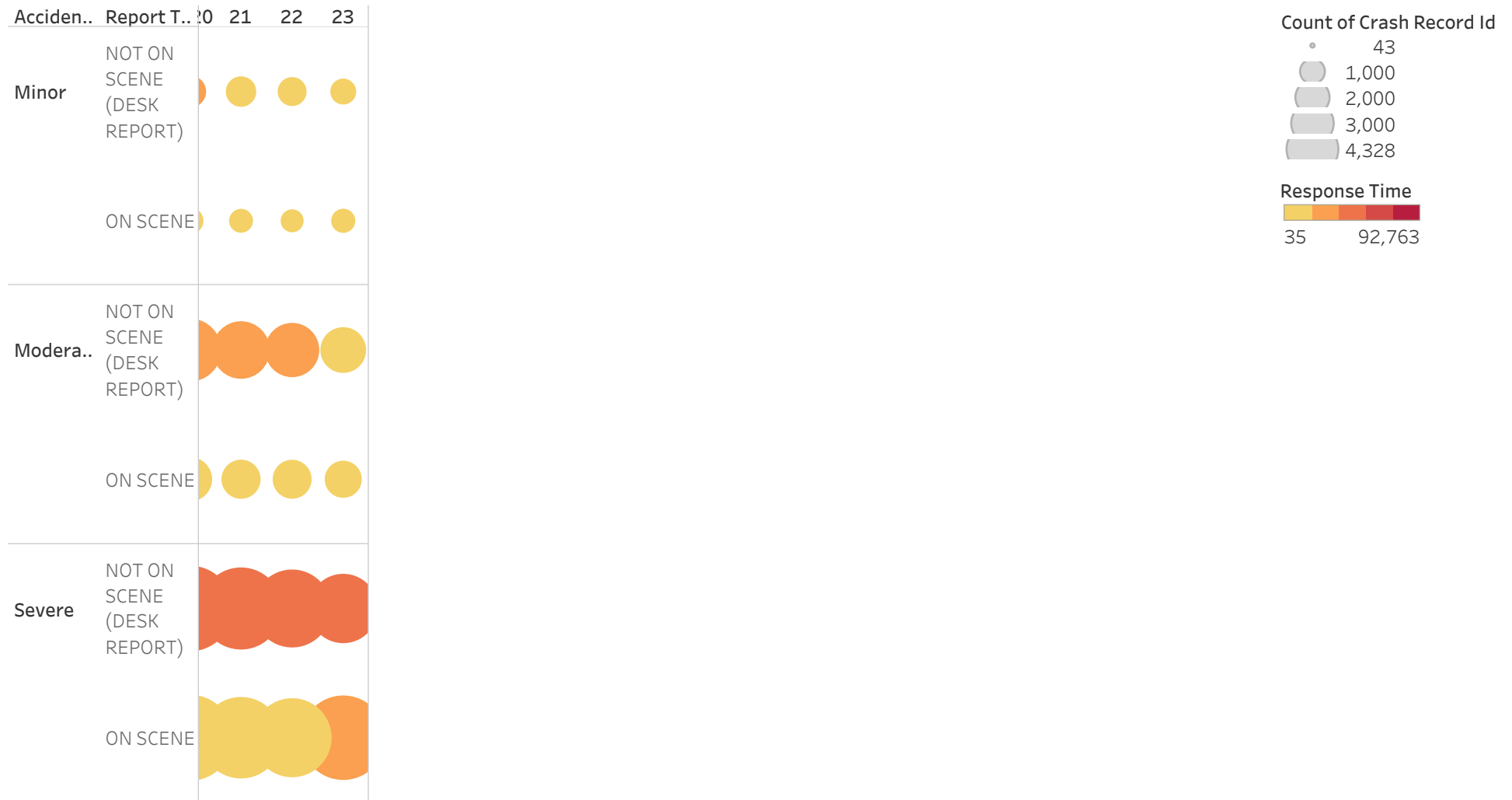
% of Total Count of crashes_downsampled.csv1 broken down by Crash Date Weekday vs. Time of Day Grouped. Color shows % of Total Count of crashes_downsampled.csv1. The marks are labeled by % of Total Count of crashes_downsampled.csv1. The data is filtered on Accident Severity, Zipcode, Damage, Travel Direction and CRASH DATE (people_downsampled.csv) Year. The Accident Severity filter keeps Minor, Moderate and Severe. The Zipcode filter excludes Null. The Damage filter keeps \$500 OR LESS, \$501 - \$1,500 and OVER \$1,500. The Travel Direction filter excludes Null and UNKNOWN. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members.

Emergency Response Times by Crash Severity and Report Status



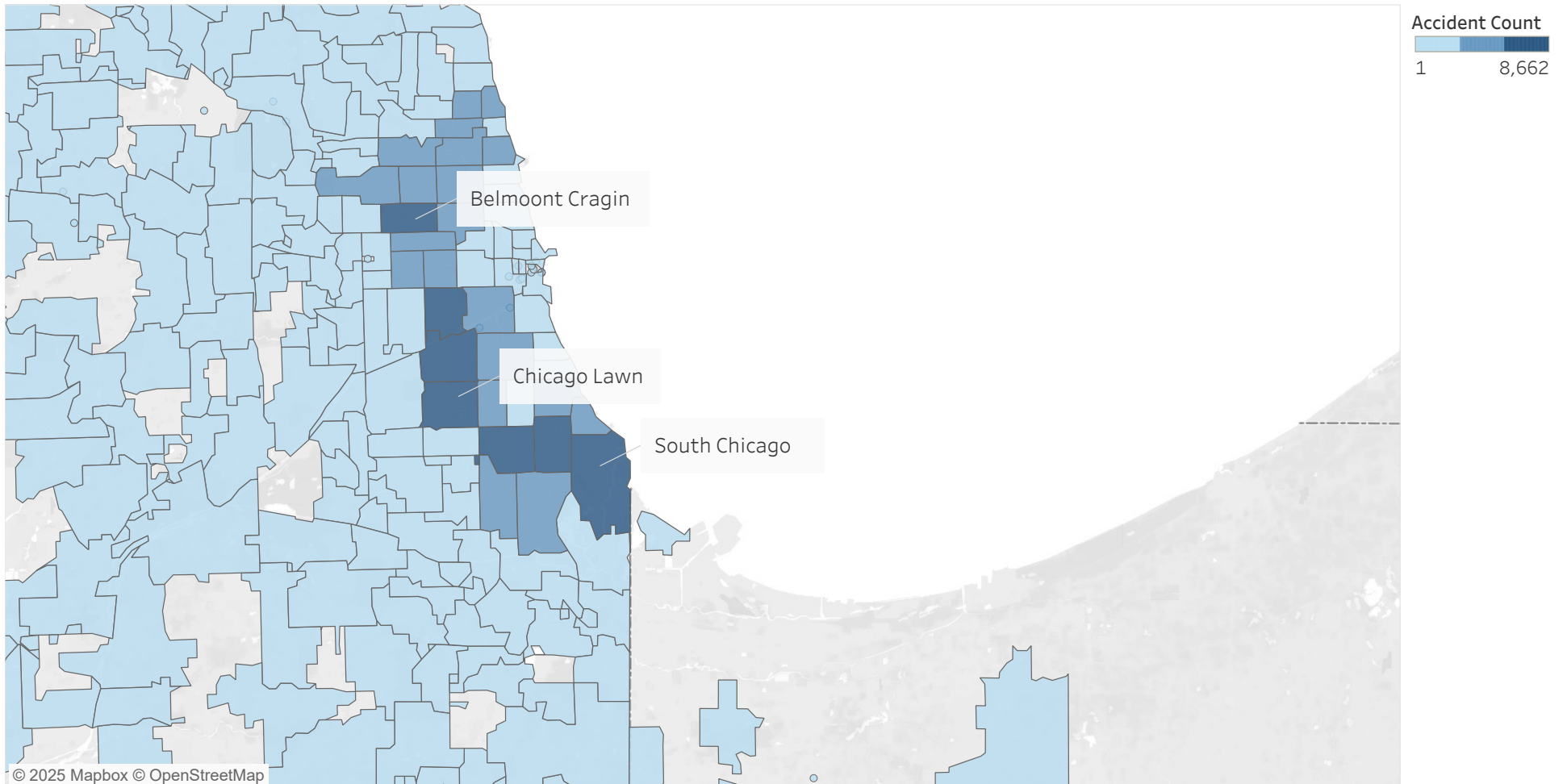
Sum of Response Time (color) and count of Crash Record Id (size) broken down by Crash Date Hour vs. Accident Severity and Report Type. The data is filtered on Damage, Travel Direction and CRASH DATE (people downsampled.csv) Year. The Damage filter keeps \$500 OR LESS, \$501 - \$1,500 and OVER \$1,500. The Travel Direction filter excludes Null and UNKNOWN. The CRASH DATE (people downsampled.csv) Year filter keeps 10 members. The view is filtered on Report Type and Accident Severity. The Report Type filter keeps NOT ON SCENE (DESK REPORT) and ON SCENE. The Accident Severity filter keeps Minor, Moderate and Severe.

Emergency Response Times by Crash Severity and Report Status



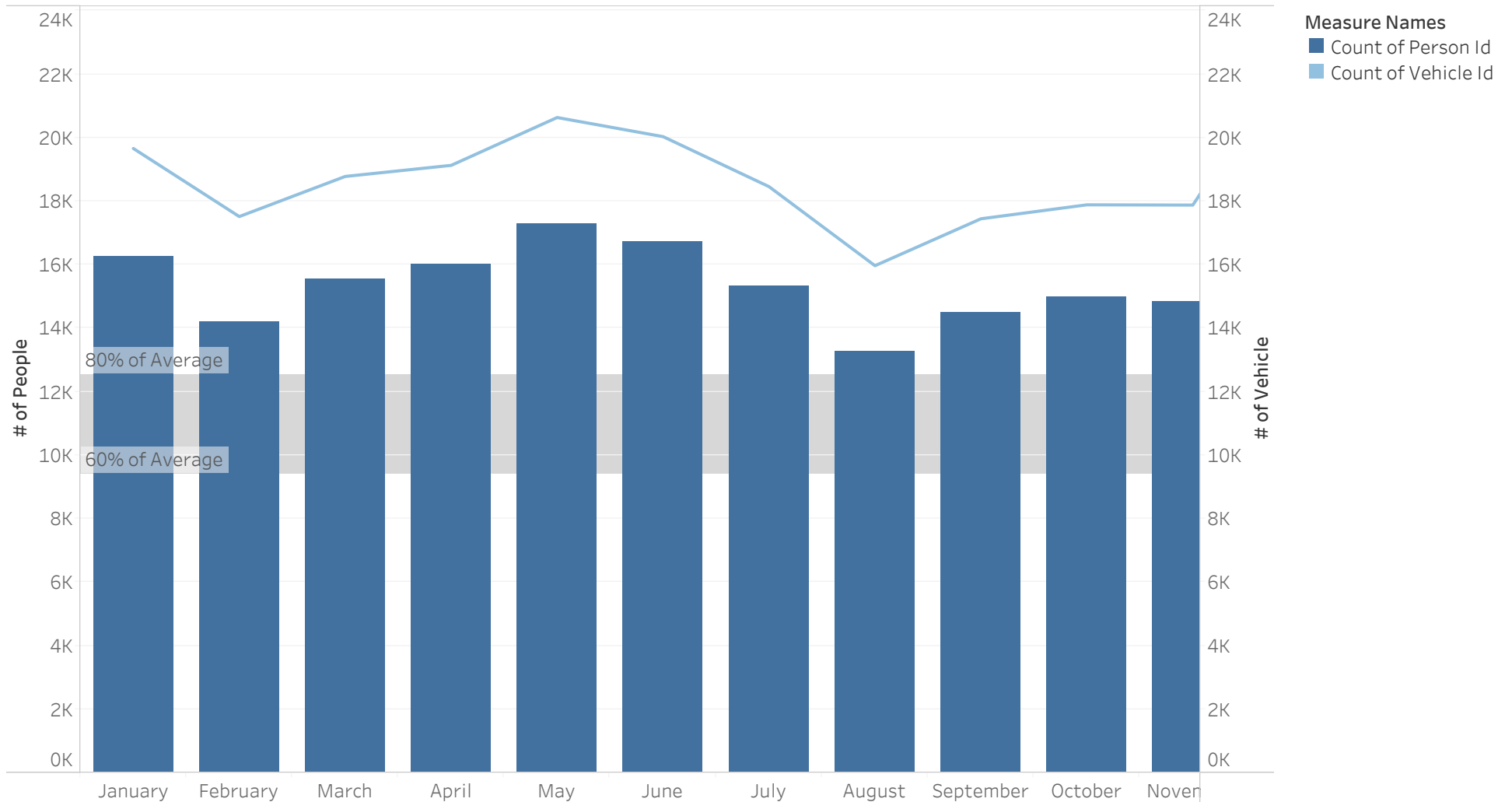
Sum of Response Time (color) and count of Crash Record Id (size) broken down by Crash Date Hour vs. Accident Severity and Report Type. The data is filtered on Damage, Travel Direction and CRASH DATE (people downsamped.csv) Year. The Damage filter keeps \$500 OR LESS, \$501 - \$1,500 and OVER \$1,500. The Travel Direction filter excludes Null and UNKNOWN. The CRASH DATE (people downsamped.csv) Year filter keeps 10 members. The view is filtered on Report Type and Accident Severity. The Report Type filter keeps NOT ON SCENE (DESK REPORT) and ON SCENE. The Accident Severity filter keeps Minor, Moderate and Severe.

Geographic Distribution of Crashes



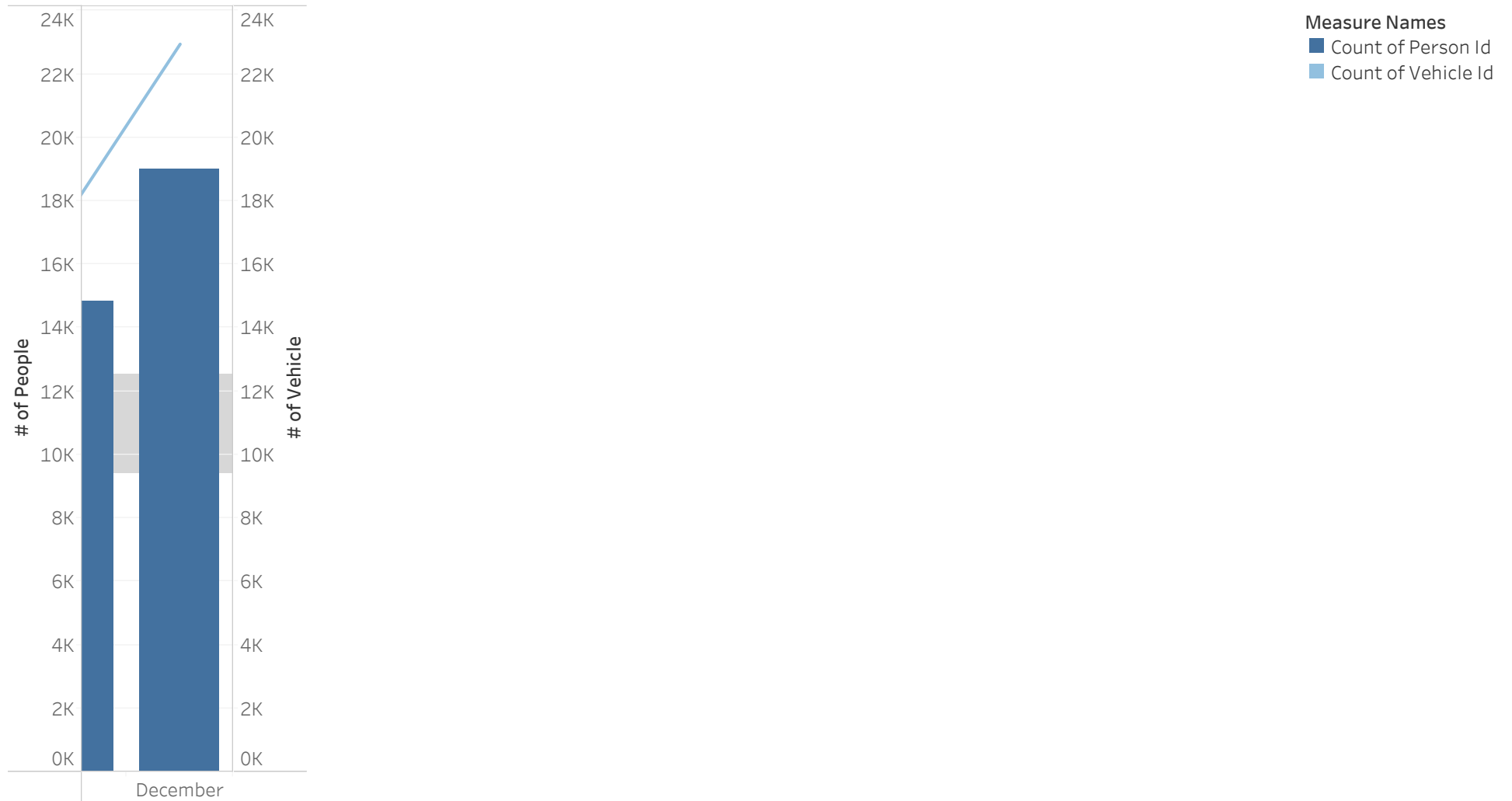
Map based on Longitude (generated) and Latitude (generated). Color shows count of people_downsampled.csv1. Details are shown for Zipcode. The data is filtered on Longitude, State, City, Action (HOUR(Crash Date),Accident Severity,Report Type), Accident Severity, Damage, Travel Direction and CRASH DATE (people_downsampled.csv) Year. The Longitude filter keeps non-Null values only. The State filter keeps IL. The City filter keeps CHICAGO. The Action (HOUR(Crash Date),Accident Severity,Report Type) filter keeps 251 members. The Accident Severity filter keeps multiple members. The Damage filter keeps \$500 OR LESS, \$501 - \$1,500 and OVER \$1,500. The Travel Direction filter excludes Null and UNKNOWN. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The view is filtered on Latitude (generated) and Longitude (generated). The Latitude (generated) filter keeps non-Null values only. The Longitude (generated) filter keeps non-Null values only.

Monthly Distribution of People and Vehicles Involved in Crashes in Chicago



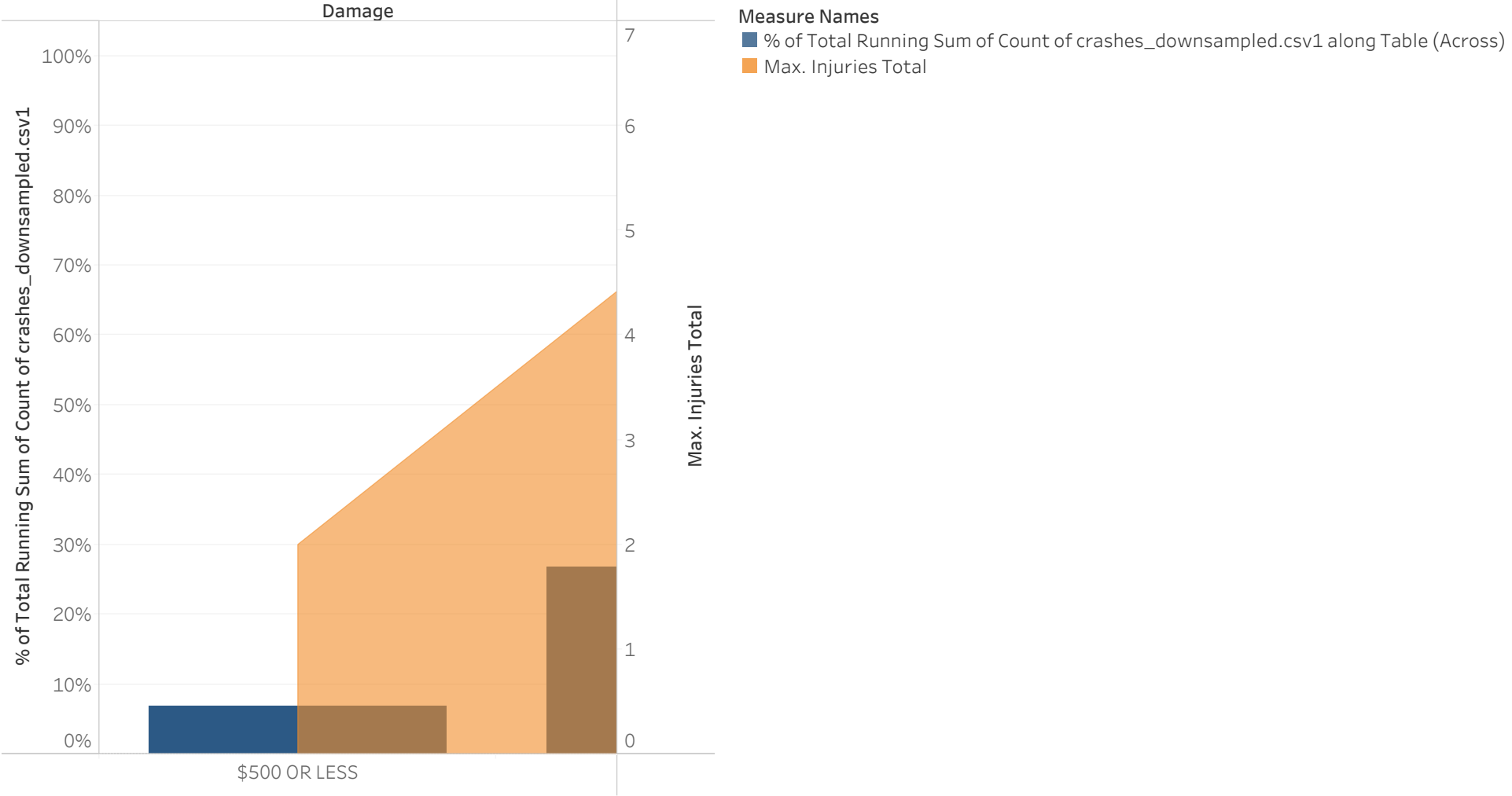
The trends of count of Person Id and count of Vehicle Id for CRASH DATE (people downsampled.csv) Month. Color shows details about count of Person Id and count of Vehicle Id. The data is filtered on City, CRASH DATE (people downsampled.csv) Year, CRASH DATE (people downsampled.csv) Year, Damage, Travel Direction, Action (HOUR(Crash Date),Accident Severity,Report Type) and Accident Severity. The City filter keeps CHICAGO. The CRASH DATE (people downsampled.csv) Year filter keeps 11 members. The CRASH DATE (people downsampled.csv) Year filter excludes Null and 2014. The Damage filter keeps \$500 OR LESS, \$501 - \$1,500 and OVER \$1,500. The Travel Direction filter excludes Null and UNKNOWN. The Action (HOUR(Crash Date),Accident Severity,Report Type) filter keeps 251 members. The Accident Severity filter keeps multiple members.

Monthly Distribution of People and Vehicles Involved in Crashes in Chicago



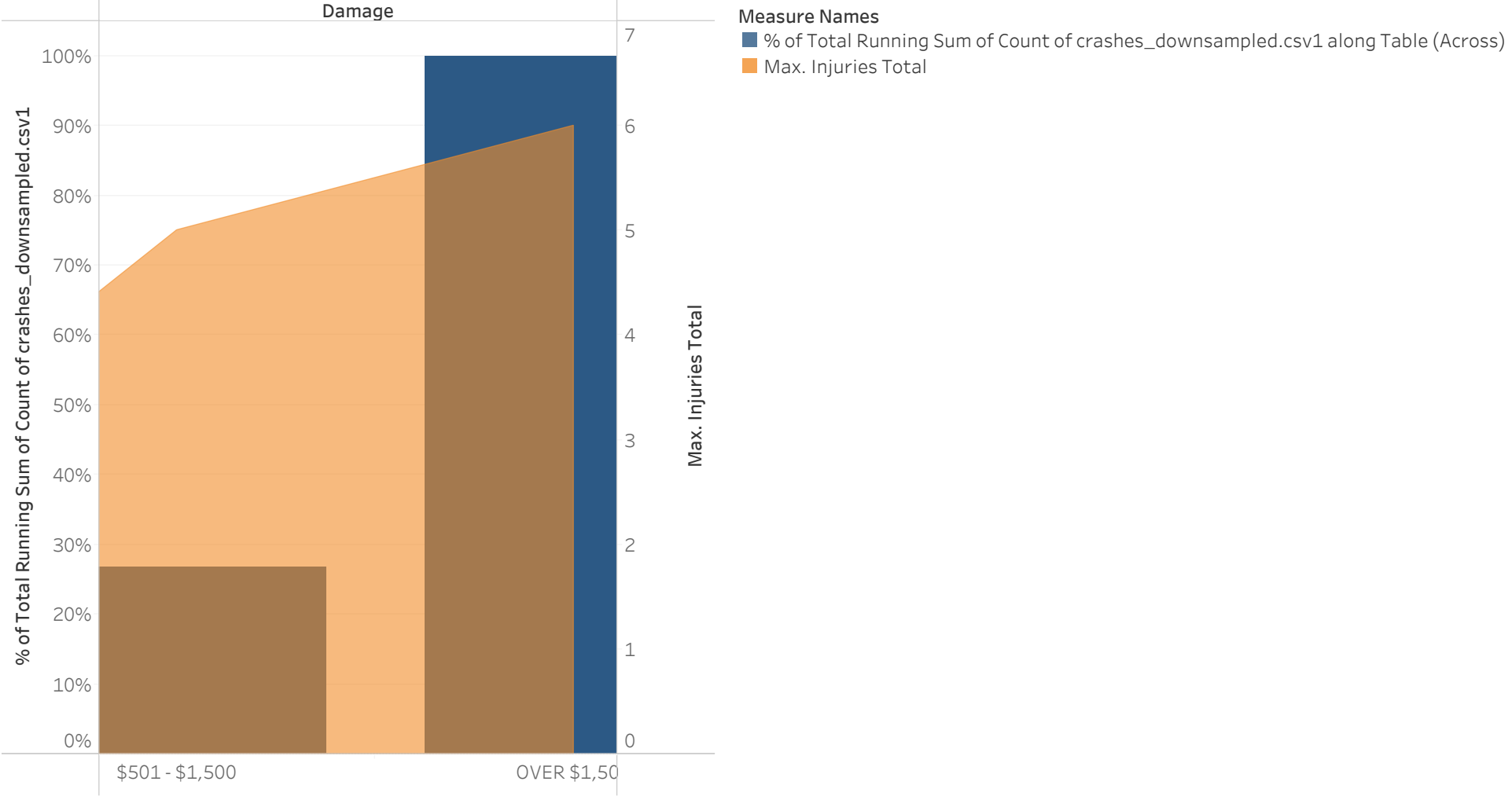
The trends of count of Person Id and count of Vehicle Id for CRASH DATE (people downsamped.csv) Month. Color shows details about count of Person Id and count of Vehicle Id. The data is filtered on City, CRASH DATE (people downsamped.csv) Year, CRASH DATE (people downsamped.csv) Year, Damage, Travel Direction, Action (HOUR(Crash Date),Accident Severity,Report Type) and Accident Severity. The City filter keeps CHICAGO. The CRASH DATE (people downsamped.csv) Year filter keeps 11 members. The CRASH DATE (people downsamped.csv) Year filter excludes Null and 2014. The Damage filter keeps \$500 OR LESS, \$501 - \$1,500 and OVER \$1,500. The Travel Direction filter excludes Null and UNKNOWN. The Action (HOUR(Crash Date),Accident Severity,Report Type) filter keeps 251 members. The Accident Severity filter keeps multiple members.

Damage Distribution by Cost and Associated Injury Severity



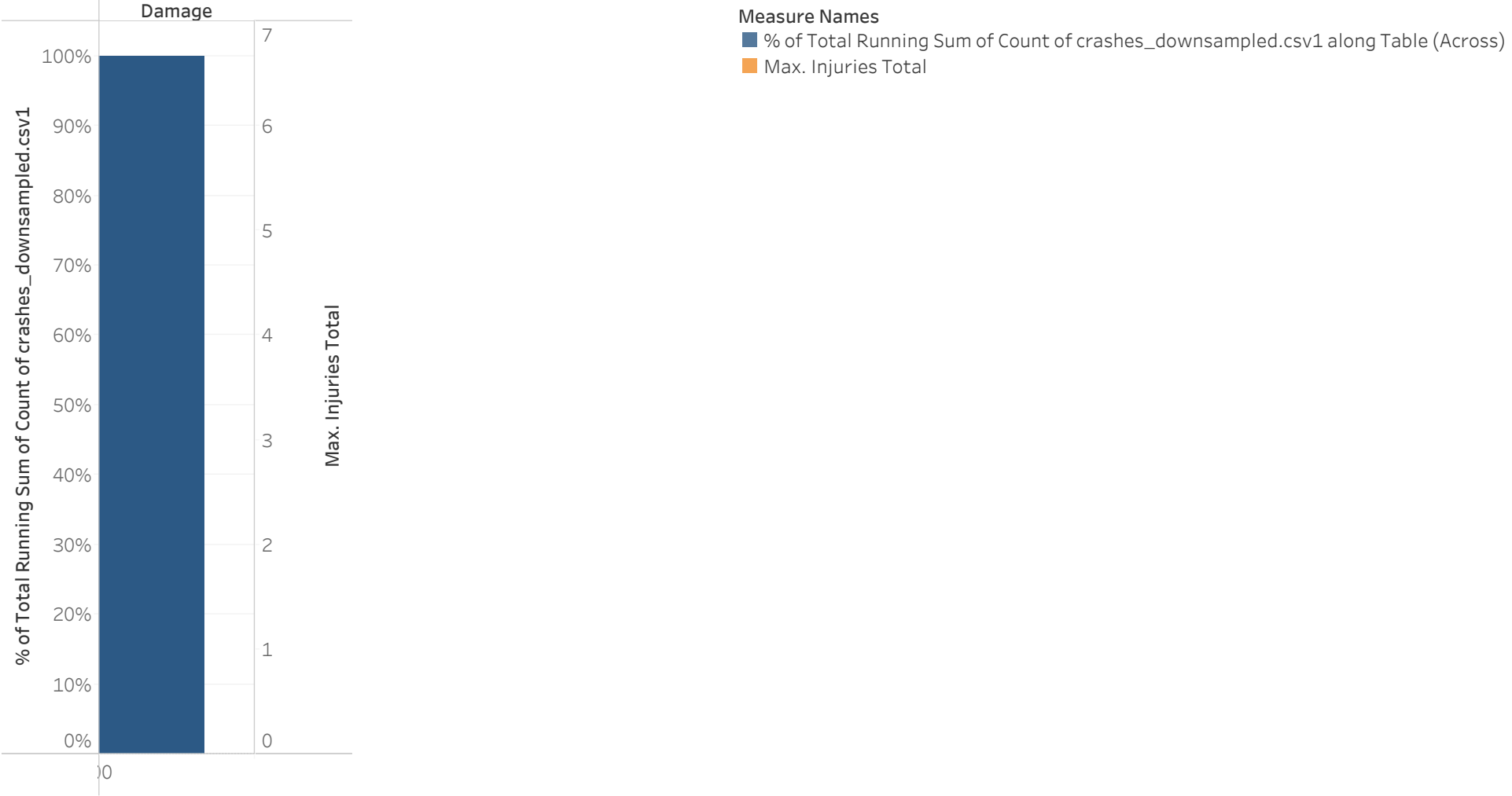
% of Total Running Sum of Count of crashes_downsampled.csv1 along Table (Across) and Max. Injuries Total for each Damage. Color shows details about % of Total Running Sum of Count of crashes_downsampled.csv1 along Table (Across) and Max. Injuries Total. The data is filtered on CRASH DATE (people downsamped.csv) Year, Vehicle Defect, Safety Equipment, Person Type and Sex. The CRASH DATE (people downsamped.csv) Year filter keeps 10 members. The Vehicle Defect filter excludes Null, NONE, OTHER and UNKNOWN. The Safety Equipment filter excludes Null. The Person Type filter excludes Null. The Sex filter keeps F, M and X.

Damage Distribution by Cost and Associated Injury Severity



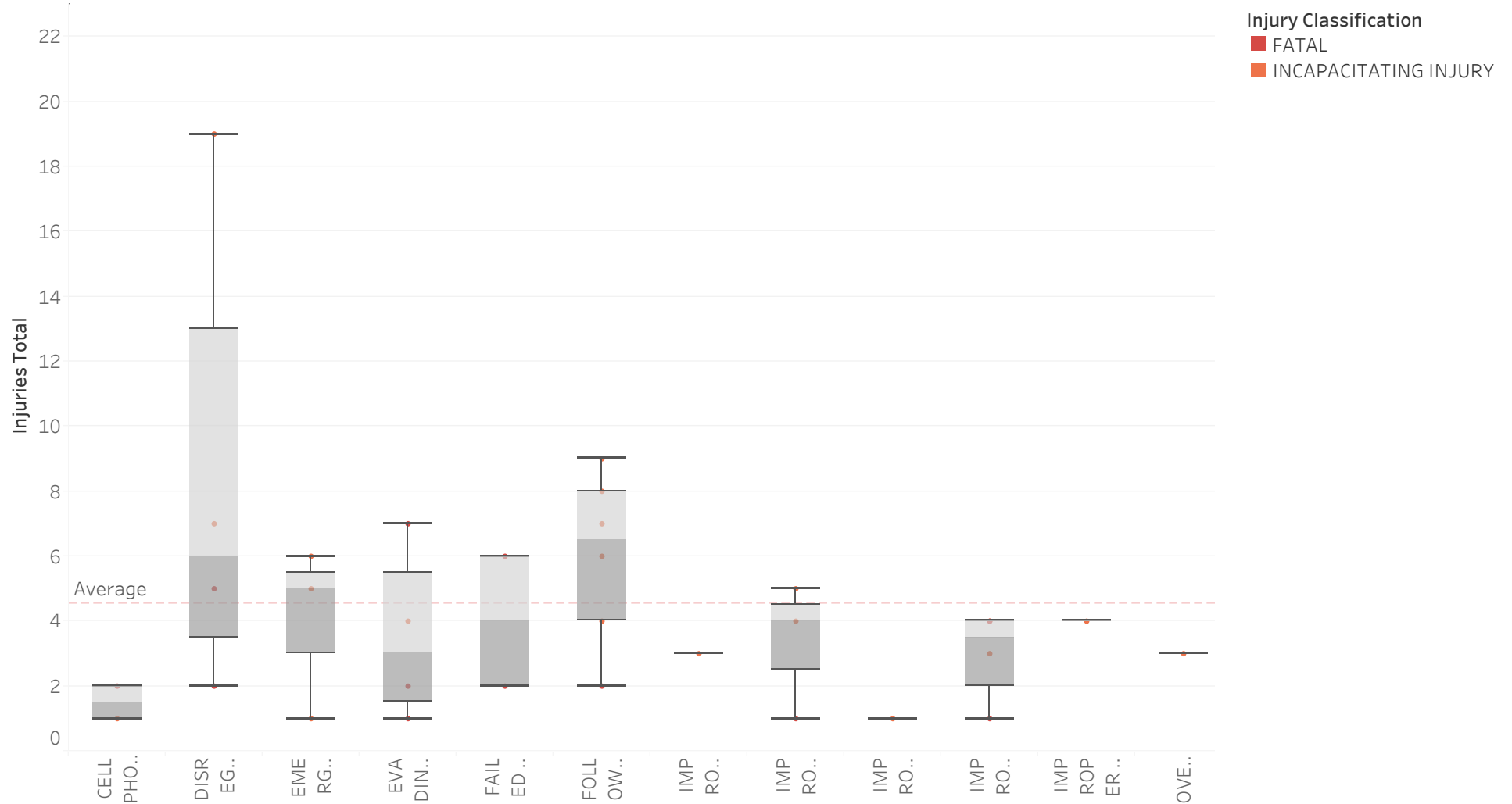
% of Total Running Sum of Count of crashes_downsampled.csv1 along Table (Across) and Max. Injuries Total for each Damage. Color shows details about % of Total Running Sum of Count of crashes_downsampled.csv1 along Table (Across) and Max. Injuries Total. The data is filtered on CRASH DATE (people downsamped.csv) Year, Vehicle Defect, Safety Equipment, Person Type and Sex. The CRASH DATE (people downsamped.csv) Year filter keeps 10 members. The Vehicle Defect filter excludes Null, NONE, OTHER and UNKNOWN. The Safety Equipment filter excludes Null. The Person Type filter excludes Null. The Sex filter keeps F, M and X.

Damage Distribution by Cost and Associated Injury Severity



% of Total Running Sum of Count of crashes_downsampled.csv1 along Table (Across) and Max. Injuries Total for each Damage. Color shows details about % of Total Running Sum of Count of crashes_downsampled.csv1 along Table (Across) and Max. Injuries Total. The data is filtered on CRASH DATE (people downsamped.csv) Year, Vehicle Defect, Safety Equipment, Person Type and Sex. The CRASH DATE (people downsamped.csv) Year filter keeps 10 members. The Vehicle Defect filter excludes Null, NONE, OTHER and UNKNOWN. The Safety Equipment filter excludes Null. The Person Type filter excludes Null. The Sex filter keeps F, M and X.

Injury Distribution by Behavioral Factors



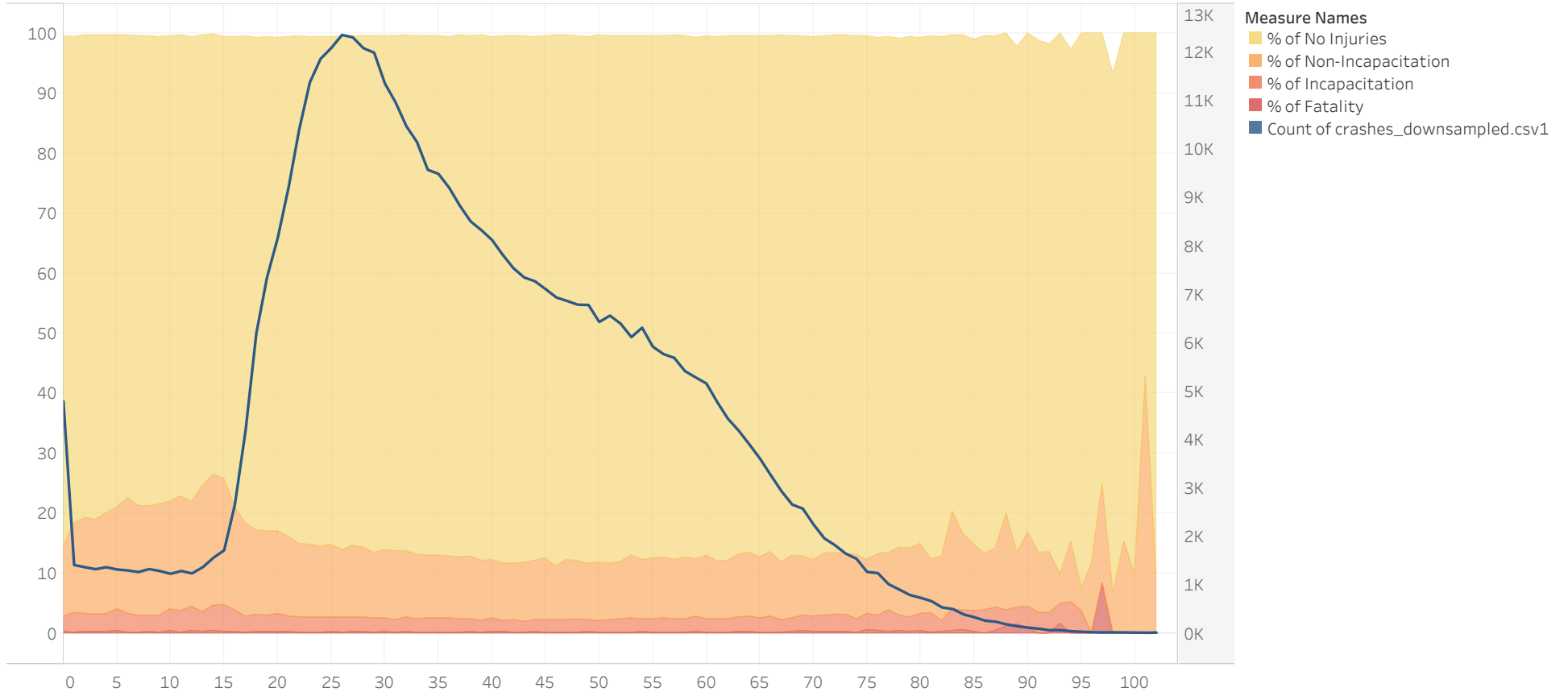
Injuries Total for each Driver Action. Color shows details about Injury Classification. The data is filtered on Rank Injuries Count, AGE1 as an attribute, Sex, Person Type and CRASH DATE (people downsamped.csv) Year. The Rank Injuries Count filter ranges from 1 to 6. The AGE1 as an attribute filter ranges from 0 to 104. The Sex filter keeps F, M and X. The Person Type filter excludes Null. The CRASH DATE (people downsamped.csv) Year filter keeps 10 members. The view is filtered on Injuries Total, Injury Classification and Driver Action. The Injuries Total filter keeps non-Null values only. The Injury Classification filter keeps FATAL and INCAPACITATING INJURY. The Driver Action filter excludes Null, LICENSE RESTRICTIONS, NONE, OTHER and UNKNOWN.

Injury Distribution by Behavioral Factors



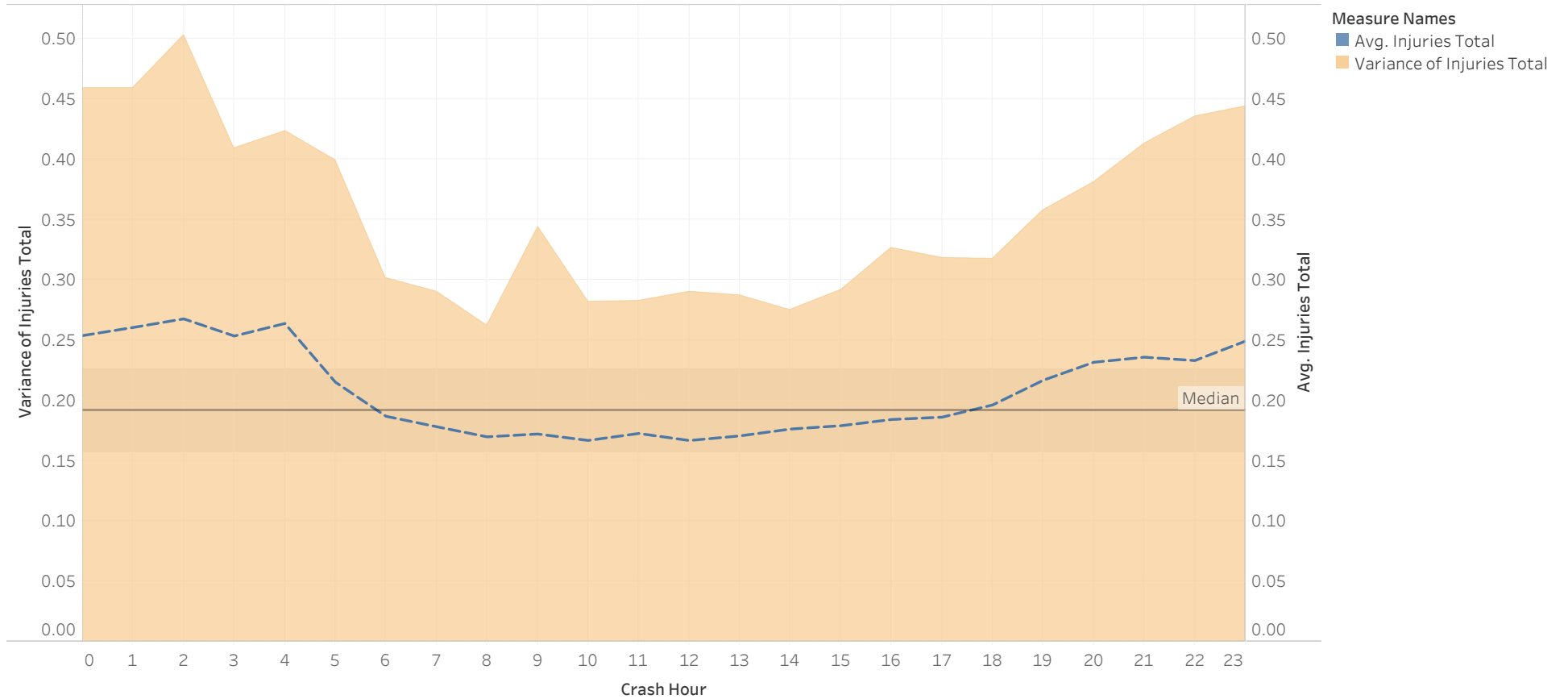
Injuries Total for each Driver Action. Color shows details about Injury Classification. The data is filtered on Rank Injuries Count, AGE1 as an attribute, Sex, Person Type and CRASH DATE (people downsamped.csv) Year. The Rank Injuries Count filter ranges from 1 to 6. The AGE1 as an attribute filter ranges from 0 to 104. The Sex filter keeps F, M and X. The Person Type filter excludes Null. The CRASH DATE (people downsamped.csv) Year filter keeps 10 members. The view is filtered on Injuries Total, Injury Classification and Driver Action. The Injuries Total filter keeps non-Null values only. The Injury Classification filter keeps FATAL and INCAPACITATING INJURY. The Driver Action filter excludes Null, LICENSE RESTRICTIONS, NONE, OTHER and UNKNOWN.

Age Distribution and Injury Types



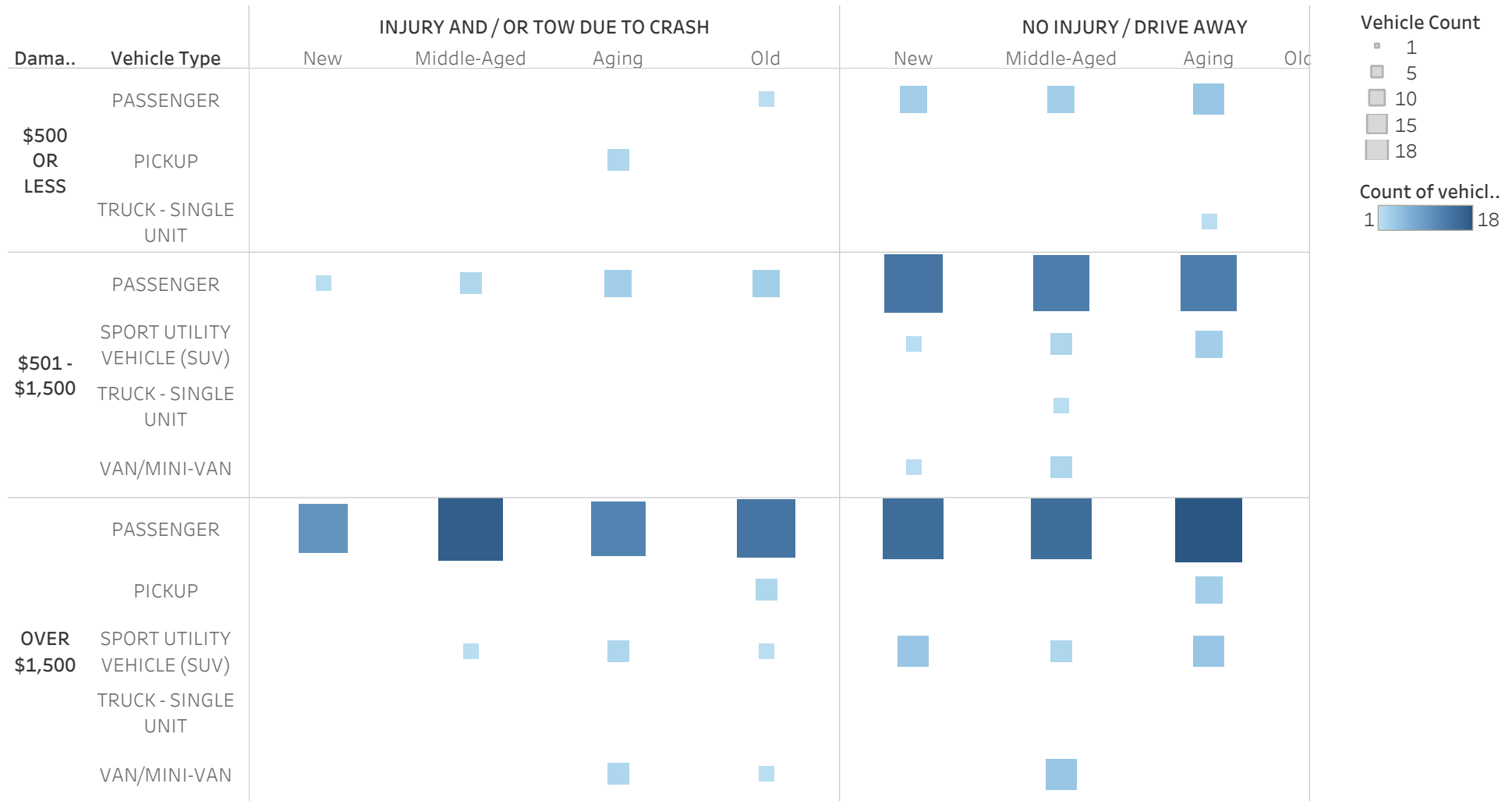
The trends of % of No Injuries, % of Non-Incapacitation, % of Incapacitation, % of Fatality, count of crashes_downsampled.csv1 and count of crashes_downsampled.csv1 for AGE1. Color shows details about % of No Injuries, % of Non-Incapacitation, % of Incapacitation, % of Fatality and count of crashes_downsampled.csv1. Details are shown for % of No Injuries, % of Non-Incapacitation, % of Incapacitation, % of Fatality and count of crashes_downsampled.csv1. The data is filtered on CRASH DATE (people_downsampled.csv) Year, Person Type and Sex. The CRASH DATE (people_downsampled.csv) Year filter keeps 10 members. The Person Type filter excludes Null. The Sex filter keeps F, M and X. The view is filtered on AGE1, which ranges from 0.0 to 102.0.

Q3 - Dual-axis: Injury Patterns by Hour



The trends of variance of Injuries Total and Avg. Injuries Total for Crash Hour. Color shows details about variance of Injuries Total and Avg. Injuries Total. The data is filtered on CRASH DATE (people_downsampled.csv) Year, which keeps 10 members.

Vehicle Age and Type Characteristics by Damage Cost and Crash Type

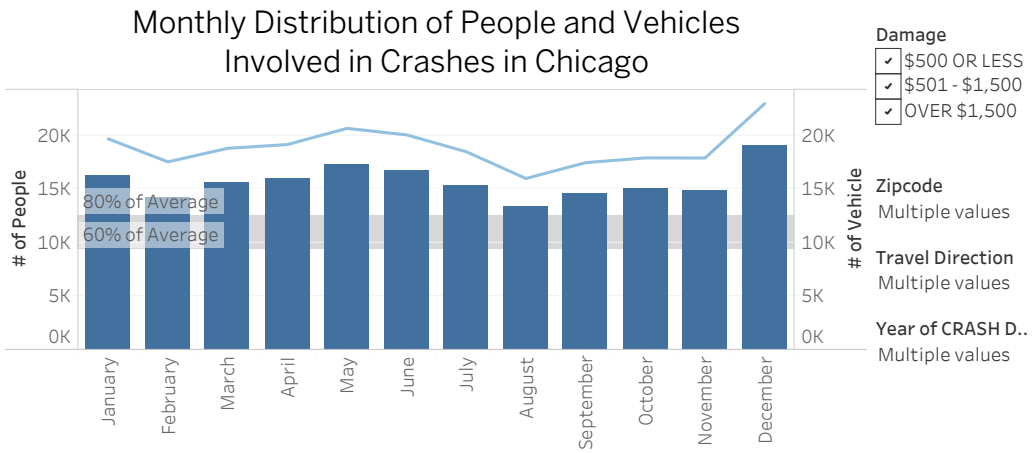
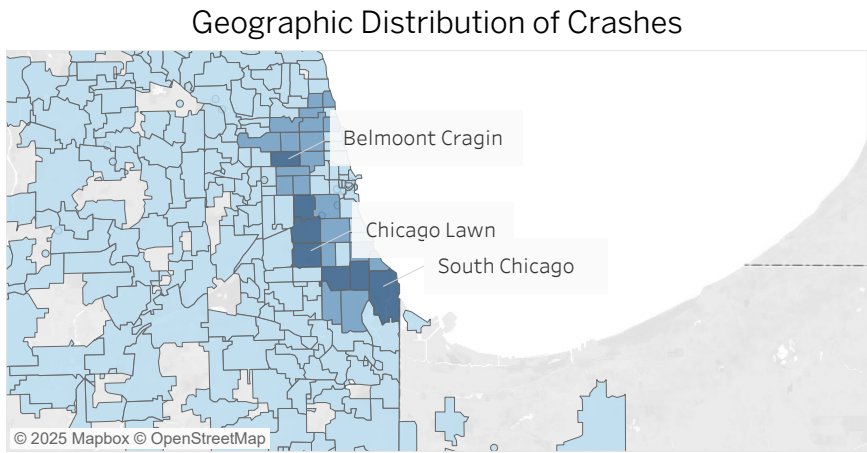
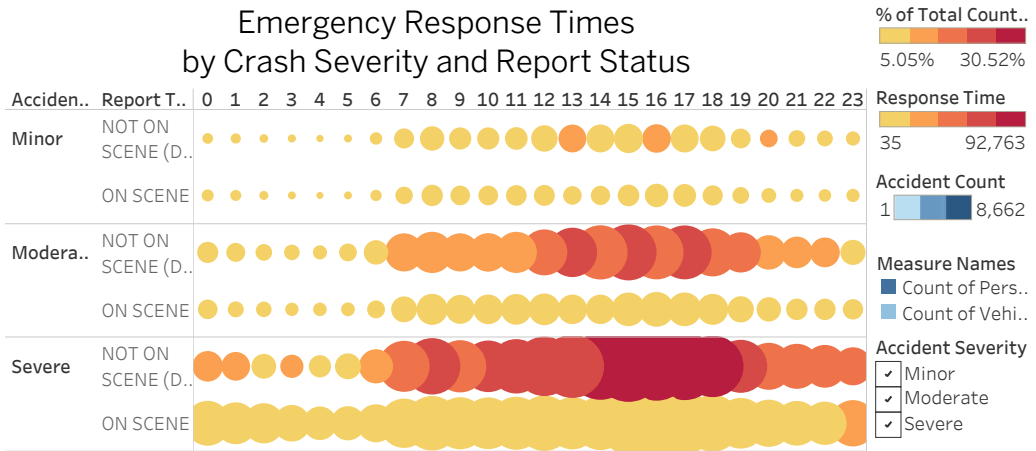
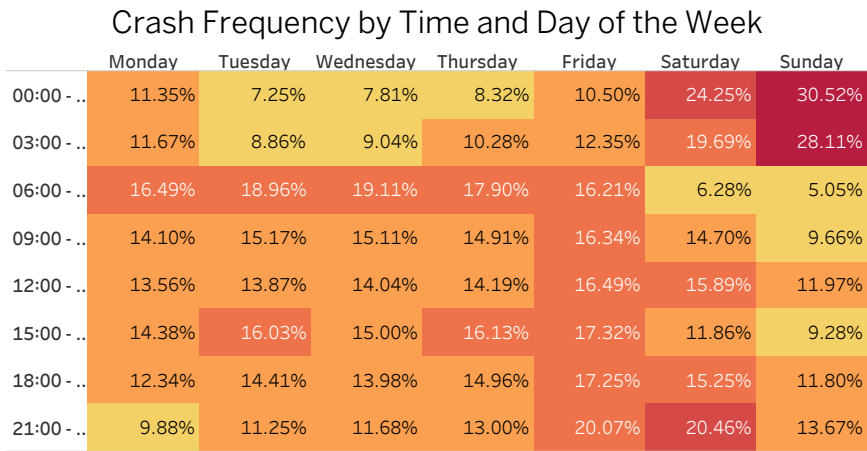


Count of vehicles_downsampled.csv (color) and count of vehicles_downsampled.csv (size) broken down by Crash Type and Vehicle Age Group vs. Damage and Vehicle Type. The data is filtered on Prim Contributory Cause, Driver Action, Vehicle Defect, Safety Equipment, CRASH DATE (people_downsampled.csv) Year and Sex. The Prim Contributory Cause filter keeps FAILING TO REDUCE SPEED TO AVOID CRASH, FAILING TO YIELD, RIGHT-OF-WAY, FOLLOWING TOO CLOSELY, IMPROPER BACKING and IMPROPER OVERTAKING/PASSING. The Driver Action filter keeps FAILED TO YIELD, FOLLOWED TOO CLOSELY, IMPROPER BACKING, IMPROPER LANE CHANGE and IMPROPER TURN. The Vehicle Defect filter excludes Null, NONE, OTHER and UNKNOWN. The Safety Equipment filter excludes Null. The CRASH DATE (people_downsampled.csv) Year filter excludes Null and 2014. The Sex filter keeps F, M and X. The view is filtered on Vehicle Type and Vehicle Age Group. The Vehicle Type filter keeps PASSENGER, PICKUP, SPORT UTILITY VEHICLE (SUV), TRUCK - SINGLE UNIT and VAN/MINI-VAN. The Vehicle Age Group filter keeps Aging, Middle-Aged, New and Old.

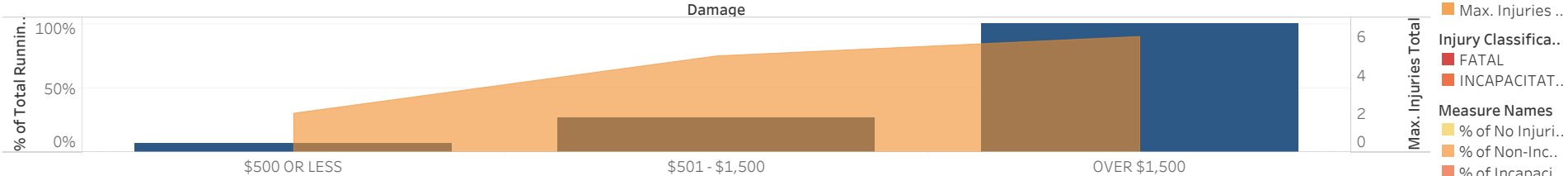
Vehicle Age and Type Characteristics by Damage Cost and Crash Type



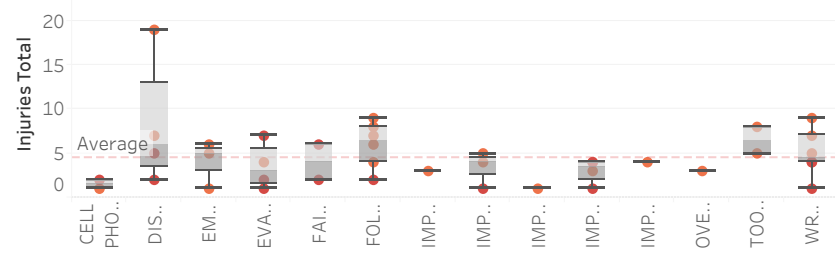
Count of vehicles_downsampled.csv (color) and count of vehicles_downsampled.csv (size) broken down by Crash Type and Vehicle Age Group vs. Damage and Vehicle Type. The data is filtered on Prim Contributory Cause, Driver Action, Vehicle Defect, Safety Equipment, CRASH DATE (people_downsampled.csv) Year and Sex. The Prim Contributory Cause filter keeps FAILING TO REDUCE SPEED TO AVOID CRASH, FAILING TO YIELD RIGHT-OF-WAY, FOLLOWING TOO CLOSELY, IMPROPER BACKING and IMPROPER OVERTAKING/PASSING. The Driver Action filter keeps FAILED TO YIELD, FOLLOWED TOO CLOSELY, IMPROPER BACKING, IMPROPER LANE CHANGE and IMPROPER TURN. The Vehicle Defect filter excludes Null, NONE, OTHER and UNKNOWN. The Safety Equipment filter excludes Null. The CRASH DATE (people_downsampled.csv) Year filter excludes Null and 2014. The Sex filter keeps F, M and X. The view is filtered on Vehicle Type and Vehicle Age Group. The Vehicle Type filter keeps PASSENGER, PICKUP, SPORT UTILITY VEHICLE (SUV), TRUCK - SINGLE UNIT and VAN/MINI-VAN. The Vehicle Age Group filter keeps Aging, Middle-Aged, New and Old.



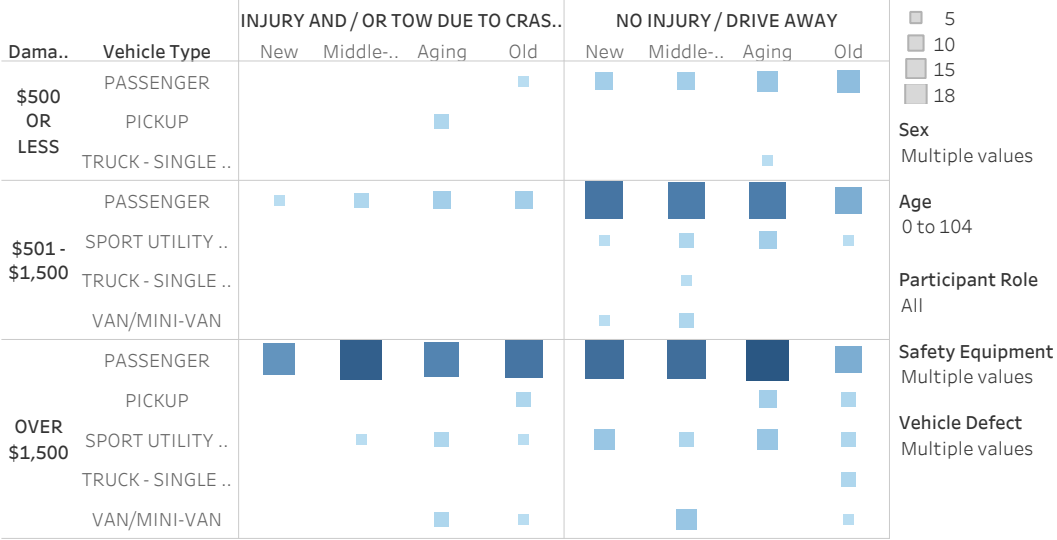
Damage Distribution by Cost and Associated Injury Severity



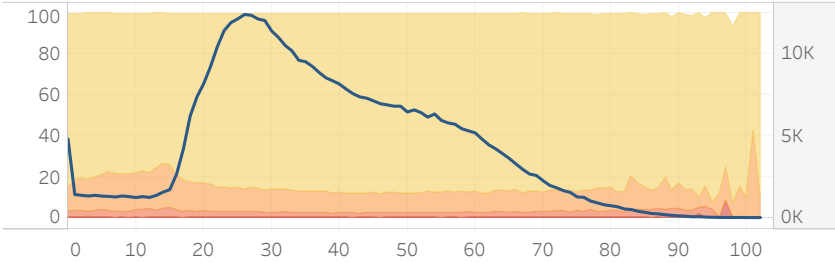
Injury Distribution by Behavioral Factors



Vehicle Age and Type Characteristics by Damage Cost and Crash Type



Age Distribution and Injury Types



Chicago Traffic Crash Analysis

Contributory Factors Analy..

Spatio-temporal Anal..

Crash Impact Analysis: Vehi..

# Weather	# Lighting	# Vision	# Trafficway	# Alignment	# Road Surfa..	# Vehicle Ty..	# Vehicle Use	AVG Vehi..	AVG Peo..	Incident Count	% of Total Count..
CLEAR	DAYLIGHT	NOT OBSCURED	NOT DIVIDED	STRAIGHT AND LEVEL	DRY	PASSENGER	PERSONAL	34,117	64,492	292,777	0.00% 62.23%

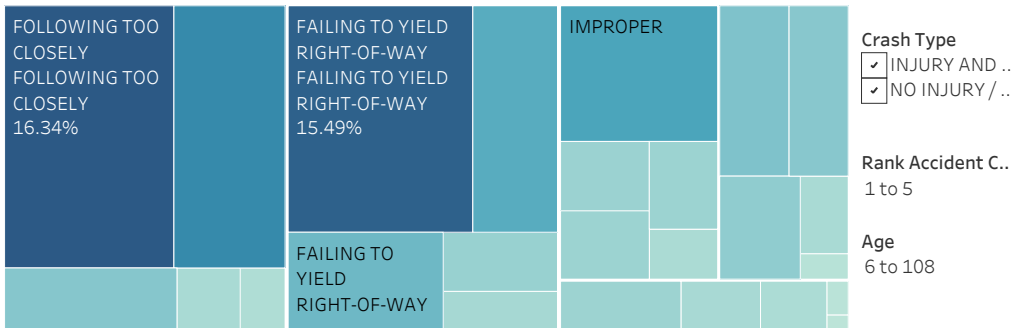
Infrastructure Conditions by Trafficway Type

Traffic ..	Device Condition	DIVIDED - W..	FOUR WAY	NOT DIVIDED	ONE-WAY	PARKING LOT
NO CON TROLS	FUNCTIONING P..	0.58%	0.27%	0.54%	0.48%	0.39%
	WORN REFLECTI..	0.00%		0.00%	0.00%	
	FUNCTIONING I..	0.04%		0.03%	0.02%	0.03%
STOP SI GN/FLAS HER	FUNCTIONING P..	7.97%	23.41%	8.37%	7.24%	0.84%
	WORN REFLECTI..	0.02%	0.01%	0.00%	0.01%	
	FUNCTIONING I..	0.12%	0.26%	0.14%	0.10%	0.01%
TRAFFIC SIGNAL	FUNCTIONING P..	36.95%	62.23%	26.90%	12.36%	0.41%
	WORN REFLECTI..	0.02%	0.02%	0.01%	0.01%	
	FUNCTIONING I..	0.46%	0.73%	0.32%	0.16%	0.02%
NO CON TROLS	NOT FUNCTIONI..	0.13%	0.03%	0.12%	0.17%	0.20%
	MISSING	0.00%		0.00%	0.00%	0.01%
	NO CONTROLS	51.78%	8.29%	61.23%	77.90%	97.80%
STOP SI GN/FLAS HER	NOT FUNCTIONI..	0.06%	0.11%	0.04%	0.02%	
	MISSING	0.00%	0.02%	0.01%		
	NO CONTROLS	1.01%	3.29%	1.52%	1.27%	0.23%
TRAFFIC SIGNAL	NOT FUNCTIONI..	0.17%	0.44%	0.11%	0.03%	0.01%
	MISSING	0.00%		0.00%		
	NO CONTROLS	0.68%	0.89%	0.65%	0.23%	0.06%

Driver Actions Contributing to Accidents by Gender

Driver Action	F	M	X	Sex
FAILED TO YIELD	33.18%	29.77%	35.97%	F
FOLLOWED TOO CLOSELY	19.99%	20.50%	20.99%	M
IMPROPER BACKING	9.46%	10.13%	16.24%	X
IMPROPER TURN	8.92%	9.12%	12.77%	
IMPROPER LANE CHANGE	8.82%	8.46%	14.05%	

Top Driver Behaviors Leading to Crashes



Chicago Traffic Crash Analysis

Contributory
Factors Analy..

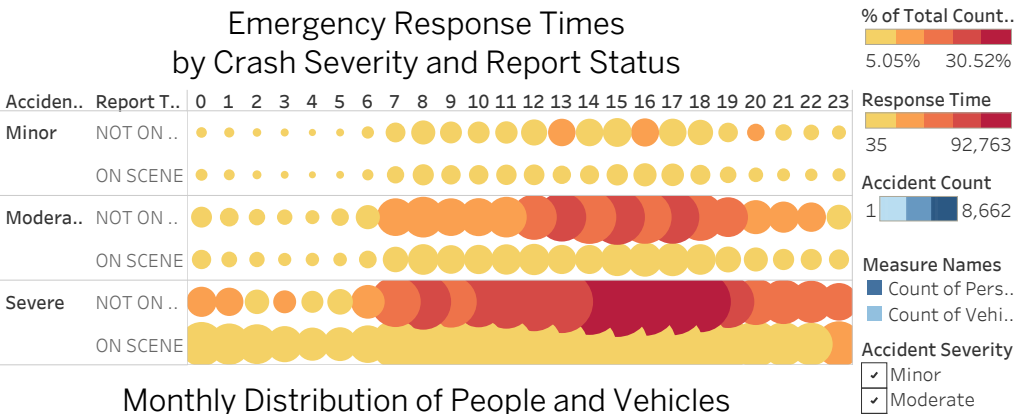
Spatio-
temporal Anal..

Crash Impact
Analysis: Vehi..

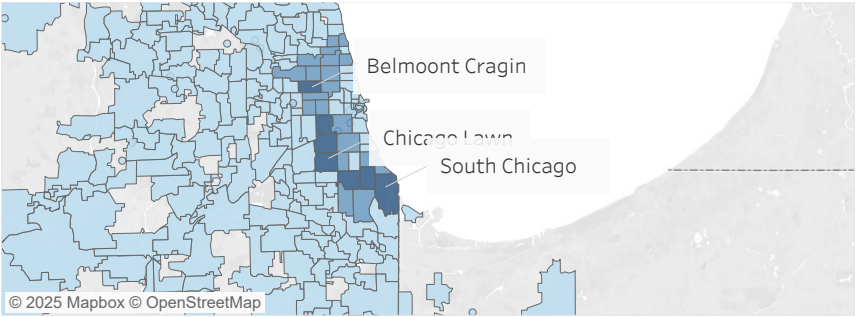
Crash Frequency by Time and Day of the Week

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
00:00 - ..	11.35%	7.25%	7.81%	8.32%	10.50%	24.25%	30.52%
03:00 - ..	11.67%	8.86%	9.04%	10.28%	12.35%	19.69%	28.11%
06:00 - ..	16.49%	18.96%	19.11%	17.90%	16.21%	6.28%	5.05%
09:00 - ..	14.10%	15.17%	15.11%	14.91%	16.34%	14.70%	9.66%
12:00 - ..	13.56%	13.87%	14.04%	14.19%	16.49%	15.89%	11.97%
15:00 - ..	14.38%	16.03%	15.00%	16.13%	17.32%	11.86%	9.28%
18:00 - ..	12.34%	14.41%	13.98%	14.96%	17.25%	15.25%	11.80%
21:00 - ..	9.88%	11.25%	11.68%	13.00%	20.07%	20.46%	13.67%

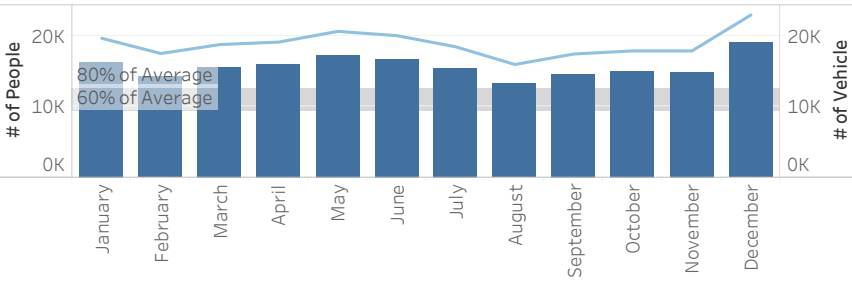
Emergency Response Times
by Crash Severity and Report Status



Geographic Distribution of Crashes



Monthly Distribution of People and Vehicles
Involved in Crashes in Chicago



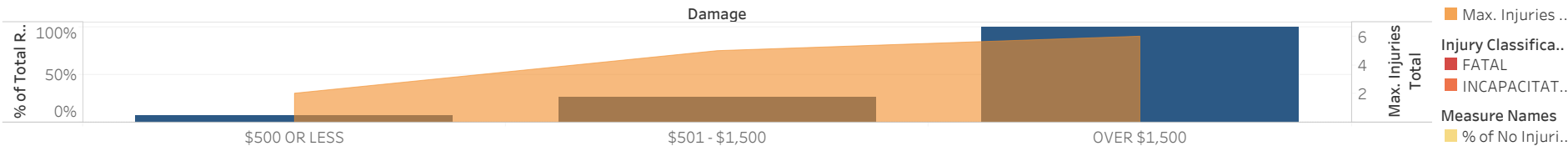
Chicago Traffic Crash Analysis

Contributory
Factors Analy..

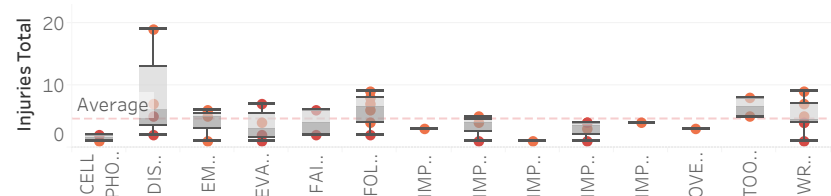
Spatio-
temporal Anal..

Crash Impact
Analysis: Vehi..

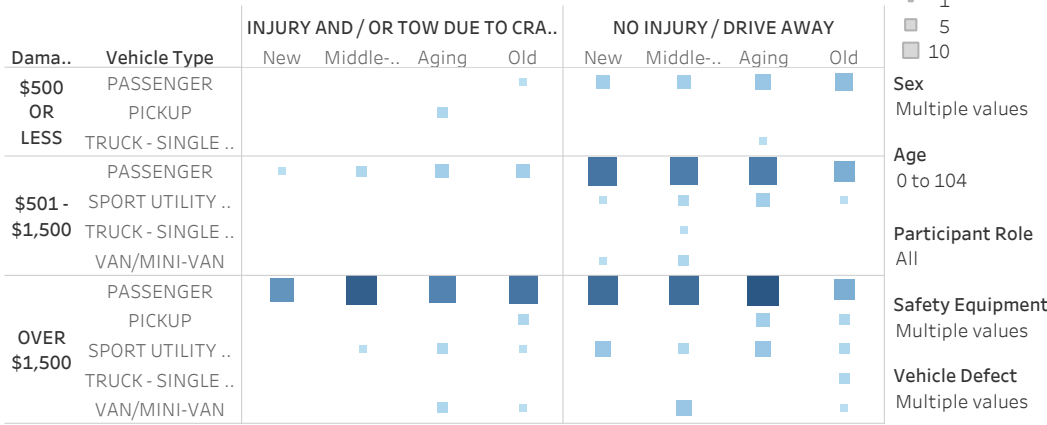
Damage Distribution by Cost and Associated Injury Severity



Injury Distribution by Behavioral Factors



Vehicle Age and Type Characteristics
by Damage Cost and Crash Type



Age Distribution and Injury Types

