## SPEED CAMERA ANALYSIS

FROM JULY 6 2015 - AUGUST 26 2015







Gregory Pashayan

#### **QUESTIONS**

- Who would be interested in this analysis?
- WHAT INTERSECTIONS GENERATE THE MOST FINES?
- What day was the most fines generated?
- HOW MANY OFFENCES WERE ISSUED TO PEOPLE WHO'S CAR IS REGISTERED OUT OF STATE?
- WHAT TIMES HAVE THE MOST OFFENCES?
- WHAT CAR MAKE APPEARS THE MOST IN THE DATA SET?

# WHO WOULD BE INTERESTED IN THIS ANALYSIS

- INSURANCE COMPANIES
- CITY AGENCIES SUCH AS:
- NYPD
- DOT
- TL&C
- CITY HALL

### PROGRAMS USED

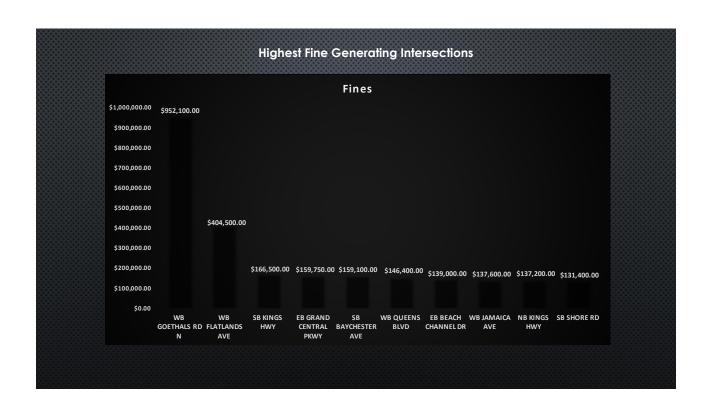
- R FOR ANALYTICS
- TABLEAU FOR VISUALIZATIONS
  AND MAPPING
- EXCEL FOR CLEANING THE DATA

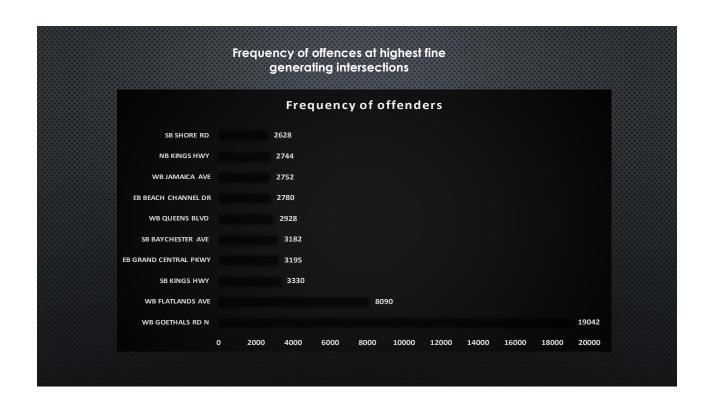
#### <u>Da</u>ta Source:

NYC open data

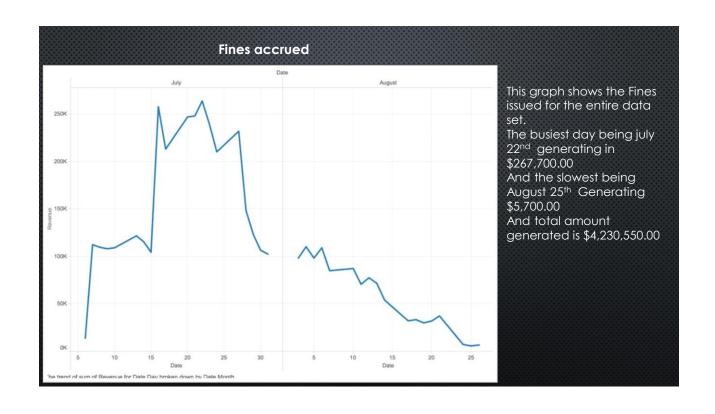
100	QQQ	0000	0000	00000	0000	0000	20000	0000	00000	20000	20000	9999	9999
	Α	В	С	D	E	F	G	Н	- 1	J	K	L	М
L		Summons.N		Registration.				Street.Name	Intersecting.	Vehicle.Year		min	a_p
	1	4608517582	M64258	NY	7/6/15	CHEVR	0732A	NB 1 AV E10	110 ST	2010	7		
	2	4608517594	GWF8748	NY	7/6/15	INFIN	0339P	SB WOODHA	FURMANVIL	2012	3	39	P
_	3	4608517612	GFM3686	NY	7/6/15	HYUND	0421P	SB WOODHA	FURMANVIL	2015	- 4	21	P
	4	4608517650	GKU3903	NY	7/6/15	HONDA	0425P	SB WOODHA	FURMANVIL	2013	- 4	25	P
	5	4608517661	GWE1065	NY	7/6/15	FORD	0425P	SB WOODHA	FURMANVIL	2008	- 4	25	P
	6	4608517673	GFN7466	NY	7/6/15	TOYOT	0431P	WB GOETHA	ULES DR	2010	- 4	31	P
	7	4608517685	GHW4007	NY	7/6/15	GMC	0433P	WB GOETHA	ULES DR	2011	4	33	P
	8	4608517697	GZU7877	NY	7/6/15	HONDA	0433P	WB JAMAICA	TH ST	2001	4	33	P
	9	4608517703	GLB5149	NY	7/6/15	HONDA	0434P	WB GOETHA	ULES DR	2013	4	34	P
	10	4608517715	GLY1221	NY	7/6/15	FORD	0434P	WB JAMAICA	TH ST	2010	4	34	P
	11	4608517727	GGC8771	NY	7/6/15	HYUND	0435P	WB JAMAICA	TH ST	2013	- 4	35	P
	12	4608517740	GKY4087	NY	7/6/15	TOYOT	0436P	NB KINGS HV	H ST	2001	4	36	P
	13	4608517752	GVG7113	NY	7/6/15	ACURA	0436P	WB JAMAICA	TH ST	2015	- 4	36	P
	14	4608517776	GCV7209	NY	7/6/15	CHEVR	0437P	WB GOETHA	ULES DR	2013	4	37	P
	15	4608517788	GLW3035	NY	7/6/15	SUBAR	0438P	WB JAMAICA	TH ST	2014	4	38	P
	16	4608517806	GUW9830	NY	7/6/15	NISSA	0439P	WB GOETHA	ULES DR	2007	4	39	P
	17	4608517818	GZN5352	NY	7/6/15	TOYOT	0441P	WB GOETHA	ULES DR	2011	4	41	P
	18	4608517820	GSD8223	NY	7/6/15	CHEVR	0441P	SB WOODHA	FURMANVIL	2006	- 4	41	P
	19	4608517843	GCM5940	NY	7/6/15	HONDA	0442P	WB GOETHA	ULES DR	2013	4	42	P
	20	4608517892	XW939Z	NJ	7/6/15	FORD	0444P	WB GOETHA	ULES DR	2011	4	44	P
	21	4608517910	GMK5030	NY	7/6/15	CHEVR	0446P	WB GOETHA	ULES DR	2009	4	46	P
	22	4608517922	GCK4474	NY	7/6/15	ACURA	0446P	WB GOETHA	ULES DR	2013	- 4	46	P
	23	4608517934	T628658C	NY	7/6/15	LINCO	0446P	WB JAMAICA	TH ST	2007	4	46	P
	24	4608517946	GAB6462	NY	7/6/15	BUICK	0450P	NB MIDLAND	ON AVE	2008	- 4	50	P
	25	4608517971	GDW2697	NY	7/6/15	NISSA	0451P	WB GOETHA	ULES DR	2015	4	51	P
	26	4608518008	GLH2153	NY	7/6/15	AUDI	0452P	WB GOETHA	ULES DR	2014	4	52	P
	27	4608518094	HNR5657	PA	7/6/15	CHRYS	0458P	WB GOETHA	ULES DR	2015	4	58	P
	28	4608518112	GMH9044	NY	7/6/15	LEXUS	0459P	NB KINGS HV	H ST	2014	4	59	P
	29	4608518124	GVC6411	NY	7/6/15	HONDA	0459P	WB JAMAICA	TH ST	2009	4	59	P
	30	4608518148	GNG3009	NY	7/6/15	HONDA	0500P	WB GOETHA	ULES DR	2002	5	0	P
	31	4608518150	GPK6045	NY	7/6/15	FORD	0500P	WB GOETHA	ULES DR	2014	5	0	P
	32	4608518197	JPF4167	PA	7/6/15	HYUND	0502P	WB GOETHA	ULES DR	2015	5	2	P
	33	4608518239	GZF7198	NY	7/6/15	INFIN	0503P	WB GOETHA	ULES DR	2003	5	3	P

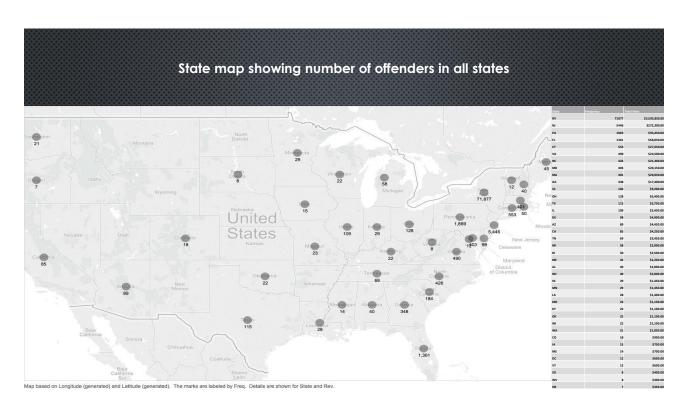
HOW THE DATA SET LOOKED AFTER SOME CLEANING

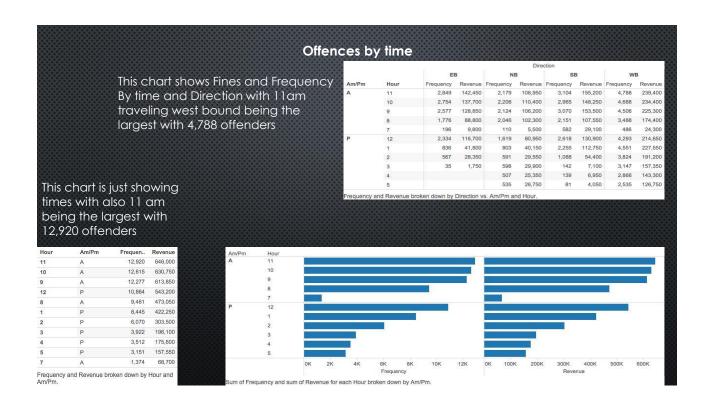


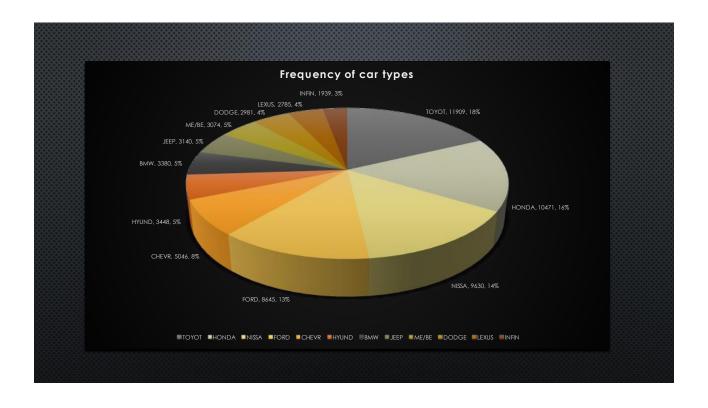












## POTENTIAL INSURANCE FRAUD?

• AFTER FILTERING NY FROM THE DATA SET THE YOU CAN SEE THE TOP 10 INDIVIDUAL REPEAT OFFENDERS ARE MOSTLY FROM STATES WITH LOWER INSURANCE PREMIUMS.

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ĕ	Plate ID	State	
	DFJ9199	NC	11
	CKD7374	NC	10
	JTH0187	PA	9
	DAE3731	NC	8
	GDD989	SC	8
	3122MY	VA	7
	KXL771	SC	7
	EYV6869	PA	6
	JNG5850	PA	6
	JRZ6380	PA	6