



NY CITY PARKING TICKETS CASE STUDY

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NEW YORK CITY PARKING TICKETS

2015

2016

2017

Total Number of Tickets issued in 2015 : 10,951,256

Total Number of Tickets issued in 2016 : 10626899

Total Number of Tickets issued in 2017 : 10,803,028

The Total number of Wrong Addresses entered in 2015 is : 5463

The Total number of Wrong Addresses entered in 2016 is : 8274

The Total number of Wrong Addresses entered in 2017 is : 4009

NEW YORK CITY PARKING TICKETS

HOW MANY UNIQUE STATES THE CARS WHICH GOT PARKING TICKETS CAME FROM

2015

2016

2017

Unique States the Cars which got parking tickets came from (2017): 67 States

Unique States the Cars which got parking tickets came from (2016): 68 States

Unique States the Cars which got parking tickets came from (2015): 69 States

NEW YORK CITY PARKING TICKETS

HOW OFTEN DOES EACH VIOLATION CODE OCCUR?

2015

#Top 5 Violation codes are:-

21,38,14,36,37

#Violation Code count

#1 21 1501614

#2 38 1324586

#3 14 924627

#4 36 761571

#5 37 746278

2016

#Top 5 violation codes are:-

21,36,38,14,37.

Violation Code count

#1 21 1531587

#2 36 1253512

#3 38 1143696

#4 14 875614

#5 37 686610

2017

#Top 5 violation codes are:-

21,36,38,14,20

Violation Code count

#1 21 1528588

#2 36 1400614

#3 38 1062304

#4 14 893498

#5 20 618593

NEW YORK CITY PARKING TICKETS

HOW OFTEN DOES EACH VEHICLE BODY TYPE GET A PARKING TICKET

2015

#VehicleBodyType count

#1 SUBN 3451963

#2 4DSD 3102510

#3 VAN 1605228

#4 DELV 840441

#5 SDN 453992

2016

#VehicleBodyType count

#1 SUBN 3466037

#2 4DSD 2992107

#3 VAN 1518303

#4 DELV 755282

#5 SDN 424043

2017

#VehicleBodyType count

#1 SUBN 3719802

#2 4DSD 3082020

#3 VAN 1411970

#4 DELV 687330

#5 SDN 438191

NEW YORK CITY PARKING TICKETS

HOW OFTEN DOES EACH VEHICLE MAKE TYPE GET A PARKING TICKET

2015

#VehicleMake	count
#1 FORD	1417303
#2 TOYOT	1123523
#3 HONDA	1018049
#4 NISSA	837569
#5 CHEVR	836389

2016

# VehicleMake	Count
#1 FORD	1324774
#2 TOYOT	1154790
#3 HONDA	1014074
#4 NISSA	834833
#5 CHEVR	759663

2017

#VehicleMake	count
#1 FORD	1280958
#2 TOYOT	1211451
#3 HONDA	1079238
#4 NISSA	918590
#5 CHEVR	714655

NEW YORK CITY PARKING TICKETS

FIND THE (5 HIGHEST) FREQUENCIES OF: VIOLATING PRECINCTS

2015

#Top 5 Violation Precincts:

#Violation Precinct Count

#1 0 1633006

#2 19 559716

#3 18 400887

#4 14 384596

#5 1 307808

2016

#Top 5 Violation Precincts:

#Violation Precinct Count

1 0 1868655

2 19 554465

3 18 331704

4 1 303850

5 14 324467

2017

#Top 5 Violation Precincts:

#Violation Precinct Count

#1 0 2072400

#2 19 535671

#3 14 352450

#4 1 331810

#5 18 306920

NEW YORK CITY PARKING TICKETS

FIND THE (5 HIGHEST) FREQUENCIES OF: ISSUING PRECINCTS

2015

#	Issuer	Precinct	Count
#1	0		1834343
#2	19		544946
#3	18		391501
#4	14		369725
#5	1		298594

2016

#	Issuer	Precinct	count
# 1	0		2140274
# 2	19		540569
# 3	18		323132
# 4	1		315311
# 5	14		146165

2017

#	Issuer	Precinct	count
#1	0		2388479
#2	19		521513
#3	14		344977
#4	1		321170
#5	18		296553

NEW YORK CITY PARKING TICKETS

FIND THE VIOLATION CODE FREQUENCY ACROSS 3 PRECINCTS WHICH HAVE ISSUED THE MOST NUMBER OF TICKETS
ARE THESE CODES COMMON ACROSS PRECINCTS?

2015

#Count	IssuerPrecinct	Code	Precinct
#1	839197	36	0
#2	719746	7	0
#3	224517	5	0
#4	131996	14	18
#5	99836	38	19

2016

#Violation	Code	count
# 1	36	1253511
#2	7	492470
# 3	14	166281
# 4	5	112377
# 5	46	95122

2017

#	Violation Code	count
#1	36	1400614
#2	7	516389
#3	5	145643
#4	14	135744
#5	46	107425

NEW YORK CITY PARKING TICKETS

TOP 3 VIOLATION CODES FOR EACH BINS

2015

#	Bin	code	count
#1	8-11	21	1192750
#2	8-11	36	360383
#3	8-11	38	511488

2016

#	bin	code	count
#1	8-11	21	1209244
#2	8-11	36	586791
#3	12-15	38	488363

2017

#	Bin	code	count
#1	8-11	21	1182691
#2	8-11	36	751422
#3	12-15	38	462859

NEW YORK CITY PARKING TICKETS

GIVEN FOR EACH SEASON

2015

#	Quarters	count
#1	Q2	3219701
#2	Q1	2463055
#3	Q3	2813124
#4	Q4	2455376

2016

#	Quarters	count
#1	Q2	3219701
#2	Q1	2463055
#3	Q3	2813124
#4	Q4	2455376

2017

#	Quarters	count
#1	Q2	3039386
#2	Q1	2703940
#3	Q3	2440363
#4	Q4	2619339

NEW YORK CITY PARKING TICKETS

GIVEN FOR THE 4 QUARTERS/SEASONS , TOP3 IN EACH

2015

####	Quarters	code	count
#1	Q2	21	462435
#2	Q2	38	341047
#3	Q2	36	260632
#4	Q1	38	337891
#5	Q1	21	284974
#6	Q1	14	218766
#7	Q3	21	407265
#8	Q3	38	352766
#9	Q3	14	236939
#10	Q4	21	346940
#11	Q4	38	292882
#12	Q4	14	209587

2016

####	Quarters	code	count
#1	Q2	21	322540
#2	Q2	36	287864
#3	Q2	38	239167
#4	Q1	21	357755
#5	Q1	36	347934
#6	Q1	38	312951
#7	Q3	21	416010
#8	Q3	38	301388
#9	Q3	14	231054
#10	Q4	36	463120
#11	Q4	21	435282
#12	Q4	38	290190

2017

####	Quarters	code	count
#1	Q2	21	428529
#2	Q2	36	369902
#3	Q2	38	269988
#4	Q1	21	376325
#5	Q1	36	348240
#6	Q1	38	291129
#7	Q3	21	378575
#8	Q3	38	241600
#9	Q3	36	239879
#10	Q4	36	442593
#11	Q4	21	345159
#12	Q4	38	259587

EARNINGS BY NYC DUE TO TRAFFIC VIOLATIONS

2015

Violation Code	count	Cost
#1	21 1630912	89700160
#2	38 1418627	70931350
#3	14 988469	113673935

2016

#Violation Code	count	Cost
#1	21 1531587	84237285
#2	36 1253512	62675600
#3	38 1143696	57184800

2017

###Violation Code	count	Cost
#1	21 1528588	84072340
#2	36 1400614	70030700
#3	38 1062304	53115200

NEW YORK CITY PARKING TICKETS

Conclusions:

#####Inference for Parking Tickets: #####

The violation of parking vehicles in a non-parking zone is more prevalent

This is also the most popular reason for the ticket & earnings by the NYC

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