

DATA CLEANING

The dataset required very little cleaning to be done. The corrections made on the existing dataset are as follows:

1. Cleaning LA Crime 2011 dataset – Date field cleaning (Removing the time data and the invalid data “01/01/” the date.rptd column & Date.occ column)

Actual Dataset:

Date Rptd	DR_NO	DATE OCC	TIME OCC	AREA	AREA NAME	RD	Crm Cd	Crm Cd Desc	Crime grp	Status	Status Desc	Address	Location
01/01/12/31/2011 12:00:00 AM	110122497	12/31/2011 0:00	330	1	Central	111	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	AA	Adult Arrest	500 N FIGUEROA ST	(34.0617, -118.2409)
01/01/12/31/2011 12:00:00 AM	110122501	12/31/2011 0:00	830	1	Central	153	440	THEFT PLAIN - PETTY (S950 & UNDER)	THEFT	IC	Invest Cont	500 S BROADWAY	(34.0481, -118.2507)
01/01/12/31/2011 12:00:00 AM	110122504	12/31/2011 0:00	1220	1	Central	111	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	AA	Adult Arrest	SPRING ST	(34.0599, -118.2379)
01/01/12/31/2011 12:00:00 AM	110122507	12/31/2011 0:00	1020	1	Central	182	997	TRAFFIC DR #	MISD	IC	Invest Cont	OLYMPIC BL	(34.0423, -118.2595)
01/01/12/31/2011 12:00:00 AM	110122515	12/31/2011 0:00	1700	1	Central	182	510	VEHICLE - STOLEN	GTA	IC	Invest Cont	200 W 11TH ST	(34.0402, -118.2598)
01/01/12/31/2011 12:00:00 AM	110122518	12/31/2011 0:00	1015	1	Central	159	210	ROBBERY	ROBB	AA	Adult Arrest	SANTA FE ST	(34.0384, -118.2305)
01/01/12/31/2011 12:00:00 AM	110122519	12/31/2011 0:00	130	1	Central	185	351	PURSE SNATCHING	THEFT	IC	Invest Cont	1000 S HILL ST	(34.0416, -118.2584)
01/01/12/31/2011 12:00:00 AM	110122520	12/31/2011 0:00	2130	1	Central	112	997	TRAFFIC DR #	MISD	IC	Invest Cont	ALISO	(34.0548, -118.2395)
01/01/12/31/2011 12:00:00 AM	110122521	12/31/2011 0:00	2100	1	Central	182	997	TRAFFIC DR #	MISD	IC	Invest Cont	OLYMPIC BL	(34.0450, -118.2628)
01/01/12/31/2011 12:00:00 AM	110222457	12/31/2011 0:00	2200	2	Rampart	201	888	TRESPASSING	MISD	IC	Invest Cont	1000 N MARIPOSA AV	(34.0891, -118.2992)
01/01/12/31/2011 12:00:00 AM	110222462	12/31/2011 0:00	25	2	Rampart	266	626	SPOUSAL(CO)HAB) ABUSE - SIMPLE ASSAULT	NON	IC	Invest Cont	800 S UNION AV	(34.0523, -118.2722)
01/01/12/31/2011 12:00:00 AM	110222465	12/31/2011 0:00	405	2	Rampart	247	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	AA	Adult Arrest	BURLINGTON AV	(34.0605, -118.2604)
01/01/12/31/2011 12:00:00 AM	110222467	12/31/2011 0:00	725	2	Rampart	279	997	TRAFFIC DR #	MISD	IC	Invest Cont	VALENCIA	(34.0484, -118.2724)
01/01/12/31/2011 12:00:00 AM	110222479	12/31/2011 0:00	1130	2	Rampart	219	997	TRAFFIC DR #	MISD	IC	Invest Cont	SUNSET	(34.0652, -118.2492)
01/01/12/31/2011 12:00:00 AM	110222482	12/31/2011 0:00	1005	2	Rampart	249	997	TRAFFIC DR #	MISD	IC	Invest Cont	LUCAS AV	(34.0530, -118.2648)
01/01/12/31/2011 12:00:00 AM	110222483	12/31/2011 0:00	150	2	Rampart	233	210	ROBBERY	ROBB	IC	Invest Cont	100 N BENTON WY	(34.0573, -118.2777)
01/01/12/31/2011 12:00:00 AM	110222487	12/31/2011 0:00	1025	2	Rampart	256	442	SHORLIFTING - PETTY THEFT (S950 & UNDER)	THEFT	IC	Invest Cont	1700 W 6TH ST	(34.0716, -118.2710)
01/01/12/31/2011 12:00:00 AM	110222489	12/31/2011 0:00	1400	2	Rampart	216	510	VEHICLE - STOLEN	GTA	IC	Invest Cont	TEMPLE ST	(34.0716, -118.2710)
01/01/12/31/2011 12:00:00 AM	110222490	12/31/2011 0:00	400	2	Rampart	261	997	TRAFFIC DR #	MISD	IC	Invest Cont	CARONDELET ST	(34.0568, -118.2821)
01/01/12/31/2011 12:00:00 AM	110222494	12/31/2011 0:00	1410	2	Rampart	261	626	SPOUSAL(CO)HAB) ABUSE - SIMPLE ASSAULT	NON	AO	Adult Other	800 S CARONDELET ST	(34.0568, -118.2821)
01/01/12/31/2011 12:00:00 AM	110222495	12/31/2011 0:00	955	2	Rampart	257	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	AA	Adult Arrest	WILSHIRE	(34.0538, -118.2607)
01/01/12/31/2011 12:00:00 AM	110222499	12/31/2011 0:00	1200	2	Rampart	251	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	JA	Juv Arrest	3RD ST	(34.0538, -118.2607)
01/01/12/31/2011 12:00:00 AM	110222500	12/31/2011 0:00	1200	2	Rampart	251	740	VANDALISM - FELONY (S400 & OVER, ALL CHURCH VANDALISMS)	VAND	IC	Invest Cont	3RD ST	(34.0538, -118.2607)
01/01/12/31/2011 12:00:00 AM	110222508	12/31/2011 0:00	1600	2	Rampart	265	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	IC	Invest Cont	700 S BONNIE BRAE ST	(34.0685, -118.2780)
01/01/12/31/2011 12:00:00 AM	110301916	12/31/2011 0:00	1330	3	Southwest	374	946	OTHER MISCELLANEOUS CRIME	MISC	AO	Adult Other	MARTIN LUTHER KING JR BL	(34.0685, -118.2780)

After cleaning in R :

Date.Rptd	DR_NO	DATE.OCC	TIME.OCC	AREA	AREA.NAME	RD	Crm.Cd	Crm.Cd.Desc	Crime.grp	Status	Status.Desc	Address	Cross.Street	LOCATION
12/31/2011	110122497	12/31/2011		330	1	Central	111	230 ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSA...	AGG	AA	Adult Arrest	500 N FIGUEROA ST		(34.0617, -118.2409)
2	110122501	12/31/2011		830	1	Central	153	440 THEFT PLAIN - PETTY (S950 & UNDER)	THEFT	IC	Invest Cont	500 S BROADWAY		(34.0481, -118.2507)
3	110122504	12/31/2011		1220	1	Central	111	230 ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSA...	AGG	AA	Adult Arrest	SPRING ST	CESAR E CHAVEZ	(34.0599, -118.2379)
4	110122507	12/31/2011		1020	1	Central	182	997 TRAFFIC DR #	MISD	IC	Invest Cont	OLYMPIC BL	OLIVE ST	(34.0423, -118.2595)
5	110122515	12/31/2011		1700	1	Central	182	510 VEHICLE - STOLEN	GTA	IC	Invest Cont	200 W 11TH ST		(34.0402, -118.2598)
6	110122518	12/31/2011		1015	1	Central	159	210 ROBBERY	ROBB	AA	Adult Arrest	SANTA FE ST	6TH ST	(34.0384, -118.2305)
7	110122519	12/31/2011		130	1	Central	185	351 PURSE SNATCHING	THEFT	IC	Invest Cont	1000 S HILL ST		(34.0416, -118.2584)
8	110122520	12/31/2011		2130	1	Central	112	997 TRAFFIC DR #	MISD	IC	Invest Cont	ALISO	LOS ANGELES	(34.0548, -118.2395)
9	110122521	12/31/2011		2100	1	Central	182	997 TRAFFIC DR #	MISD	IC	Invest Cont	OLYMPIC BL	FIGUEROA ST	(34.0450, -118.2628)
10	110222457	12/31/2011		2200	2	Rampart	201	888 TRESPASSING	MISD	IC	Invest Cont	1000 N MARIPOSA AV		(34.0891, -118.2992)
11	110222462	12/31/2011		25	2	Rampart	266	626 SPOUSAL(CO)HAB) ABUSE - SIMPLE ASSAULT	NON	IC	Invest Cont	800 S UNION AV		(34.0523, -118.2722)
12	110222465	12/31/2011		405	2	Rampart	247	230 ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSA...	AGG	AA	Adult Arrest	BURLINGTON AV	3RD ST	(34.0605, -118.2604)
13	110222467	12/31/2011		725	2	Rampart	279	997 TRAFFIC DR #	MISD	IC	Invest Cont	VALENCIA	OLYMPIC	(34.0484, -118.2724)
14	110222479	12/31/2011		1130	2	Rampart	219	997 TRAFFIC DR #	MISD	IC	Invest Cont	SUNSET	BEAUDRY	(34.0652, -118.2492)
15	110222482	12/31/2011		1005	2	Rampart	249	997 TRAFFIC DR #	MISD	IC	Invest Cont	LUCAS AV	6TH ST	(34.0530, -118.2648)
16	110222483	12/31/2011		150	2	Rampart	233	210 ROBBERY	ROBB	IC	Invest Cont	100 N BENTON WY		(34.0573, -118.2777)
17	110222487	12/31/2011		1025	2	Rampart	256	442 SHORLIFTING - PETTY THEFT (S950 & UNDER)	THEFT	IC	Invest Cont	1700 W 6TH ST		(34.0716, -118.2710)
18	110222489	12/31/2011		1400	2	Rampart	216	510 VEHICLE - STOLEN	GTA	IC	Invest Cont	TEMPLE ST	PARK VIEW ST	(34.0716, -118.2710)
19	110222490	12/31/2011		400	2	Rampart	261	997 TRAFFIC DR #	MISD	IC	Invest Cont	CARONDELET ST	W 8TH ST	(34.0568, -118.2821)
20	110222494	12/31/2011		1410	2	Rampart	261	626 SPOUSAL(CO)HAB) ABUSE - SIMPLE ASSAULT	NON	AO	Adult Other	800 S CARONDELET ST		(34.0568, -118.2821)
21	110222495	12/31/2011		955	2	Rampart	257	230 ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSA...	AGG	AA	Adult Arrest	WILSHIRE	WITMER	(34.0538, -118.2607)
22	110222499	12/31/2011		1200	2	Rampart	251	230 ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSA...	AGG	JA	Juv Arrest	3RD ST	CORONADO ST	(34.0538, -118.2607)

2. Mismatch in the status value.

- UNK is the description for status type CC. TH is unknown. Hence status UNK and

TH has been replaced with CC because of the same description with respect to LA

crime dataset 2012-2015

Actual Dataset:

Date.Recd	DRNO	DATE.OCC	TIME.OCC	AREA	AREA.NAME	RD	Crm.Cd	Crm.Cd.Desc	CRIME.GRP	Status	Status.Desc	LOCATION	Cross.Street	Location.I	Bureau
12/30/2013	132007717	3/20/2013	2015	20	Olympic	90006	2004	997 TRAFFIC DR #	MISD	UNK	Unknown	OXFORD			Central Bu
3/10/2013	130608787	3/10/2013	2015	6	Hollywood	90028	635	997 TRAFFIC DR #	MISD	UNK	Unknown	ODIN	ST		Central Bu
12/18/2013	131820260	12/18/2013	745	18	Southeast	90028	1839	997 TRAFFIC DR #	MISD	UNK	Unknown	105TH	ST		Central Bu
10/18/2013	131817514	10/18/2013	1730	18	Southeast	90061	1827	997 TRAFFIC DR #	MISD	UNK	Unknown	101ST	ST		Central Bu
5/26/2013	130510483	5/25/2013	2000	5	Harbor	90731	507	440 THEFT PLAIN - PETTY (UNDER \$400)	THEFT	UNK	Unknown	1300 W SEPULVEDA	BL		Central Bu
5/24/2013	131213618	5/22/2013	1145	12	77th Street	90003	1211	997 TRAFFIC DR #	MISD	UNK	Unknown	54TH			Central Bu
2/10/2014	141206459	2/8/2014	2340	12	77th Street	90003	1259	997 TRAFFIC DR #	MISD	UNK	Unknown	CENTRAL AVE			Central Bu
3/16/2014	141308108	3/16/2014	1530	13	Newton	90011	1347	510 VEHICLE - STOLEN	GTA	UNK	Unknown	13 ALAMEDA ST			Central Bu
11/17/2012	120123632	11/16/2012	2030	1	Central	90014	192	888 TRESPASSING	MISD	TH	Unknown	400 W VENICE	BL		Central Bu
8/22/2012	120916469	8/22/2012	1940	9	Van Nuys	91401	916	997 TRAFFIC DR #	MISD	UNK	Unknown	HAZELTINE			Central Bu
7/16/2012	120619583	6/16/2012	1200	6	Hollywood	90028	644	922 CHILD STEALING	KID	CC	Unknown	1300 N VISTA	ST		Central Bu
5/5/2012	121110501	5/4/2012	2030	11	Northeast	90065	1102	997 TRAFFIC DR #	MISD	CC	Unknown	LOS FELIZ	BL		Central Bu
4/30/2012	121710427	4/30/2012	1115	17	Devonshire	91325	1764	997 TRAFFIC DR #	MISD	CC	Unknown	PLUMMER	ST		Central Bu
4/30/2012	120808918	4/29/2012	2300	8	West LA	90025	831	997 TRAFFIC DR #	MISD	CC	Unknown	GOSHEN	AV		Central Bu
3/18/2012	121209401	3/18/2012	1700	12	77th Street	90003	1255	997 TRAFFIC DR #	MISD	CC	Unknown	FLORENCE			Central Bu
6/30/2014	141215426	1/1/2012	1200	12	77th Street	90003	1268	354 THEFT OF IDENTITY	MISD	CC	Unknown	200 E 85TH	ST		Central Bu
4/26/2013	131411831	4/2/2013	2300	14	Pacific	90066	1494	440 THEFT PLAIN - PETTY (UNDER \$400)	THEFT	CC	Unknown	00 WORLD WY			Central Bu
4/19/2013	131718469	11/9/2013	1830	17	Devonshire	91325	1718	310 BURGLARY	BURG	CC	Unknown	11400 GAYNOR	AV		Central Bu
7/19/2013	131418620	7/19/2013	1940	14	Pacific	90066	1441	210 ROBBERY	ROBB	CC	Unknown	OCEAN FRONT	WK		Central Bu
2/12/2014	140606335	2/12/2014	30	6	Hollywood	90028	632	310 BURGLARY	BURG	CC	Unknown	8600 FRANKLIN	AV		Central Bu
8/9/2014	141218155	7/30/2014	1200	12	77th Street	90003	1251	664 BUNCO, PETTY THEFT	THEFT	CC	Unknown	7700 CRENSHAW	BL		Central Bu
1/18/2014	140105268	1/18/2014	930	1	Central	90014	157	310 BURGLARY	BURG	CC	Unknown	700 E 6TH	ST		Central Bu
7/12/2014	141314555	7/11/2014	200	13	Newton	90011	1352	440 THEFT PLAIN - PETTY (\$950 & UNDER)	THEFT	CC	Unknown	100 E 45TH	ST		Central Bu
4/27/2014	141310379	4/27/2014	510	13	Newton	90011	1373	997 TRAFFIC DR #	MISD	CC	Unknown	CENTRAL	AV		Central Bu
3/13/2014	140308003	3/11/2014	2000	3	Southwest	90062	308	330 BURGLARY FROM VEHICLE	BTFV	CC	Unknown	900 W 23RD	ST		Central Bu
11/26/2014	141225513	11/26/2014	1100	12	77th Street	90003	1241	341 THEFT-GRAND (\$950.01 & OVER)(EXCP,GUNS,FOWL,LIVESTK,PROD	GTP	CC	Unknown	6500 S VICTORIA	AV		Central Bu
10/31/2014	141223962	10/30/2014	1500	12	77th Street	90003	1239	920 KIDNAPPING - GRAND ATTEMPT	KID	CC	Unknown	1000 W 58TH	PL		Central Bu
10/29/2015	151224700	10/28/2015	1200	12	77th Street	90003	1267	210 ROBBERY	ROBB	CC	Unknown	MANCHESTER	AV		Central Bu
10/10/2015	151223262	10/9/2015	1905	12	77th Street	90003	1269	932 PEEPING TOM	MISD	CC	Unknown	800 E 84TH	PL		Central Bu
10/1/2015	151818298	9/30/2015	2100	18	Southeast	90061	1826	626 SPOUSAL/CHAB) ABUSE - SIMPLE ASSAULT	NON	CC	Unknown	9200 FIRTH	BL		Central Bu
8/17/2015	151314498	8/14/2015	1500	13	Newton	90011	1367	740 VANDALISM - FELONY (\$400 & OVER, ALL CHURCH VANDALISMS)	VAND	CC	Unknown	5100 HOLMES	AV		Central Bu

After cleaning in R:

Project_Rptm1.Rpt1 - 10, 12, 15 - 1															
Filter															
Date.Rptd	DRNO	DATE.OCC	TIME.OCC	AREA	AREA.NAME	RD	Crm.Cd	Crm.Cd.Desc	CRIME.GRP	Status	Status.Desc	LOCATION	Cross.Street	Location.I	Bureau
193	3/16/2014	141308108	3/16/2014	1530	13	Newton	1347	510 VEHICLE - STOLEN	GTA	CC	Unknown	13 ALAMEDA ST	VERNON AV	(34.0124, -118.2397)	Central Bu
28033	11/17/2012	120123632	11/16/2012	2030	1	Central	192	888 TRESPASSING	MISD	CC	Unknown	400 W VENICE BL		(34.0365, -118.2678)	Central Bu
157940	5/5/2012	121110501	5/4/2012	2030	11	Northeast	1102	997 TRAFFIC DR #	MISD	CC	Unknown	LOS FELIZ BL	SEMECA AV	(34.1265, -118.2628)	Central Bu
526955	1/18/2014	140105268	1/18/2014	930	1	Central	157	310 BURGLARY	BURG	CC	Unknown	700 E 6TH ST		(34.0412, -118.2436)	Central Bu
526107	7/12/2014	141314555	7/11/2014	200	13	Newton	1352	440 THEFT PLAIN - PETTY (\$950 & UNDER)	THEFT	CC	Unknown	100 E 45TH ST		(34.0029, -118.2747)	Central Bu
583755	4/27/2014	141310379	4/27/2014	510	13	Newton	1373	997 TRAFFIC DR #	MISD	CC	Unknown	CENTRAL AV	56TH ST	(33.9628, -118.2565)	Central Bu
780300	8/17/2015	151314498	8/14/2015	1500	13	Newton	1367	740 VANDALISM - FELONY (\$400 & OVER, ALL CHURCH VANDALISMS)	VAND	CC	Unknown	5100 HOLMES AV		(33.9062, -118.2411)	Central Bu
85316	8/22/2012	120916469	8/22/2012	1940	9	Van Nuys	916	997 TRAFFIC DR #	MISD	CC	Unknown	HAZELTINE		(34.1939, -118.44)	Valley Bu
160984	4/30/2012	121710427	4/30/2012	1115	17	Devonshire	1764	997 TRAFFIC DR #	MISD	CC	Unknown	PLUMMER ST	TAMPA AV	(34.2428, -118.5358)	Valley Bu
347792	11/9/2013	131718469	11/9/2013	1830	17	Devonshire	1718	310 BURGLARY	BURG	CC	Unknown	11400 GAYNOR AV		(34.2775, -118.4807)	Valley Bu
855336	4/28/2015	151510590	4/28/2015	1600	15	N Hollywood	1557	997 TRAFFIC DR #	MISD	CC	Unknown	MAGNOLIA BL	CLEON AV	(34.1649, -118.3688)	Valley Bu
1	3/20/2013	132007717	3/20/2013	2015	20	Olympic	2004	997 TRAFFIC DR #	MISD	CC	Unknown	OXFORD	OKWOOD	(34.0776, -118.308)	West Bu
2	3/10/2013	130608787	3/10/2013	445	6	Hollywood	635	997 TRAFFIC DR #	MISD	CC	Unknown	ODIN ST	CARHUENGA BL	(34.1113, -118.3356)	West Bu
129006	7/16/2012	120619583	6/16/2012	1200	6	Hollywood	644	922 CHILD STEALING	KID	CC	Unknown	1300 N VISTA ST		(34.0944, -118.3517)	West Bu
161378	4/30/2012	120808918	4/29/2012	2100	8	West LA	831	997 TRAFFIC DR #	MISD	CC	Unknown	GOSHEN AV	BUNDY DR	(34.0452, -118.4681)	West Bu
258019	4/26/2013	131411831	4/2/2013	2300	14	Pacific	1494	440 THEFT PLAIN - PETTY (UNDER \$400)	THEFT	CC	Unknown	00 WORLD WY		(33.9454, -118.3983)	West Bu
422346	7/19/2013	131418620	7/19/2013	1940	14	Pacific	1441	210 ROBBERY	ROBB	CC	Unknown	OCEAN FRONT WK	MARKET ST	(33.9875, -118.4741)	West Bu
490424	2/12/2014	140606335	2/12/2014	30	6	Hollywood	632	310 BURGLARY	BURG	CC	Unknown	8600 FRANKLIN AV		(34.191, -118.3776)	West Bu
3	12/18/2013	131820260	12/18/2013	745	18	Southeast	1839	997 TRAFFIC DR #	MISD	CC	Unknown	105TH ST	CROESUS AV	(33.9406, -118.2338)	South Bu
4	10/18/2013	131817514	10/18/2013	1730	18	Southeast	1827	997 TRAFFIC DR #	MISD	CC	Unknown	101ST ST	JUNIPER ST	(33.9449, -118.2332)	South Bu
5	5/26/2013	130510483	5/25/2013	2000	5	Harbor	507	440 THEFT PLAIN - PETTY (UNDER \$400)	THEFT	CC	Unknown	1300 W SEPULVEDA BL		(33.8135, -118.2993)	South Bu
6	5/24/2013	131213618	5/22/2013	1145	12	77th Street	1211	997 TRAFFIC DR #	MISD	CC	Unknown	54TH	CRENSHAW	(33.9031, -118.3008)	South Bu
55	2/10/2014	141206459	2/8/2014	2340	12	77th Street	1259	997 TRAFFIC DR #	MISD	CC	Unknown	CENTRAL AVE	75TH ST	(33.9678, -118.2564)	South Bu
188334	3/18/2012	121209401	3/18/2012	1700	12	77th Street	1255	997 TRAFFIC DR #	MISD	CC	Unknown	FLORENCE	NORMANDIE	(33.9748, -118.3003)	South Bu
238164	6/30/2014	141215426	1/1/2012	1200	12	77th Street	1268	354 THEFT OF IDENTITY	MISD	CC	Unknown	200 E 85TH ST		(33.961, -118.2717)	South Bu
501970	8/9/2014	141218155	7/30/2014	1200	12	77th Street	1251	664 BUNCO, PETTY THEFT	THEFT	CC	Unknown	7700 CRENSHAW BL		(33.97, -118.3308)	South Bu
612528	3/13/2014	140308003	3/11/2014	2000	3	Southwest	308	330 BURGLARY FROM VEHICLE	BTFV	CC	Unknown	900 W 23RD ST		(34.0334, -118.2709)	South Bu
652458	11/26/2014	141225513	11/26/2014	1100	12	77th Street	1241	341 THEFT-GRAND (\$950.01 & OVER)(EXCP,GUNS,FOWL,LIVESTK,PROD	GTP	CC	Unknown	6500 S VICTORIA AV		(33.9806, -118.3323)	South Bu
660847	10/31/2014	141223962	10/30/2014	1500	12	77th Street	1239	920 KIDNAPPING - GRAND ATTEMPT	KID	CC	Unknown	1000 W 58TH PL		(33.9884, -118.2915)	South Bu
726001	10/29/2015	151224700	10/28/2015	1200	12	77th Street	1267	210 ROBBERY	ROBB	CC	Unknown	MANCHESTER AV	FIGUEROA	(33.9601, -118.2827)	South Bu
739704	10/10/2015	151223262	10/9/2015	1905	12	77th Street	1269	932 PEEPING TOM	MISD	CC	Unknown	800 E 84TH PL		(33.962, -118.2608)	South Bu
746427	10/1/2015	151818298	9/30/2015	2100	18	Southeast	1826	626 SPOUSAL/CHAB) ABUSE - SIMPLE ASSAULT	NON	CC	Unknown	9200 FIRTH BL		(33.9534, -118.2475)	South Bu
811048	6/30/2015	151216330	6/28/2015	2130	12	77th Street	1243	230 ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	ACC	CC	Unknown	67TH ST	WESTERN AV	(33.9785, -118.309)	South Bu
10847	12/14/2012	121324072	12/14/2012	1230	13	Newton	1341	624 BATTERY - SIMPLE ASSAULT	NON	JO	Join Other	5500 S HILL ST		(34.0183, -118.2758)	Central Bu

Showing 1 to 35 of 815,250 entries

- The CC status description is UNK in the crime dataset 2011 – This has been changed to Unknown to make sure there is no mismatch of value while combining dataset

Actual Dataset:

Date.Rptd	DR_NO	DATE_OCC	TIME_OCC	AREA	AREA_NAME	RD	Crm.Cd	Crm.Cd.Desc	Crime.grp	Status	Status.Desc	Address	Cross.Street	LOCATION	Bureau
33 12/31/2011	110327519	12/31/2011	1125	3	Southwest	328	997	TRAFFIC DR #	MISD	CC	UNK	FIGUEROA ST	28TH ST	(34.0286, -118.2776)	South Bu
34625 11/07/2011	110519794	11/7/2011	1505	5	Harbor	529	997	TRAFFIC DR #	MISD	CC	UNK	BROAD AV	G ST	(33.7786, -118.2616)	South Bu
42878 10/26/2011	111225404	10/26/2011	720	12	77th Street	1243	920	KIDNAPPING - GRAND ATTEMPT	KID	CC	UNK	68TH ST	VAN NESS	(, 0000, 0000)	South Bu
160778 04/29/2011	112109831	4/28/2011	2200	21	Topanga	2139	331	THEFT FROM MOTOR VEHICLE - GRAND (\$400 AND OV...	BTFV	CC	UNK	7300 CORBIN AV		(34.2031, -118.5623)	Valley Bu
228219 01/14/2011	111204921	1/12/2011	1830	12	77th Street	1266	210	ROBBERY	ROBB	CC	UNK	HOOPER ST	83RD ST	(33.9632, -118.2871)	South Bu
1240 09/14/2012	120917857	12/30/2011	1400	9	Van Nuys	932	810	SEX, UNLAWFUL	SEX_CRIME	JO	Juv Other	14800 SPWIN ST		(34.1837, -118.4553)	Valley Bu
1274 01/03/2012	121204100	12/30/2011	1200	12	77th Street	1213	813	CHILD ENDANGERMENT/NEG.	MISD	JO	Juv Other	1700 W 56TH ST		(33.9915, -118.3067)	South Bu
5129 12/26/2011	111722159	12/23/2011	1600	17	Devonshire	1759	310	BURGLARY	BURG	JO	Juv Other	10000 GAYNOR AV		(34.2525, -118.4868)	Valley Bu
5654 12/22/2011	111229220	12/22/2011	745	12	77th Street	1283	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	9500 S HOBART BL		(33.9499, -118.3078)	South Bu
5814 12/22/2011	111823395	12/22/2011	1430	18	Southeast	1849	310	BURGLARY	BURG	JO	Juv Other	11500 S MONA BL		(33.9304, -118.2308)	South Bu
6507 12/21/2011	111823343	12/21/2011	1530	18	Southeast	1849	210	ROBBERY	ROBB	JO	Juv Other	SANTA ANA	MONA	(33.9340, -118.2302)	South Bu
9225 12/20/2011	110200723	12/16/2011	2000	2	Rampart	212	810	SEX, UNLAWFUL	SEX_CRIME	JO	Juv Other	VERMONT AV	BEVERLY BL	(34.0777, -118.2917)	Central Bi
9311 12/16/2011	110417929	12/16/2011	1615	4	Hollenbeck	448	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	1500 ZUNIGA LN		(34.0581, -118.1938)	Central Bi
9954 01/10/2012	121704475	12/16/2011	1600	17	Devonshire	1722	860	BATTERY WITH SEXUAL CONTACT	SEX_CRIME	JO	Juv Other	22000 DEVONSHIRE ST		(34.2572, -118.6060)	Valley Bu
9967 02/21/2013	131706376	12/16/2011	1200	17	Devonshire	1745	812	CHILD, CRIME AGAINST	MISD	JO	Juv Other	17300 SAN JOSE ST		(34.2612, -118.5110)	Valley Bu
10520 12/21/2011	112120025	12/15/2011	1150	21	Topanga	2115	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	8200 TOPANGA CANYON BL		(34.2176, -118.6060)	Valley Bu
12345 12/14/2011	111522231	12/12/2011	2230	15	N Hollywood	1538	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	11300 BURBANK BL		(34.1722, -118.3771)	Valley Bu
13414 12/12/2011	110922834	12/10/2011	1200	9	Van Nuys	948	956	LETTERS, LEWD	MISD	JO	Juv Other	5500 FULTON AV		(34.1708, -118.4225)	Valley Bu
13632 12/11/2011	111620075	12/10/2011	235	16	Foothill	1602	745	VANDALISM - MISDEAMEANOR (\$399 OR UNDER)	VAND	JO	Juv Other	12600 VAN NUYS BL		(34.2766, -118.4078)	Valley Bu
14792 12/09/2011	110922706	12/8/2011	1245	9	Van Nuys	966	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	9000 SUNNYSLOPE AV		(34.1613, -118.4268)	Valley Bu
15025 12/08/2011	111822748	12/8/2011	730	18	Southeast	1849	210	ROBBERY	ROBB	JO	Juv Other	2100 E 115TH ST		(33.9305, -118.2348)	South Bu
15141 11/07/2011	110417918	11/7/2011	615	4	Hollenbeck	415	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	1500 ZUNIGA LN		(34.0581, -118.1938)	Central Bi

After cleaning in R:

Date.Rptd	DR_NO	DATE_OCC	TIME_OCC	AREA	AREA_NAME	RD	Crm.Cd	Crm.Cd.Desc	Crime.grp	Status	Status.Desc	Address	Cross.Street	LOCATION	Bureau
33 12/31/2011	110327519	12/31/2011	1125	3	Southwest	328	997	TRAFFIC DR #	MISD	CC	Unknown	FIGUEROA ST	28TH ST	(34.0286, -118.2776)	South Bu
34625 11/07/2011	110519794	11/7/2011	1505	5	Harbor	529	997	TRAFFIC DR #	MISD	CC	Unknown	BROAD AV	G ST	(33.7786, -118.2616)	South Bu
42878 10/26/2011	111225404	10/26/2011	720	12	77th Street	1243	920	KIDNAPPING - GRAND ATTEMPT	KID	CC	Unknown	68TH ST	VAN NESS	(, 0000, 0000)	South Bu
160778 04/29/2011	112109831	4/28/2011	2200	21	Topanga	2139	331	THEFT FROM MOTOR VEHICLE - GRAND (\$400 AND OV...	BTFV	CC	Unknown	7300 CORBIN AV		(34.2031, -118.5623)	Valley Bu
228219 01/14/2011	111204921	1/12/2011	1830	12	77th Street	1266	210	ROBBERY	ROBB	CC	Unknown	HOOPER ST	83RD ST	(33.9632, -118.2871)	South Bu
1240 09/14/2012	120917857	12/30/2011	1400	9	Van Nuys	932	810	SEX, UNLAWFUL	SEX_CRIME	JO	Juv Other	14800 SPWIN ST		(34.1837, -118.4553)	Valley Bu
1274 01/03/2012	121204100	12/30/2011	1200	12	77th Street	1213	813	CHILD ENDANGERMENT/NEG.	MISD	JO	Juv Other	1700 W 56TH ST		(33.9915, -118.3067)	South Bu
5129 12/26/2011	111722159	12/23/2011	1600	17	Devonshire	1759	310	BURGLARY	BURG	JO	Juv Other	10000 GAYNOR AV		(34.2525, -118.4868)	Valley Bu
5654 12/22/2011	111229220	12/22/2011	745	12	77th Street	1283	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	9500 S HOBART BL		(33.9499, -118.3078)	South Bu
5814 12/22/2011	111823395	12/22/2011	1430	18	Southeast	1849	310	BURGLARY	BURG	JO	Juv Other	11500 S MONA BL		(33.9304, -118.2308)	South Bu
6507 12/21/2011	111823343	12/21/2011	1530	18	Southeast	1849	210	ROBBERY	ROBB	JO	Juv Other	SANTA ANA	MONA	(33.9340, -118.2302)	South Bu
9225 12/20/2011	110200723	12/16/2011	2000	2	Rampart	212	810	SEX, UNLAWFUL	SEX_CRIME	JO	Juv Other	VERMONT AV	BEVERLY BL	(34.0777, -118.2917)	Central Bi
9311 12/16/2011	110417929	12/16/2011	1615	4	Hollenbeck	448	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	1500 ZUNIGA LN		(34.0581, -118.1938)	Central Bi
9954 01/10/2012	121704475	12/16/2011	1600	17	Devonshire	1722	860	BATTERY WITH SEXUAL CONTACT	SEX_CRIME	JO	Juv Other	22000 DEVONSHIRE ST		(34.2572, -118.6060)	Valley Bu
9967 02/21/2013	131706376	12/16/2011	1200	17	Devonshire	1745	812	CHILD, CRIME AGAINST	MISD	JO	Juv Other	17300 SAN JOSE ST		(34.2612, -118.5110)	Valley Bu
10520 12/21/2011	112120025	12/15/2011	1150	21	Topanga	2115	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	8200 TOPANGA CANYON BL		(34.2176, -118.6060)	Valley Bu
12345 12/14/2011	111522231	12/12/2011	2230	15	N Hollywood	1538	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	11300 BURBANK BL		(34.1722, -118.3771)	Valley Bu
13414 12/12/2011	110922834	12/10/2011	1200	9	Van Nuys	948	956	LETTERS, LEWD	MISD	JO	Juv Other	5500 FULTON AV		(34.1708, -118.4225)	Valley Bu
13632 12/11/2011	111620075	12/10/2011	235	16	Foothill	1602	745	VANDALISM - MISDEAMEANOR (\$399 OR UNDER)	VAND	JO	Juv Other	12600 VAN NUYS BL		(34.2766, -118.4078)	Valley Bu
14792 12/09/2011	110922706	12/8/2011	1245	9	Van Nuys	966	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	9000 SUNNYSLOPE AV		(34.1613, -118.4268)	Valley Bu
15025 12/08/2011	111822748	12/8/2011	730	18	Southeast	1849	210	ROBBERY	ROBB	JO	Juv Other	2100 E 115TH ST		(33.9305, -118.2348)	South Bu
15141 11/07/2011	110417918	11/7/2011	615	4	Hollenbeck	415	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	1500 ZUNIGA LN		(34.0581, -118.1938)	Central Bi

After addition in R:

Report, Range 1	Dr_11_Area	Dr_11_Unit1	Dr_12_15	Dr_11_1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Project: Rptcrpt # 01_11 Area 01_crime0111 01_12_15 01_11_11																
Filter																
Date.Rptd	DRNO	DATE_OCC	TIME_OCC	AREA	AREA_NAME	RD	Crme.Cd	CrmeCd.Desc	CRIME_GRP	Status	Status_Desc	LOCATION	Cross.Street	Location.1	Bureau	
193	3/16/2014	141308108	3/16/2014	1530	13	Newton	1347	510	VEHICLE - STOLEN	GTA	CC	Unknown	13 ALAMEDA ST	VERNON AV	(34.0124, 118.2397)	Central Bureau
28033	11/17/2012	120123632	11/16/2012	2030	1	Central	192	888	TRESPASSING	MSD	CC	Unknown	400 W VENICE BL		(34.0385, 118.2678)	Central Bureau
157940	5/5/2012	121110501	5/4/2012	2030	11	Northeast	1102	997	TRAFFIC DR #	MSD	CC	Unknown	LOS FELIZ BL	SENECA AV	(34.1205, 118.2628)	Central Bureau
528991	1/18/2014	140103268	1/18/2014	930	1	Central	157	310	BURGLARY	BURG	CC	Unknown	700 E 6TH ST		(34.0412, 118.2430)	Central Bureau
528167	7/12/2014	141314455	7/11/2014	200	13	Newton	1352	440	THEFT PLAIN - PETTY (\$950 & UNDER)	THEFT	CC	Unknown	100 E 45TH ST		(34.0629, 118.274)	Central Bureau
583793	4/27/2014	141310379	4/27/2014	510	13	Newton	1373	997	TRAFFIC DR #	MSD	CC	Unknown	CENTRAL AV	56TH ST	(33.9918, 118.2565)	Central Bureau
780300	8/17/2015	151318408	8/14/2015	1500	13	Newton	1367	740	VANDALISM - FELONY (\$400 & OVER, ALL CHURCH VA...	VAND	CC	Unknown	5100 HOLMES AV		(33.9962, 118.2411)	Central Bureau
85316	8/22/2012	120916469	8/22/2012	1940	9	Van Nuys	916	997	TRAFFIC DR #	MSD	CC	Unknown	HAZELTINE	VANCHEN	(34.1939, 118.44)	Valley Bureau
140984	4/30/2012	131710427	4/30/2012	1115	17	Devonshire	1764	997	TRAFFIC DR #	MSD	CC	Unknown	FLUMMER ST	TAMPA AV	(34.2428, 118.5336)	Valley Bureau
347792	11/9/2013	131718469	11/9/2013	1830	17	Devonshire	1718	310	BURGLARY	BURG	CC	Unknown	11400 GAYNOR AV		(34.2775, 118.4807)	Valley Bureau
855336	4/28/2015	151510500	4/28/2015	1600	15	N Hollywood	1557	997	TRAFFIC DR #	MSD	CC	Unknown	MACNOLIA BL	CLEON AV	(34.1649, 118.3686)	Valley Bureau
1	3/20/2013	132007717	3/20/2013	2015	20	Olympic	2004	997	TRAFFIC DR #	MSD	CC	Unknown	OXFORD	OKWOOD	(34.0776, 118.308)	West Bureau
2	3/16/2013	130609670	3/16/2013	445	6	Hollywood	635	997	TRAFFIC DR #	MSD	CC	Unknown	20N ST	CAHUENGA BL	(34.1113, 118.3398)	West Bureau
128006	7/16/2012	120919583	6/16/2012	1200	6	Hollywood	844	922	CHILD STEALING	KID	CC	Unknown	1300 W VIETA ST		(34.0544, 118.5317)	West Bureau
161378	4/30/2012	120809818	4/29/2012	2100	8	West LA	831	997	TRAFFIC DR #	MSD	CC	Unknown	COSHEN ST	BUNDY DR	(34.0452, 118.4561)	West Bureau
258019	4/28/2013	131411831	4/2/2013	2300	14	Pacific	1494	440	THEFT PLAIN - PETTY UNDER \$400	THEFT	CC	Unknown	00 WORLD WY		(33.9454, 118.3983)	West Bureau
422346	7/19/2013	131418620	7/19/2013	1940	14	Pacific	1441	210	ROBBERY	ROBB	CC	Unknown	OCEAN FRONT WK	MARKET ST	(33.9875, 118.4741)	West Bureau
492424	2/12/2014	140606335	2/12/2014	30	6	Hollywood	632	310	BURGLARY	BURG	CC	Unknown	8600 FRANKLIN AV		(34.101, 118.3776)	West Bureau
3	12/18/2013	131820260	12/18/2013	745	18	Southwest	1839	997	TRAFFIC DR #	MSD	CC	Unknown	105TH ST	CROESUS AV	(33.9406, 118.2338)	South Bureau
4	10/18/2013	131815714	10/18/2013	1730	18	Southwest	1827	997	TRAFFIC DR #	MSD	CC	Unknown	101ST ST	JUNIPER ST	(33.9449, 118.2332)	South Bureau
5	5/26/2013	130510483	5/25/2013	2000	5	Harbor	507	440	THEFT PLAIN - PETTY UNDER \$400	THEFT	CC	Unknown	1500 W SEPULVEDA BL		(33.8135, 118.2922)	South Bureau
6	5/24/2013	131315818	5/23/2013	1145	12	77th Street	1211	997	TRAFFIC DR #	MSD	CC	Unknown	54TH	CROESUS ST	(33.9933, 118.3398)	South Bureau

Showing 1 to 23 of 935,256 entries

4. Column Name change & Dataset Join:

In order to combine both the dataset the column names have to be same. So column name of dataset 2012-2015 was changed with respect to 2011 dataset column names.

Actual Column Names: 2012-2015 dataset

Project_Report#	dr_01_Len	dr_02Len1	dr_03_Len	dr_04_Len													
	Filter																
Date.Rptd	DR_NO	DATE_OCC	TIME_OCC	AREA	AREA_NAME	RD	CRIME_GRP	Status	Status_Desc	LOCATION	Cross.Street	Location.1	Bureau				
237646	1/1/2012	121804033	1/1/2012	1620	18 Southeast	1849	351 PURSE SNATCHING			THEFT	JO	Juv Other	115TH ST	CROESUS	(33.9287, 118.2335)	South Bureau	
237590	1/1/2012	121704028	1/1/2012	100	17 Devonshire	1723	740 VANDALISM - FELONY (\$400 & OVER, ALL CHURCH VA...			VAND	JA	Juv Arrest	20500 DEVONSHIRE ST		(34.2575, 118.5798)	Valley Bureau	
237591	1/1/2012	121704032	1/1/2012	1800	17 Devonshire	1721	745 VANDALISM - MISDEMEANOR (\$399 OR UNDER)			VAND	JA	Juv Arrest	22000 SANTA SUSANA PASS RD		(34.2725, 118.0104)	Valley Bureau	
236997	1/1/2012	120504030	1/1/2012	1240	5 Harbor	565	310 BURGLARY			BURG	JA	Juv Arrest	800 W 9TH ST		(33.7381, 118.2340)	South Bureau	
236788	1/1/2012	120104005	1/1/2012	210	1 Central	164	626 SPOUSAL/COHAB ABUSE - SIMPLE ASSAULT	NON	IC			Invest Cont	600 S SPRING ST		(34.048, 118.2509)	Central Bureau	
236789	1/1/2012	120104013	1/1/2012	300	1 Central	128	626 SPOUSAL/COHAB ABUSE - SIMPLE ASSAULT	NON	IC			Invest Cont	300 E 1ST ST		(34.0564, 118.2409)	Central Bureau	
236791	1/1/2012	120104016	1/1/2012	130	1 Central	182	624 BATTERY - SIMPLE ASSAULT	NON	IC			Invest Cont	1200 S FIGUEROA ST		(34.0423, 118.2666)	Central Bureau	
236793	1/1/2012	120104022	1/1/2012	1045	1 Central	155	623 BATTERY - POLICE	NON	IC			Invest Cont	5TH	MAPLE	(34.0454, 118.2466)	Central Bureau	
236795	1/1/2012	120104025	1/1/2012	1330	1 Central	128	510 VEHICLE - STOLEN			GTA	IC		SAN PEDRO	1ST	(34.0504, 118.2409)	Central Bureau	
236797	1/1/2012	120104032	1/1/2012	1215	1 Central	112	330 BURGLARY FROM VEHICLE			BTFF	IC		BROADWAY ST	N TEMPLE	(34.0588, 118.2426)	Central Bureau	
236798	1/1/2012	120104033	1/1/2012	1105	1 Central	153	624 BATTERY - SIMPLE ASSAULT	NON	IC			Invest Cont	200 W 5TH ST		(34.047, 118.2490)	Central Bureau	
236799	1/1/2012	120104034	1/1/2012	1350	1 Central	159	624 BATTERY - SIMPLE ASSAULT	NON	IC			Invest Cont	1700 E 7TH ST		(34.0348, 118.2362)	Central Bureau	
236800	1/1/2012	120104036	1/1/2012	1020	1 Central	111	330 BURGLARY FROM VEHICLE			BTFF	IC		N WILLY ST	ORD ST	(34.0628, 118.2395)	Central Bureau	
236801	1/1/2012	120104037	1/1/2012	415	1 Central	165	210 ROBBERY			ROBB	IC		6TH ST	W SAN JULIAN	(34.0423, 118.2452)	Central Bureau	
236802	1/1/2012	120104038	1/1/2012	1435	1 Central	139	997 TRAFFIC DR #			MSD	IC		ALAMEDA ST	2ND ST	(34.0472, 118.2381)	Central Bureau	
236803	1/1/2012	120104040	1/1/2012	1130	1 Central	139	510 VEHICLE - STOLEN			GTA	IC		TRACITION		(34.0487, 118.2364)	Central Bureau	
236804	1/1/2012	120104041	1/1/2012	1205	1 Central	162	626 SPOUSAL/COHAB ABUSE - SIMPLE ASSAULT	NON	IC			Invest Cont	700 S 4TH ST		(34.0487, 118.2556)	Central Bureau	
236806	1/1/2012	120104046	1/1/2012	1100	1 Central	118	330 BURGLARY FROM VEHICLE			BTFF	IC		1400 N SPRING ST		(34.0585, 118.2328)	Central Bureau	
236807	1/1/2012	120204017	1/1/2012	1345	1 Central	1345	1 THEFT PLAIN, PETTY (50\$ & UNDER)			THEFT	IC		1000 W HILL ST		(34.0591, 118.2572)	Central Bureau	
236806	1/1/2012	120204010	1/1/2012	105	2 Rampart	221	230 ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSA...			AGG	IC		ROSEWOOD	HELIOTROPE	(34.0798, 118.2578)	Central Bureau	
236829	1/1/2012	120204018	1/1/2012	40	2 Rampart	249	230 ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSA...			AGG	IC		300 S BOYLSTON ST		(34.0791, 118.2812)	Central Bureau	
236831	1/1/2012	120204016	1/1/2012	630	3 Rampart	361	110 BATTERY			BOMB	IC		HAMPS & MITCHELL	1100 E 4TH	(34.0641, 118.2664)	Central Bureau	

Showing 1 to 23 of 93,256 entries

2011 Dataset:

Project_Rptm311													01_11_15		01_11_15		01_06_11		01_12_15		01_11_15		01_11_15	
Filter																								
Date Rptd	DR_NO	DATE_OCC	TIME_OCC	AREA	AREA_NAME	RD	Crm.Cd	Crm.Cd.Desc	Crim.grp	Status	Status.Desc	Address	Cross.Street	LOCATION	Bureau									
33 12/31/2011	11022510	12/31/2011	1125	3	Southwest	328	997	TRAFFIC DR #	MISD	CC	Unknown	FIGUEROA ST	28TH ST	(34.0256, 118.2779)	South Bureau									
34625 11/07/2011	11051974	11/7/2011	1505	5	Harbor	929	997	TRAFFIC DR #	MISD	CC	Unknown	BROAD AV	G ST	(33.7786, 118.2610)	South Bureau									
42879 10/26/2011	11123544	10/26/2011	720	12	77th Street	1243	920	KIDNAPPNG - GRAND ATTEMPT	KID	CC	Unknown	68TH ST	VAN NESS	(0.0000, 0.0000)	South Bureau									
146774 04/29/2011	112109831	4/28/2011	2200	21	Topanga	2139	331	THEFT FROM MOTOR VEHICLE - GRAND (\$400 AND OV.	BTFF	CC	Unknown	7300 CORBIN AV		(34.2031, 118.5623)	Valley Bureau									
25319 01/14/2011	111204021	1/12/2011	1830	12	77th Street	1260	210	ROBBERY	ROBB	CC	Unknown	HOOPER ST	E3RD ST	(33.9632, 118.2871)	South Bureau									
1248 06/14/2012	120917857	12/30/2011	1400	9	Van Nuys	932	810	SEX UNLAWFUL	SEX_CRIME	JO	Juv Other	14800 ERWIN ST		(34.1837, 118.4553)	Valley Bureau									
1274 01/03/2012	11204100	12/30/2011	1200	12	77th Street	1213	813	CHILD ENDANGERMENT/NEG.	MISD	JO	Juv Other	1700 W 56TH ST		(33.9915, 118.3067)	South Bureau									
5129 12/26/2011	11122159	12/23/2011	1600	17	Devonshire	1759	310	BURGLARY	BURG	JO	Juv Other	10000 GAYNOR AV		(34.2525, 118.4808)	Valley Bureau									
5654 12/22/2011	11129920	12/22/2011	745	12	77th Street	1283	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	9500 S HOBART BL		(33.9499, 118.3676)	South Bureau									
5814 12/22/2011	11182395	12/22/2011	1430	18	Southwest	1849	310	BURGLARY	BURG	JO	Juv Other	11500 S MONA BL		(33.9304, 118.2306)	South Bureau									
6507 12/21/2011	11182343	12/21/2011	1530	18	Southwest	1849	210	ROBBERY	ROBB	JO	Juv Other	SANTA ANA	MONA	(33.9340, 118.2302)	South Bureau									
9225 12/20/2011	11020073	12/16/2011	2000	2	Rampart	212	810	SEX UNLAWFUL	SEX_CRIME	JO	Juv Other	VERMONT AV	BEVERLY BL	(34.0777, 118.2917)	Central Bureau									
9311 12/16/2011	110417029	12/16/2011	1615	4	Hollenback	448	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	1500 ZUNIGA LN		(34.0581, 118.1938)	Central Bureau									
9954 01/10/2012	12174475	12/16/2011	1600	17	Devonshire	1722	800	BATTERY WITH SEXUAL CONTACT	SEX_CRIME	JO	Juv Other	24252 DEVONSHIRE ST		(34.2572, 118.6000)	Valley Bureau									
9987 02/21/2013	131708376	12/16/2011	1200	17	Devonshire	1745	812	CHILD CRIME AGAINST	MISD	JO	Juv Other	17300 SAN JOSE ST		(34.2612, 118.5110)	Valley Bureau									
10520 12/21/2011	11212025	12/15/2011	1150	21	Topanga	2115	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	8200 TOPANGA CANYON BL		(34.2176, 118.6000)	Valley Bureau									
12345 12/14/2011	11152221	12/12/2011	2230	15	N Hollywood	1538	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	11300 BURBANK BL		(34.1722, 118.3771)	Valley Bureau									
13414 12/12/2011	11022834	12/10/2011	1200	9	Van Nuys	948	956	LETTERS, LEWD	MISD	JO	Juv Other	5500 FULTON AV		(34.1708, 118.4225)	Valley Bureau									
13632 12/11/2011	11102075	12/10/2011	235	18	Foot Hill	1802	745	VANDALISM - MISDEMEANOR (\$300 OR UNDER)	VAND	JO	Juv Other	15000 VAN NUYS BL		(34.2796, 118.4678)	Valley Bureau									
14792 12/06/2011	110027206	12/6/2011	1245	9	Van Nuys	908	930	CRIMINAL THREATS - NO WEAPON DISPLAYED	MISD	JO	Juv Other	5000 SUNNYSLOVE AV		(34.1613, 118.4260)	Valley Bureau									
15025 12/08/2011	111822748	12/8/2011	730	18	Southwest	1849	210	ROBBERY	ROBB	JO	Juv Other	2100 E 115TH ST		(33.9305, 118.2348)	South Bureau									
15241 12/07/2011	110417518	12/7/2011	945	4	Hollenback	415	624	BATTERY - SIMPLE ASSAULT	NON	JO	Juv Other	2500 HANCOCK ST		(34.0755, 118.2891)	Central Bureau									

Showing 1 to 23 of 236,504 entries

After changing in R: Common column name and combined dataset

Date/Report	DR#	DATE Occ	TIME Occ	AREA	AREA NAME	RD	Crm. Cd	Crm. Cd Desc	Crim-grp	Status	Status Desc	Address	Cross Street	LOCATION	Bureau
12/31/2011	11012247	12/31/2011	330	1	Central	111	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	AA	Adult Arrest	500 N FIGUEROA ST		(34.0617, 118.2469)	Central Bureau
12/31/2011	11012561	12/31/2011	830	1	Central	153	440	THEFT PLAIN - PETTY (\$950 & UNDER)	THEFT	IC	Invest Cont	500 S BROADWAY		(34.0481, 118.2507)	Central Bureau
12/31/2011	11012564	12/31/2011	1220	1	Central	111	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	AA	Adult Arrest	SPRING ST	CESAR E CHAVEZ	(34.0599, 118.2378)	Central Bureau
12/31/2011	11012567	12/31/2011	1620	1	Central	182	997	TRAFFIC DR #	MISD	IC	Invest Cont	OLYMPIC BL	OLIVE ST	(34.0423, 118.2595)	Central Bureau
12/31/2011	11012568	12/31/2011	1700	1	Central	182	510	VEHICLE - STOLEN	GTA	IC	Invest Cont	2000 E 11TH ST		(34.0402, 118.2598)	Central Bureau
12/31/2011	11012515	12/31/2011	1015	1	Central	150	210	ROBBERY	ROBB	AA	Adult Arrest	SANTA FE ST	8TH ST	(34.0584, 118.2305)	Central Bureau
12/31/2011	11012519	12/31/2011	130	1	Central	185	351	PURSE SNATCHING	THEFT	IC	Invest Cont	1000 S HILL ST		(34.0416, 118.2544)	Central Bureau
12/31/2011	11012520	12/31/2011	2130	1	Central	112	997	TRAFFIC DR #	MISD	IC	Invest Cont	ALISO	LOS ANGELES	(34.0549, 118.2395)	Central Bureau
12/31/2011	11012521	12/31/2011	2100	1	Central	182	997	TRAFFIC DR #	MISD	IC	Invest Cont	OLYMPIC BL	FIGUEROA ST	(34.0450, 118.2628)	Central Bureau
12/31/2011	11022457	12/31/2011	2200	2	Rampart	201	888	TRESPASSING	MISD	IC	Invest Cont	1000 N MARIPOSA AV		(34.0891, 118.2902)	Central Bureau
12/31/2011	11022462	12/31/2011	25	2	Rampart	266	626	SPOUSAL/COHABIT ABUSE - SIMPLE ASSAULT	NON	IC	Invest Cont	800 S UNION AV		(34.0523, 118.2722)	Central Bureau
12/31/2011	11022465	12/31/2011	405	2	Rampart	247	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	AA	Adult Arrest	BURLINGTON AV	3RD ST	(34.0605, 118.2604)	Central Bureau
12/31/2011	11022467	12/31/2011	725	2	Rampart	270	997	TRAFFIC DR #	MISD	IC	Invest Cont	VALENCIA	OLYMPIC	(34.0484, 118.2724)	Central Bureau
12/31/2011	11022479	12/31/2011	1130	2	Rampart	210	997	TRAFFIC DR #	MISD	IC	Invest Cont	SUNSET	BEADORY	(34.0652, 118.2452)	Central Bureau
12/31/2011	11022481	12/31/2011	1005	2	Rampart	240	997	TRAFFIC DR #	MISD	IC	Invest Cont	LUCAS AV	6TH ST	(34.0550, 118.2648)	Central Bureau
12/31/2011	11022483	12/31/2011	150	2	Rampart	233	210	ROBBERY	ROBB	IC	Invest Cont	100 N BENTON WY		(34.0699, 118.2775)	Central Bureau
12/31/2011	11022487	12/31/2011	1025	2	Rampart	256	442	SHORFUTTING - PETTY THEFT (\$950 & UNDER)	THEFT	IC	Invest Cont	1700 W 6TH ST		(34.0573, 118.2699)	Central Bureau
12/31/2011	11022489	12/31/2011	1400	2	Rampart	216	510	VEHICLE - STOLEN	GTA	IC	Invest Cont	TEMPLE ST	PARK VIEW ST	(34.0716, 118.2719)	Central Bureau
12/31/2011	11022490	12/31/2011	400	2	Rampart	261	997	TRAFFIC DR #	MISD	IC	Invest Cont	CARONDELET ST	W 8TH ST	(34.0588, 118.2821)	Central Bureau
12/31/2011	11022494	12/31/2011	1410	2	Rampart	261	626	SPOUSAL/COHABIT ABUSE - SIMPLE ASSAULT	NON	AO	Adult Other	800 S CARONDELET ST		(34.0588, 118.2821)	Central Bureau
12/31/2011	11022495	12/31/2011	955	2	Rampart	257	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	AA	Adult Arrest	WILSHIRE	WITHER	(34.0538, 118.2667)	Central Bureau
12/31/2011	11022499	12/31/2011	1200	2	Rampart	251	230	ASSAULT WITH DEADLY WEAPON, AGGRAVATED ASSAULT	AGG	JA	Juv Arrest	3RD ST	CORONADO ST	(34.0663, 118.2789)	Central Bureau

5. Addition of a new columns named Crime group and zip code in Excel. This was done to group the various crime codes which would help in portraying a better data visualization.

LA_Crimes_2012-2015 - Excel

PRIVACY PURSUHO

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Conditional FormattingFormat as Table

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CalculationCheck Cell

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Sort & Find & Filter - Select

4

CC

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	Date	DR#	DATE/LOC	TIME/LOC	AREA	AREA NAME	ZIPCODE	RD	Crm.Cd	Crm.Cd.Desc	CRIME GRP	Status	Status Desc	LOCATION	
3	3/20/2013	13200717	3/20/2013	2015	20	Olympic	90006	2004	997	TRAFFIC DR #	MISD	CC	Unknown	OXFORD	CAI
4	3/10/2013	130608787	3/10/2013	445	6	Hollywood	90028	635	997	TRAFFIC DR #	MISD	CC	Unknown	ODIN	ST
5	12/18/2013	131820260	12/18/2013	745	18	Southwest	90028	1839	997	TRAFFIC DR #	MISD	CC	Unknown	105TH	ST
6	10/18/2013	131817514	10/18/2013	1730	18	Southwest	90065	1827	997	TRAFFIC DR #	MISD	CC	Unknown	101ST	ST
7	5/26/2013	130510483	5/25/2013	2000	5	Harbor	90735	507	440	THEFT PLAIN - PETTY (UNDER \$400)	THEFT	CC	Unknown	1300 W SEPULVEDA	BL
8	5/24/2013	131215618	5/22/2013	1145	12	77th Street	90003	1211	997	TRAFFIC DR #	MISD	CC	Unknown	SATH	
9	2/10/2014	141296459	3/8/2014	2340	12	77th Street	90001	1259	997	TRAFFIC DR #	MISD	CC	Unknown	CENTRAL AVE	CAI
10	3/16/2014	141308108	3/16/2014	1530	13	Newton	90011	1347	510	VEHICLE - STOLEN	GTA	CC	Unknown	13 ALAMEDA ST	VEE
11	11/17/2012	120123832	11/16/2012	2030	1	Central	90014	152	888	TRESPASSING	MISD	CC	Unknown	400 W VENCE	BL
12	8/22/2012	120918469	8/22/2012	1940	9	Van Nuys	91401	956	997	TRAFFIC DR #	MISD	CC	Unknown	HAZELTINE	
13	7/16/2012	120619583	6/16/2012	1200	6	Hollywood	90028	644	922	CHILD STEALING	KID	CC	Unknown	1300 N VISTA	ST
14	5/9/2012	121110091	5/4/2012	2030	11	Northwest	90065	1102	997	TRAFFIC DR #	MISD	CC	Unknown	LOS FELIZ	BL
15	4/30/2012	121710427	4/30/2012	1115	17	Devonshire	91325	1764	997	TRAFFIC DR #	MISD	CC	Unknown	PLUMMER	ST
16	4/30/2012	12080818	4/28/2012	2100	8	West LA	90025	811	997	TRAFFIC DR #	MISD	CC	Unknown	GOSHEN	AV
17	3/18/2012	121209401	3/18/2012	1700	12	77th Street	90003	1255	997	TRAFFIC DR #	MISD	CC	Unknown	FLORENCE	BU
18	6/30/2014	141215426	1/1/2012	1200	12	77th Street	90001	1268	354	THEFT OF IDENTITY	MISD	CC	Unknown	200 E 85TH	ST
19	4/26/2013	131418131	4/2/2013	2300	14	Pacific	90066	1484	440	THEFT PLAIN - PETTY (UNDER \$400)	MISD	CC	Unknown	00 WORLD	WY
20	11/9/2013	131718469	11/9/2013	1830	17	Devonshire	91325	1718	310	BURGLARY	BURG	CC	Unknown	11400	GAYNOR
21	7/19/2013	131418620	7/19/2013	1940	14	Pacific	90066	1441	210	ROBBERY	ROBB	CC	Unknown	OCEAN FRONT	WY
22	2/12/2014	140608335	7/12/2014	30	6	Hollywood	90028	632	310	BURGLARY	BURG	CC	Unknown	8600	FRANKLIN
23	8/9/2014	141218155	7/30/2014	1200	12	77th Street	90003	1251	664	BUNCO, PETTY THEFT	THEFT	CC	Unknown	7700	CRENSHAW
24	1/18/2014	140105288	1/18/2014	930	1	Central	90014	157	310	BURGLARY	BURG	CC	Unknown	700	E 6TH
25	7/12/2014	141314825	7/11/2014	200	13	Newton	90011	1352	440	THEFT PLAIN - PETTY (\$950 & UNDER)	THEFT	CC	Unknown	100	E 45TH
26	4/27/2014	141310379	4/27/2014	530	13	Newton	90011	1373	997	TRAFFIC DR #	MISD	CC	Unknown	CENTRAL	AV
27	3/13/2014	140308003	3/11/2014	2000	3	Southwest	90062	308	330	BURGLARY FROM VEHICLE	BTFF	CC	Unknown	900	W 23RD
28	11/26/2014	141225513	11/26/2014	1100	12	77th Street	90003	1241	341	THEFT GRAND (\$950.01 & OVER)(EXCEPT GUNS,FOWL,LIVESTOCK,PROD	GTP	CC	Unknown	4500	S VICTORIA
29	10/31/2014	141223962	10/30/2014	1500	12	77th Street	90003	1239	920	KIDNAPPING - GRAND ATTEMPT	KID	CC	Unknown	1000	W 56TH
30	10/29/2015	151224700	10/28/2015	1200	12	77th Street	90003	1267	210	ROBBERY	ROBB	CC	Unknown	MANCHESTER	AV
31	7/19/2015	151224700	10/28/2015	1200	12	77th Street	90003	1267	210	ROBBERY	ROBB	CC	Unknown	800	E 4TH
32	7/10/2015	151181298	9/30/2015	2100	18	Southwest	90061	1826	626	SPOS(COACH) ABUSE - SIMPLE ASSAULT	NON	CC	Unknown	9200	FIRTH
33	7/30/2015	151173548	8/14/2015	1500	13	Newton	90011	1367	780	VANDALISM - FLEANT \$400 & OVER, ALL CHURCH VANDALISMS)	VAND	CC	Unknown	5100	HOLMES

Row 33 of 93752 records found

12/12/2015