Los Angeles Crime Data

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Data Cleaning w/ Jupyter Notebook

1) Dropped unnecessary columns

```
# drop unnessesary columns

df = df.drop(['DR_NO','Date Rptd', 'Rpt Dist No', 'Part 1-2', 'Mocodes','Vict Descent', 'Premis Cd','Weapon Used Cd', 'Status','Crm Cd 2', 'Crm Cd 3', 'Crm Cd 4'], axis=1)

Python
```

2) Cleaned Dataset visualized:

	DATE OCC	TIME	AREA	AREA NAME	Crm Cd	Crm Cd Desc	Vict Age	Vict Sex	Premis Desc	Weapon Desc	Status Desc	Crm Cd 1	LOCATION	Cross Street	LAT	LON
o	01/08/2020 12:00:00 AM	2230		Southwest	624	BATTERY - SIMPLE ASSAULT	36		SINGLE FAMILY DWELLING	Strong-ARM (Hands, Fist, Feet or Bodily Force)	Adult Other	624.0	1100 W 39TH PL	NaN	34.0141	-118.2978
1	01/01/2020 12:00:00 AM	330		Central	624	BATTERY - SIMPLE ASSAULT		М	SIDEWALK	Unknown Weapon/other Weapon	Invest Cont	624.0	700 S HILL ST	NaN	34.0459	-118.2545
3	01/01/2020 12:00:00 AM	1730		N Hollywood	745	Vandalism - Misdeameanor (\$399 Or Under)	76		Multi-unit dwelling (apartment, duplex, etc)	NaN	Invest Cont	745.0	5400 CORTEEN PL	NaN	34.1685	-118.4019
4	01/01/2020 12:00:00 AM	415		Mission	740	Vandalism - Felony (\$400 & Over, All Church Va			BEAUTY SUPPLY STORE	NaN	Invest Cont	740.0	14400 TITUS ST	NaN	34.2198	-118.4468
5	01/01/2020 12:00:00 AM	30		Central	121	RAPE, FORCIBLE			NIGHT CLUB (OPEN EVENINGS ONLY)	Unknown Weapon/other Weapon	Invest Cont	121.0	700 S BROADWAY	NaN	34.0452	-118.2534
752906	05/25/2023 12:00:00 AM	1100		N Hollywood	662	BUNCO, GRAND THEFT		М	OTHER PREMISE	NaN	Invest Cont	662.0	5300 DENNY AV	NaN	34.1667	-118.3643
752907	01/26/2023 12:00:00 AM	1800		Foothill	740	Vandalism - Felony (\$400 & Over, All Church Va		М	Vehicle, Passenger/Truck	NaN	Invest Cont	740.0	12500 BRANFORD ST	NaN	34.2466	-118.4054
752908	03/22/2023 12:00:00 AM	1000	16	Foothill	230	Assault with Deadly Weapon, Aggravated Assault			SIDEWALK	Strong-Arm (Hands, Fist, Feet or Bodily Force)	Invest Cont	230.0	12800 FILMORE ST	NaN	34.2790	-118.4116
752909	04/12/2023 12:00:00 AM	1630		77th Street	230	Assault with Deadly Weapon, Aggravated Assault		М	LAUNDROMAT	Unknown Weapon/other Weapon	Invest Cont	230.0	6100 S VERMONT AV	NaN	33.9841	-118.2915
752910	03/05/2023 12:00:00 AM	900	9	Van Nuys	745	VANDALISM - MISDEAMEANOR (\$399	53	F	MULTI-UNIT DWELLING (APARTMENT, DUPLEX,	NaN	Invest Cont	745.0	14500 HARTLAND	NaN	34.1951	-118.4487

SQLite, HTML, JS, & CSS

First, we imported our cleaned dataset into an SQLite database

HTML Javascript CS

```
(html lang="en")
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>LA Crime Dashboard</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="sty</pre>
  k rel="stylesheet" href="https://unpkg.com/leaflet@1.9.4/dist/leaflet.css"
  integrity="sha256-p4NxAoJBhIIN+hmNHrzRCf9tD/miZvoHS5obTRR9BMY="
  crossorigin=""/>
  <script src="https://unpkg.com/leaflet@1.9.4/dist/leaflet.js"</pre>
  integrity="sha256-20n0CchB9co0gIjJZRGuk2/Z9VM+kNivxNV1lvTlZBo="
  crossorigin=""></script>
  <script type="text/javascript" src="leaflet-heat.js"></script>
  <link rel="stylesheet" href="style.css">
  <div class="gradient-background">
```

```
let stationMarkers = []
v let street = L.tileLayer('https://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png', {
    attribution: '© <a href="https://www.openstreetmap.org/copyright">OpenStreetM
    attribution: 'Map data: © <a href="https://www.openstreetmap.org/copyright">0
 let stationLayer = L.layerGroup(stationMarkers)
 let heatLayer = new L.layerGroup()
 let areaLayer = new L.layerGroup()
 let baseMaps = {
    Street: street.
    Topography: topo
let overlayMaps = {
    LAPD: stationLayer,
    Crime: heatLaver.
    Districts: areaLayer
var map = L.map('map', {
```

```
#map { height: 550px}
.gradient-background {
   background: linear-gradient(to top, ■#3498db, ■#ffffff);
   height: 100%:
.shadowed-box {
   box-shadow: 5px 5px 7px 0 \( \square\text{rgba}(0, 0, 0, 0.2); \)
info-box {
   background: linear-gradient(to top, ■#8dd1ff, ■#ffffff); /* Gradient background */
   border-radius: 10px; /* Rounded corners */
   padding: 15px; /* Spacing inside the rectangle */
   width: 900px; /* Width of the rectangle */
   margin: 0 auto; /* Center the rectangle horizontally */
   box-shadow: 0 5px 5px pgba(0, 0, 0, 0.2); /* Optional shadow */
info-box-map
   background: linear-gradient(to top, ■#8dd1ff, ■#ffffff); /* Gradient background */
   border-radius: 10px; /* Rounded corners */
   padding: Opx; /* Spacing inside the rectangle */
   width: 1300px; /* Width of the rectangle */
   margin: 0 auto; /* Center the rectangle horizontally */
   box-shadow: 0 5px 5px [ rgba(0, 0, 0, 0.2); /* Optional shadow */
```