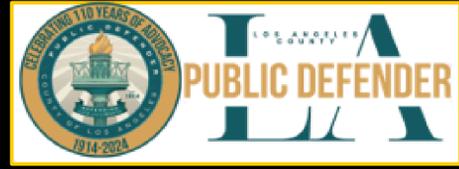


Data Visualization Dashboard

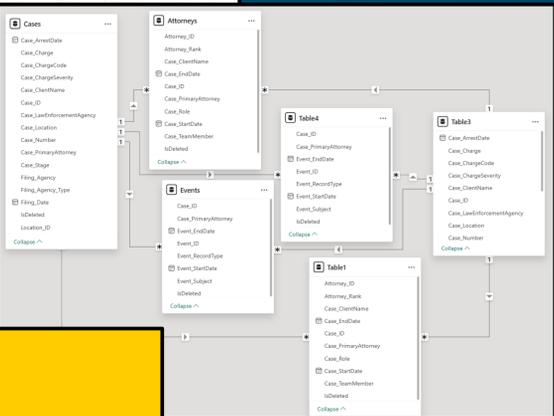


Team Members: Alec Bennardo, Elijah DeVera, Cesar Gomez, Daniel Herrera, Lynn Lee, George Melendrez, Alex Pena, Joseph Sandoval, Ratul Uddin
Faculty Advisor: Dr. Mark Baldwin



Los Angeles County Public Defender Office Liaisons: Mohammed Al Rawi, Gratia Dsouza, Mario Bonifacio
Department of College of Engineering, Computer Science, and Technology
California State University, Los Angeles

Case ID	SubStatus	Case Number	Case ClientName	Location_ID	Case Location	Case ChargeCode	Case Charge	Case ChargeCategory	Case Stage	Case ArrestDate	Case PrimaryAtt
19-0001	Felony	CN1000043	James Smith	UC0308	Inglewood	PC 21513	DUI causing injury	Felony	Final	Wednesday, January 8, 2020	Julia Davis
19-0002	Felony	CN1000046	Julia Johnson	UC0307	Compton	PC 499	Burglary	Felony	Final	Wednesday, January 11, 2020	Nashale Morrison
19-0003	Felony	CN1000129	Robert Williams	UC0318	Lancaster	VC 1250046	Driving without a license	Felony	Final		
19-0004	Felony	CN1000172	Michael Brown	UC0307	Compton	PC 2151506	DUI (alcohol)	Felony	Final		
19-0005	Felony	CN1000193	William Jones	UC0308	Inglewood	PC 14739	Solicitation	Felony	Final		
19-0006	Final	CN1000338	David Miller	UC0305	Barstow	PC 187	Homicide	Felony	Final		
19-0007	Felony	CN1000391	Richard Davis	UC0303	Santa Monica	PC 10032	Probation violation	Felony	Final		
19-0008	Felony	CN1000344	Joseph Garcia	UC0307	Compton	VC 2151506	DUI (alcohol)	Felony	Final		
19-0009	Felony	CN1000387	Thomas Rodriguez	UC0308	Inglewood	PC 14739	Solicitation	Felony	Final		
19-0010	Felony	CN1000430	Charles Wilson	UC0302	Long Beach	PC 2151506	DUI (alcohol)	Felony	Final		
19-0011	Felony	CN1000473	Christopher Martinez	UC0318	Lancaster	PC 499	Burglary	Felony	Final		
19-0012	Final	CN1000516	David Anderson	UC0305	Barstow	PC 187	Homicide	Felony	Final		
19-0013	Felony	CN1000559	Matthew Taylor	UC0303	Santa Monica	PC 2450870	Assault with a deadly weapon	Felony	Final		
19-0014	Felony	CN1000602	Anthony Hernandez	UC0309	Torrance	PC 10032	Probation violation	Felony	Final		
19-0015	Felony	CN1000645	Mark Moore	UC0308	Inglewood	PC 21513	DUI causing injury	Felony	Final		
19-0016	Felony	CN1000688	Paul Martin	UC0317	El Monte	PC 422	Criminal threats	Felony	Final		
19-0017	Felony	CN1000721	Steven Jackson	UC0304	Pasadena	PC 273.5	Domestic violence	Felony	Final		
19-0018	Felony	CN1000754	Andrew Thompson	UC0304	Pasadena	PC 2450870	Assault with a deadly weapon	Felony	Final		
19-0019	Felony	CN1000817	Kenneth White	UC0302	Long Beach	PC 487	Grand theft	Felony	Final		
19-0020	Felony	CN1000860	Isabella Lopez	UC0303	Santa Monica	PC 602	Trespassing	Felony	Final		
19-0021	Felony	CN1000903	Kevin Lee	UC0311	West Hollywood	PC 487	Grand theft	Felony	Final		
19-0022	Felony	CN1000946	Brian Gonzalez	UC0309	Torrance	PC 487	Grand theft	Felony	Final		
19-0023	Felony	CN1000989	George Harris	UC0303	Santa Monica	PC 487	Grand theft	Felony	Final		
19-0024	Felony	CN1010132	Tammy Clark	UC0301	Los Angeles	PC 10032	Probation violation	Felony	Final		
19-0025	Felony	CN1010175	Ronald Lewis	UC0301	Los Angeles	VC 1250046	Driving without a license	Felony	Final		
19-0026	Final	CN1010118	Edward Robinson	UC0313	Alhambra	PC 3950870	Assault with a deadly weapon	Felony	Final		
19-0027	Felony	CN1010161	Jason Walker	UC0306	Glendale	VC 1250046	DUI causing injury	Felony	Final		
19-0028	Felony	CN1010204	Jeffrey Perez	UC0301	Los Angeles	PC 487	Grand theft	Felony	Final		
19-0029	Final	CN1010147	Patricia Hall	UC0303	Santa Monica	PC 487	Grand theft	Felony	Final		
19-0030	Felony	CN1010200	Joseph Lopez	UC0302	Long Beach	PC 602	Trespassing	Felony	Final		
19-0031	Felony	CN1010133	Case Smith	UC0306	Glendale	PC 2450870	Assault with a deadly weapon	Felony	Final		
19-0032	Felony	CN1010176	Nicholas Johnson	UC0313	Alhambra	PC 187	Homicide	Felony	Final		
19-0033	Felony	CN1010147	Eric Williams	UC0306	Glendale	PC 2450870	Assault with a deadly weapon	Felony	Final		

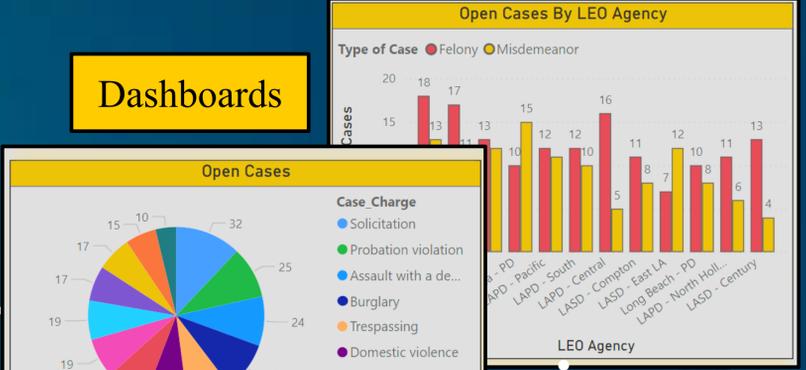


Background & Problem

The LA County Public Defender's Office serves over 9 million residents and handles more than 140,000 cases each year. To manage this workload, LACPD uses Power BI to visualize data, monitor department activity, and track case assignments across the county.

Objective

Our objective was to deliver a Power BI dashboard designed for executives—featuring clear visuals that highlight the key insights needed to effectively track and manage employee workloads.



Attorney Slicers

Search: []

- Select all
- A0001 - Alex Martinez
- A0002 - Bianca Ruiz
- A0003 - Carlos Gomez
- A0004 - Diana Lopez
- A0005 - Edward Kim
- A0006 - Fiona Wong

Date: 1/16/2020 to 4/22/2025

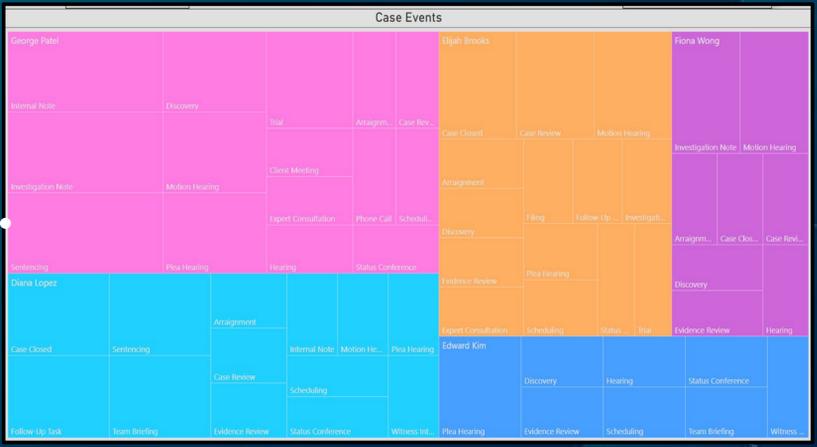
Attorney: [All]

Case Charge Type: [All]

Case Stage: [All]

Case Status: [All]

Custom slicers for filtering data.



Filters dynamically update visuals with numerous options.

Cases by Location

Map showing case distribution across California locations like Los Angeles, Lancaster, and San Bernardino.

Active Cases: 263 / 526

Pending Cases: 55 / 110

Assigned Cases in April 2025: 9

Buttons: Ctrl-Click, Clear Filters

Results

Using slicers and filters will create dashboards that allow executives to easily explore trends in case types, workload, and agency activity. These interactive tools help decision-makers quickly isolate key data points and gain deeper insights for strategic planning.

Visualizations

Build visual: []

Various native data visualization implementations in Power BI.

Manage security roles

Create new security roles and use filters to define row-level data restrictions.

Roles: [+ New]

Select tables: Attorneys, Cases, Charge_Mappi..., DataTable, Event_Mapping, Events, Location_Map..., Role_Mapping

Filter data: [+ New] [Deselect all] [Delete] [Group] [Ungroup]

Export

- Power BI template
- Export to PDF

Roles by security clearance.