The background features a blue and green bokeh pattern with a glowing green line graph on the left and a glowing red line graph on the right. In the center, there is a circular inset showing a group of people in orange jumpsuits, likely inmates, walking in a line. This inset is surrounded by a red, spiky, virus-like border.

Spread of COVID19 Adult Detention Facilities in LA County

<https://github.com/Apichaya01/Group4>

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Abstract



This analysis will look at the relationship COVID-19 cases within adult detention facilities in Los Angeles County.

- Positive cases by center.
- Percentage of inmates getting tested.
- Protocols in place.
- Best use of resources.

Introduction

COVID stats

- 8,476,399 Cases
- 87,809 Deaths
- Lockdown since March



California Prisons

- Second largest prison population
- Notorious overcrowding
- “Vulnerable” population (older people)



LA County Jails

1,170,422
Total LA inmates

10,044,458
Total LA population*

12%
% ratio

Number_of_Incarcerated_in_the_Facility per Facility_Name

1 Filter



Number_of_Incarcerated_in_the_Facility per Facility_Name

1 Filter





LA County Detention Centers and COVID-19

LA North County
Correctional Facility

Twin Towers
Correctional
Facility

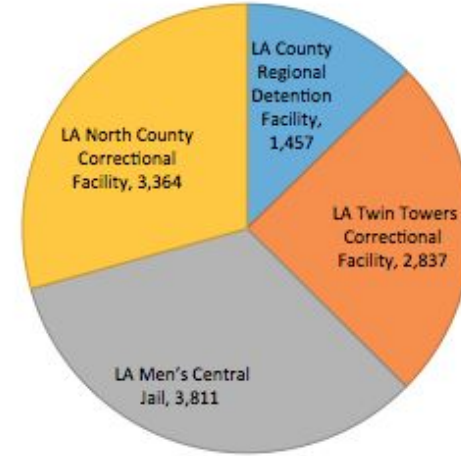
Century Regional
Detention Facility

LA Men
County Jail

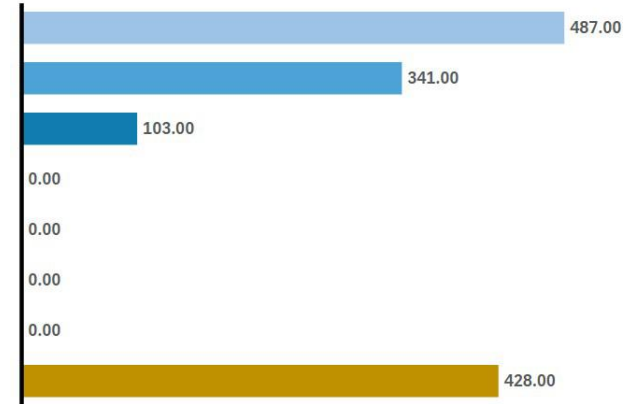


LA County Detention Centers and COVID-19

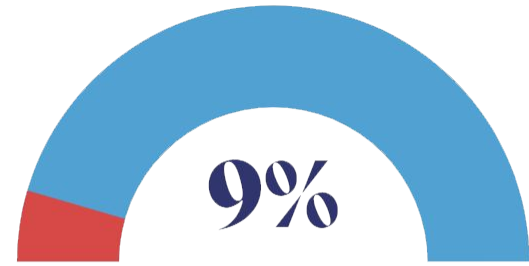
<https://higher-education.us10.sapanalytics.cloud/sap/fpa/ui/app.html#/story&/s/5353D682F9ACBC7A9DCDE2A68B03AE5C/?resourceType=STORY&mode=view>



- LA Century Reg. Det. Facility
- LA North County Corr. Facility
- LA Pitchess North Facility
- LA Pitchess North Facility
- LA Men's Central Jail
- LA Pitchess East Facility
- LA Pitchess South (No. Annex)
- LA Twin Towers Corr. Facility



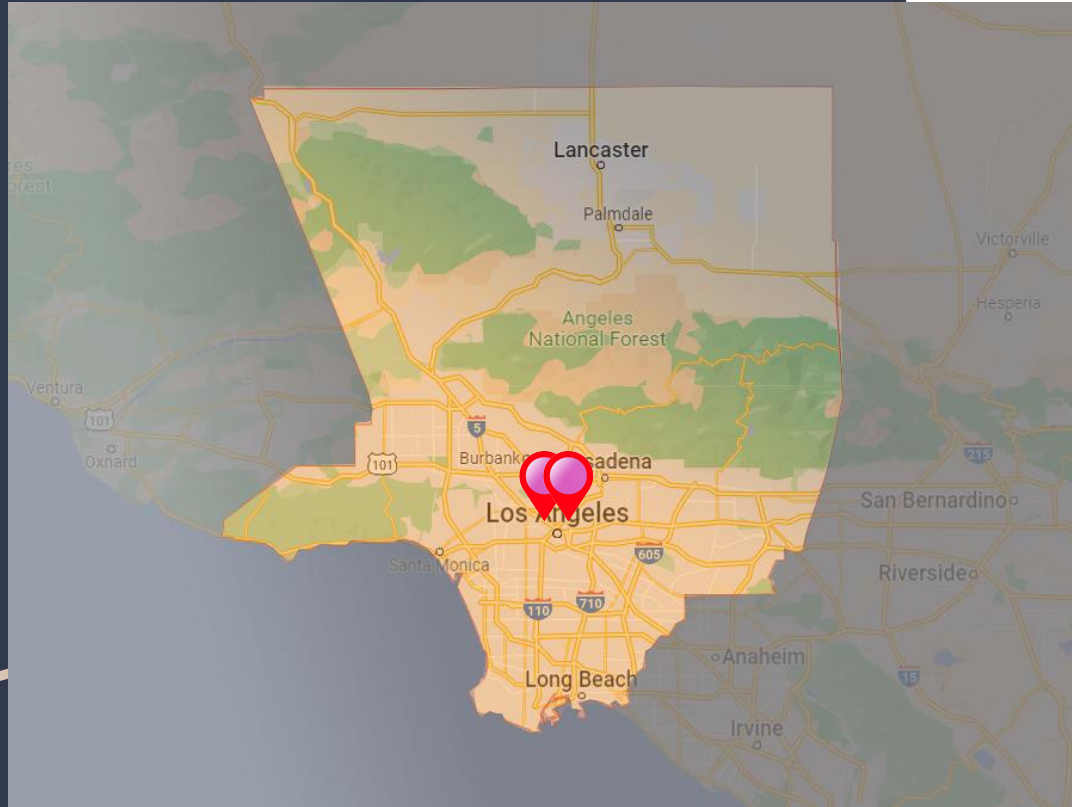
LA County Detention Centers During COVID-19



- LA Men's Central Jail



- LA Twin Towers
Correctional Facility





3%

**LA North County
Correctional Facility**

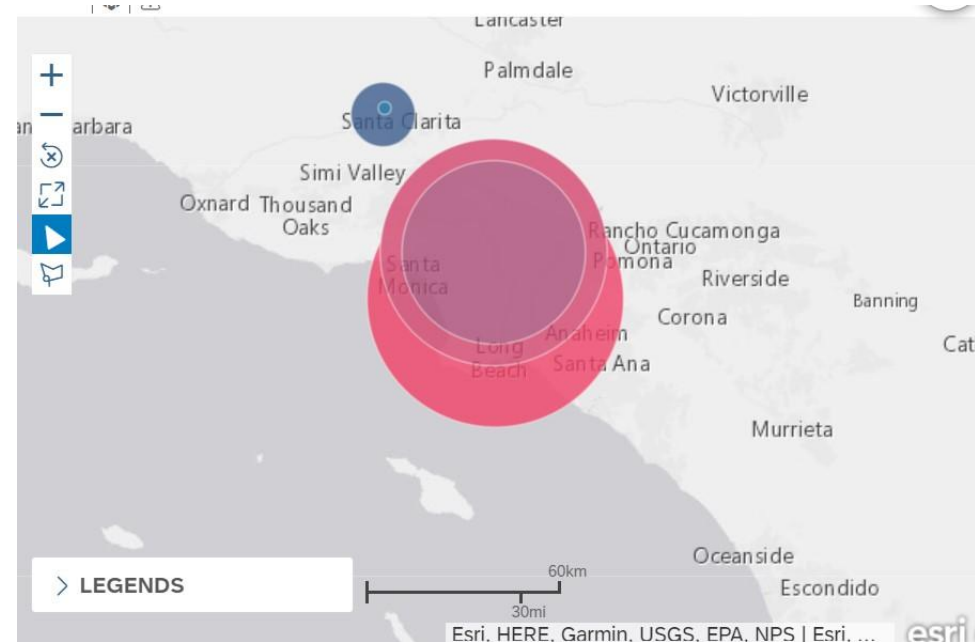
33%

**Century Regional
Detention Facility**

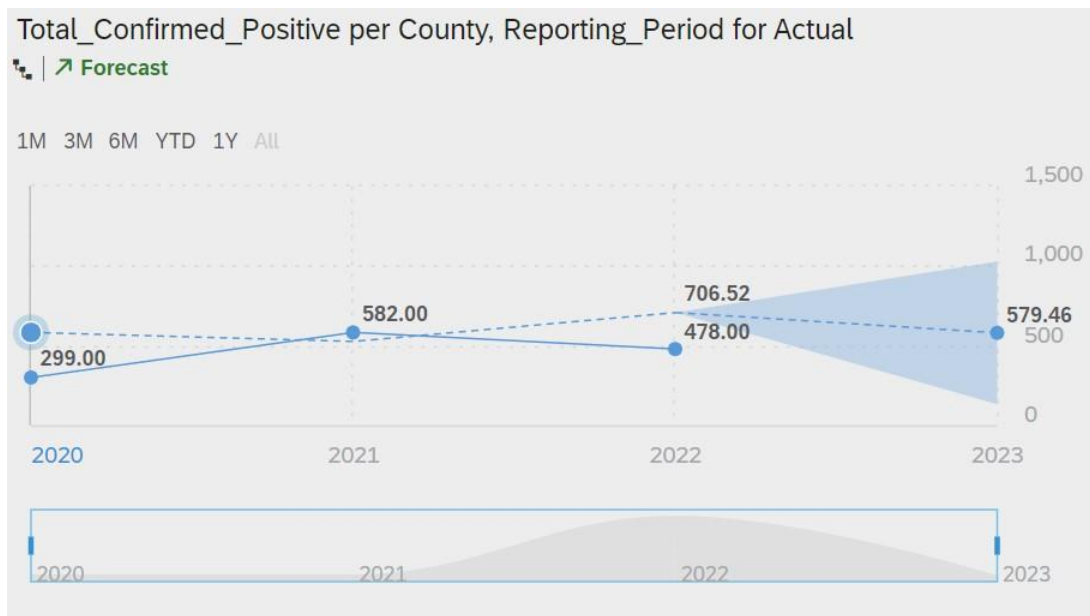
LA County Detention Centers During COVID-19

Geo Map

- Drill down to the LA county area with the bubble on geo diagram
- SAP AC UI allow user to specify mapping technique



Time Series



<https://higher-education.us10.sapanalytics.cloud/sap/fpa/ui/app.html#/story&/s/5353D682F9ACBC7A9DCDE2A68B03AE5C/?resourceType=STORY&mode=view>



- New policies were developed as a result of COVID-19 to help control the spread



New COVID-19 Policies Examples:

- Anyone with flu like symptoms were immediately quarantined
- Screening of incoming inmates before entering the Inmate Reception Center
- Asymptomatic inmates who reported to be in close contact with a COVID-19 positive were required to wear a mask or quarantine as appropriate



New COVID-19 Policies Examples (cont.):

- Additional cleaning of detention centers
- Visitations STOPPED for about a year
- Positive COVID-19 inmates couldn't go to court



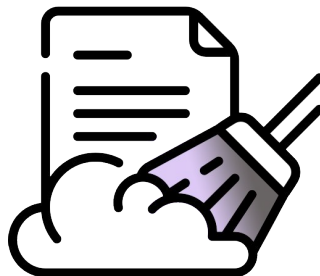
Analysis & Visualization

Our process in looking at the data:

- Which ones experience more than others=Bar Graph
- Where the county facilities are located=Geo Graph
- Span of time where covid cases occurred=Time Series



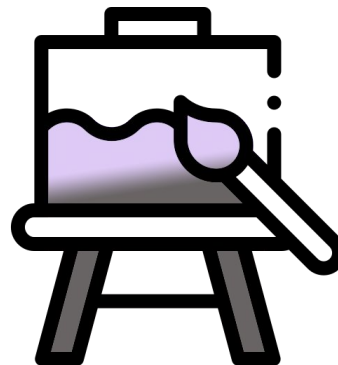
Acquire Data



Clean up & verify



Upload to SAP SAC



Set up parameter



Visualize Data

Data Flowchart

Data Cleaning

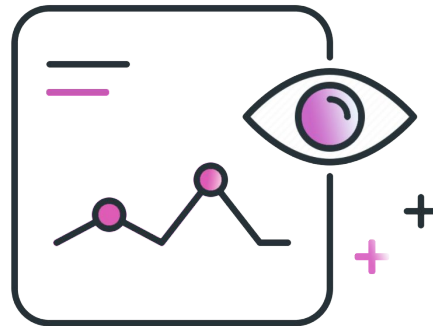
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2



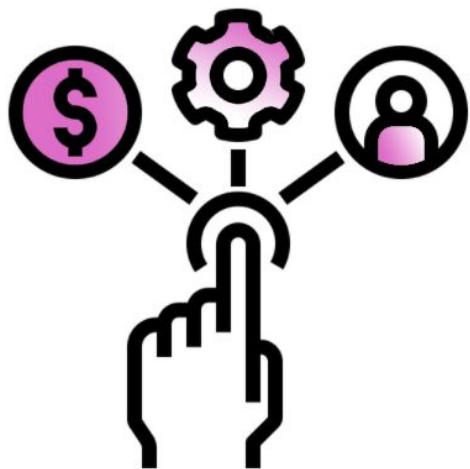
3



4



Related Work



- <https://theintercept.com/2021/03/02/covid-jails-los-angeles-court-dates/>
- <https://www.cbs8.com/article/news/local/california/covid-cases-triple-california-juvenile-prisons/509-96ee5dbe-8173-48ce-8b1d-d622e8013da4>
- <https://data.ca.gov/dataset/covid-19-in-local-adult-detention-facilities>

Data Source

Data Set Source:

- California Open Data Portal
- COVID-19 in Local Adult Detention Facilities



Conclusion



- Practices in LA County detention centers changed significantly as a result of COVID-19.
 - No visitors allowed during the peak of the pandemic.
 - New policies
 - Quarantine requirements
 - Increased cleaning



Conclusion



- Controlled population
- Positive COVID-19 cases do not compare to percentages in general LA County population
- Inmates declined COVID-19 tests
- Potential lack of tests

Questions?



