



Spread of COVID19

Adult Detention
Facilities in LA
County

Maria Barriga Beltran | Wendy Cano | Apichaya Chumsai | Haik Kosoyan | Debbie Lemus | Sandra

Tenorio



Abstract



This analysis will look at the relationship between 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)

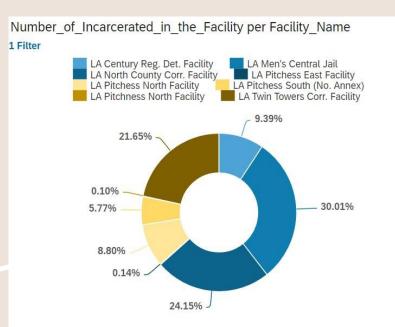
LA County Jails



1,170,422Total LA inmates

10,044,458
Total LA population*

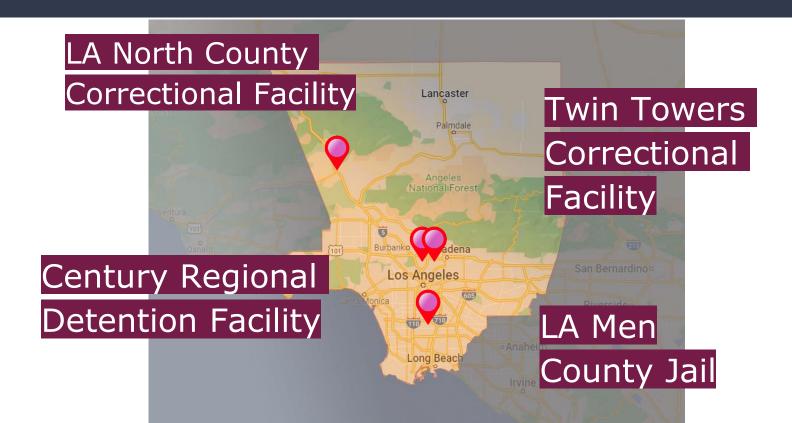
12% % ratio



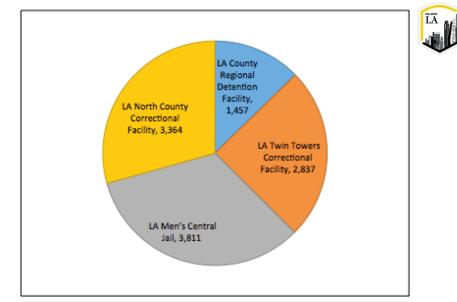


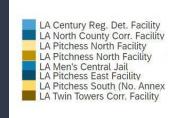


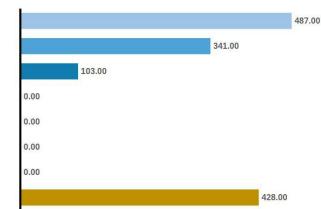
LA County Detention Centers and COVID-19



LA County Detention Centers and COVID-19



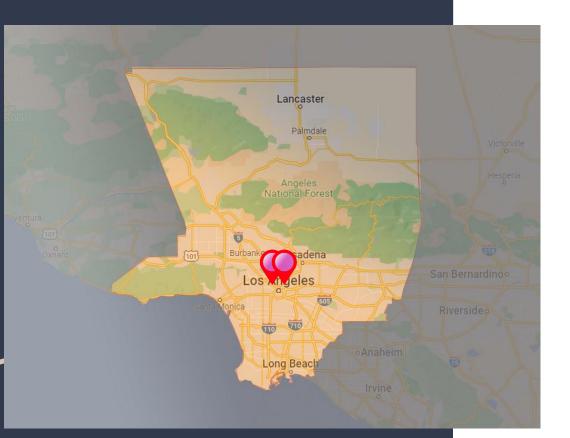




https://highereducation.us10.sapanalytics.cloud/sap/fp a/ui/app.html#/story&/s/5353D682F9ACE C7A9DCDE2A68B03AE5C/?resourceType=

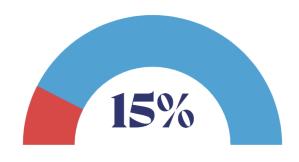
STORY&mode=view

LA County Detention Centers During COVID-19



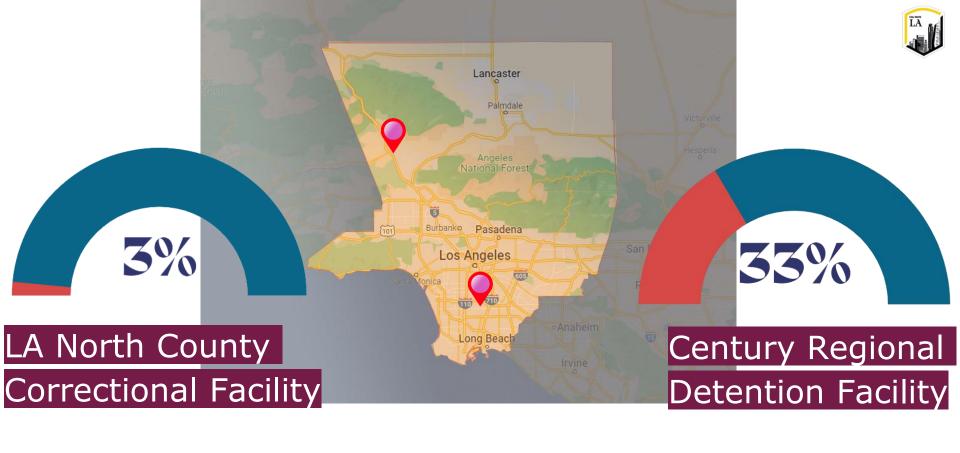






LA Twin Towers

Correctional Facility



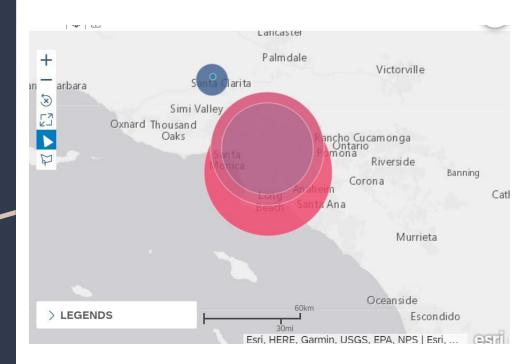
LA County Detention Centers During COVID-19



Geo Map

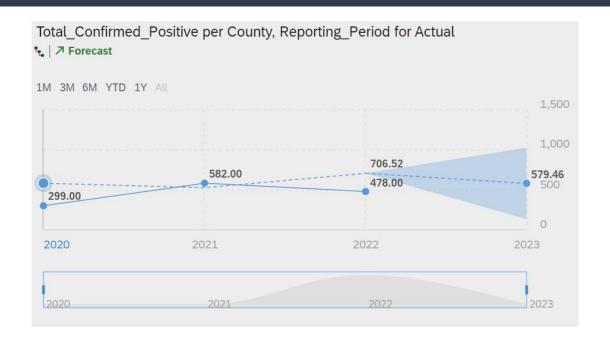
 Drill down to the LA county area with the bubble on geo diagram

SAP AC UI allow user to specify mapping technique





Time Series



https://higher-





 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

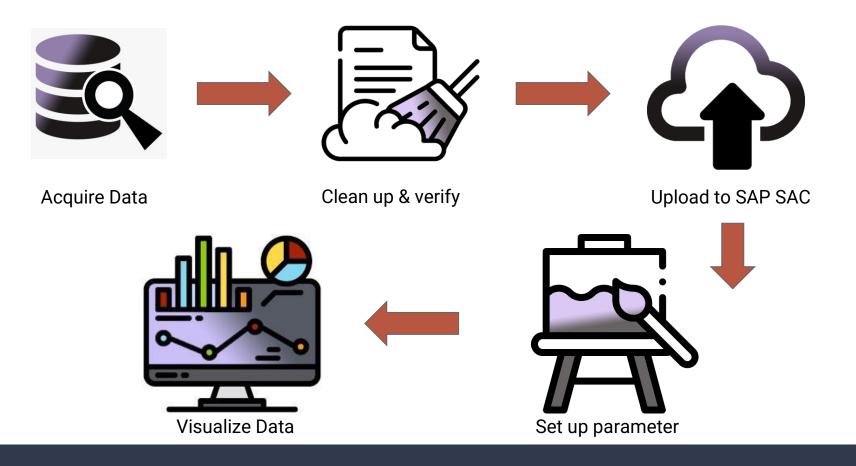


Analysis & Visualization

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





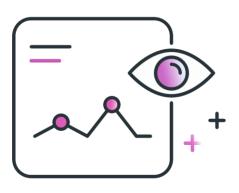
Data Flowchart

Data Cleaning















Related Work





- https://theintercept.com/2021/03/02/covid-jails-losangeles-court-dates/
- https://www.cbs8.com/article/news/local/california/covid-cases-triple-california-juvenile-prisons/509-96ee5dbe-8173-48cc-8b1d-d622e8013da4
- https://data.ca.gov/dataset/covid-19-in-local-adultdetention-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?



