

Stories from a Tech-Informed Diversity Journey

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L.A. Data Scientists

+ Solving Multiple Challenges

Tackle tough City problems with new ideas, diverse thoughts, and new technology

Expose City staff to new approaches and technologies

Recruit young people to City government by showing them the impact they can have in their neighborhood

Students need real-world, resume-building problems and data that have a big impact

=

- Data Science Federation
- Data Angels
- NSF and NASA grants for R&D and curriculum creation for data science

Data Science Federation

18 Universities
and Colleges

City data
challenges

Data science
professors and
students

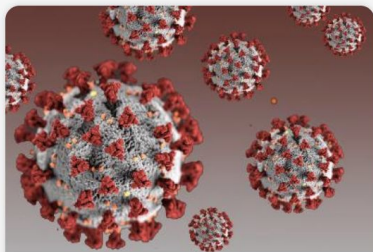
Predict
Analyze
Visualize
Design
Simulate



National Science Foundation SEED Scholars



- Bridge non-profit and City issues
- 4-year university degree with 3 years in data science



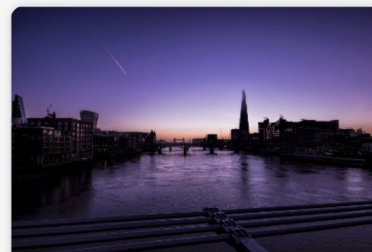
Effects of COVID-19 on
Older Adults 2020



LA Harbor Asthma Pollution
Heat Map



Uncovering the Challenges
of LGBTQ Youth and...

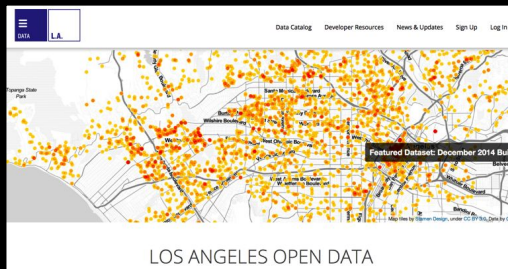


Los Angeles River

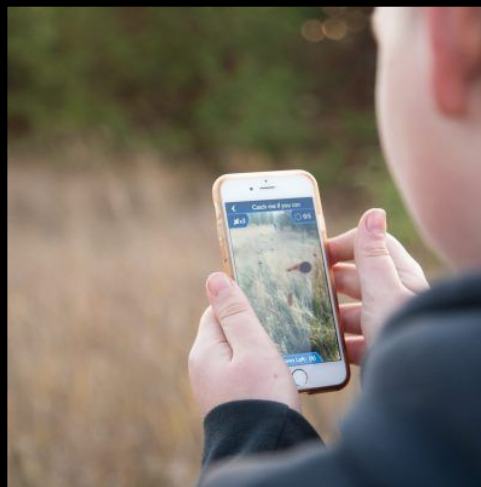


Volunteer data
scientists

Focus on a
City-critical
project



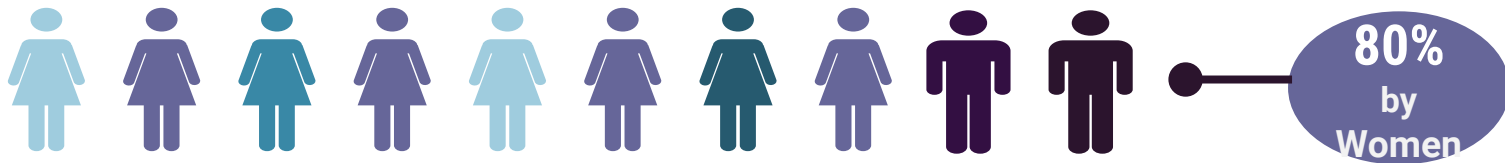
Sign up to be an Angel: bit.ly/3j0rAdw



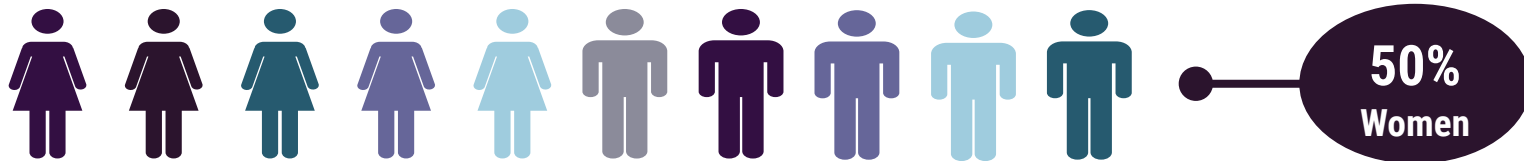
+ Equity and Ethics

- Projects include issues for equity (environmental justice, racial equity, and bias)
- Data sharing agreements
- City Digital Code of Ethics and Digital Bill of Rights in process
- Digital equity efforts for the public and students

Projects
Submitted



University
Partners
Heading
Research



Artificial
intelligence

Predictive
analytics

Personal
assistants

Machine
learning

Internet of
things

Blockchain

Gamification

Virtual and
augmented
reality

Open data
systems



LOS ANGELES OPEN DATA



The Economy



Public Safety



Environment



City Services



City Budget



Events & Culture



Parks & Libraries



Transportation

HEALTH AND WELLNESS



10.0%
COUNTY POSITIVE TEST RATE TO DATE

[Click here to see more details](#)

[Metrics for Reopening - LA County](#) [COVID-19 Surveillance](#)

*Trends displaying a 3 or 7 day avg for a rolling 30 days.
*Dashed lines indicate April data by comparison for

HELPING RESIDENTS

ANGELENO CARDS

37,813 **104,122** **\$36.7M**
CARDS DISTRIBUTED INDIVIDUALS SERVED AMOUNT DISTRIBUTED

SENIOR MEALS

20,320 **60,960**
INDIVIDUALS SERVED MEALS PER DAY

PROJECT ROOMKEY

4,275 **639**
CURRENT INDIVIDUALS HOUSED CURRENT AVAILABLE OCCUPANCY

RENTER PROTECTIONS

[Understand your legal rights about L.A.'s rent moratorium](#)

CITY SERVICES

[311 CALLS ANSWERED](#)

18,187
LAST WEEK

[STREET SECTIONS RESURFACED](#)

57
JULY 2020

[BUILDING PERMITS ISSUED](#)

955
LAST WEEK

COVID-19 SERVICES

[Schedule a free
COVID-19 Test](#)

180,981
N95 MASKS IN STOCK

LATEST UPDATES

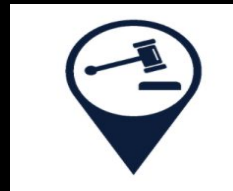
Extend relaxed parking enforcement; may disconnect utility service at a house hosting large parties in violation of public health orders

CASES/DEATHS BY ETHNICITY

Select Metric	Percent Of County Deaths By Ethnicity			Total	% of Total	Population Percent	Crude Rate	% of Total Non-Missing
Deaths								
	Latino/Hispanic	<div><div></div></div> 51.3%		3,220	51.3%	47.6%	68	51.4%
	White	<div><div></div></div> 23.1%		1,448	23.1%	25.9%	54	23.1%
	Asian	<div><div></div></div> 14.5%		913	14.5%	14.8%	65	14.6%
	Black/African American	<div><div></div></div> 9.8%		616	9.8%	8.0%	78	9.8%
	Other	<div><div></div></div> 0.5%		34	0.5%	2.7%		0.5%
Native Hawaiian or Other Pacific Island..		<div><div></div></div> 0.4%		22	0.4%	0.3%	115	0.4%
	Unknown/Missing	<div><div></div></div> 0.3%		16	0.3%			
	American Indian or Alaska Native	<div><div></div></div> 0.2%		12	0.2%	0.8%	55	0.2%

* Crude rate is per 100,000 population (2018 estimates).

* Cases and deaths by ethnicity are cumulative and updated each Monday and do not include the cities of Long Beach and Pasadena.




COVID-19 EMERGENCY FINANCIAL ASSISTANCE
ANGELENO CARD
LEARN MORE AND APPLY: [HCIDLA.LACITY.ORG](https://hcidla.lacity.org)

FREE EMERGENCY MEALS FOR SENIORS

A free home delivery meal program for seniors in the City of Los Angeles. To apply for the program and get more information:

Visit Coronavirus.LACity.org/SeniorMeals

PROJECT ROOMKEY

covid19.lacounty.gov 

L.A. CARES Corps

Connecting L.A. Businesses to Federal SBA Loans during COVID-19

LA Represents

LA Represents is an unprecedented legal assistance initiative to help thousands of Angelenos who are facing extreme hardship due to the COVID-19 pandemic.

LOGISTICS VICTORY
LOS ANGELES

Coronavirus: What You Need to Know about L.A.'s Renter Protections

City of L.A. Resource Guide for Immigrants during COVID-19 crisis

Corona-Virus.LA/Resources



Know Your Community

Neighborhood Councils

99

Neighborhood Leaders and Liaisons

1,297

Population of Los Angeles

3,792,621

Do You Know Your Community?

Learn more about upcoming city events and projects in your neighborhood and how to get involved.

Los Angeles Community Window

90002

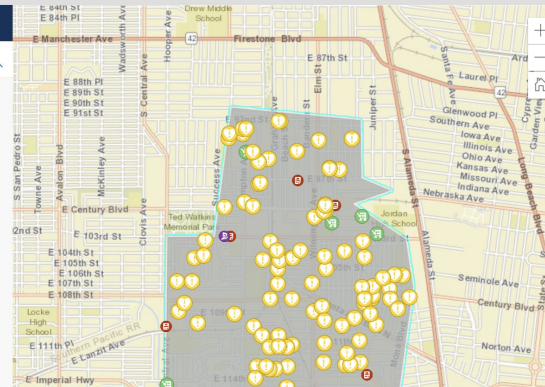


Neighborhood Council.

Click on any of the results below to highlight that item on the map.

- 1 Neighborhood Council Information >
- 5 Voting Centers >
- 1 Neighborhood Council Meeting Location >
- 5 Building and Safety Permits >
- 120 Open 311 Requests >

Follow these links to view the complete data:



COVID Computational Challenge

- Global innovation challenge to calculate a risk score for your exposure to COVID in specific place in L.A. over time
- 40 teams competed for 2 weeks → sustainable, ethical, usable solution
- Training is data ethics and inequities of COVID on communities of color
- Winner was USC research lab with other prizes for excellent models, user interface, and rising star
- Partners: County Public Health, UCLA Computational Medicine, Esri, Snowflake, SafeGraph, Mastercard, RMDS as organizer

2020 COVID-19 Computational Challenge

Brought to you by City of LA and RMDS

Register Today!

Overview Timeline Problem Data Submission Deliverables Guidelines Prizes Code of Conduct

Overview

Welcome challengers! The COVID Computational Challenge will create an innovative solution to determining the risk of exposure to COVID-19 in locations in and around the City of Los Angeles. This two-week challenge will provide ideas and concepts to help deepen our understanding of the issues that may increase or decrease COVID-19 exposure risks, how to calculate these risks while being respectful of data privacy.

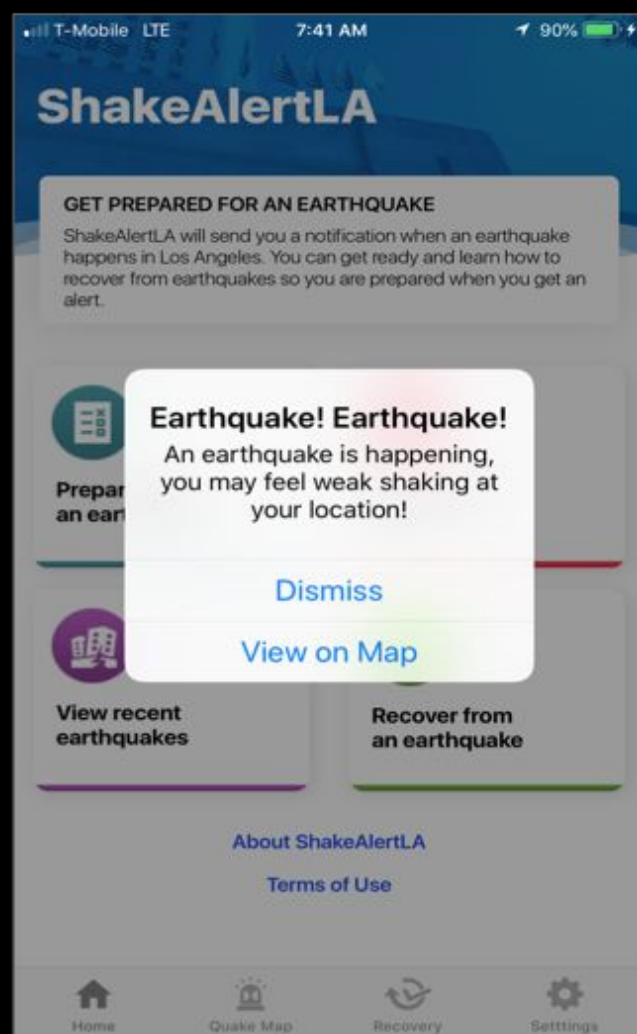
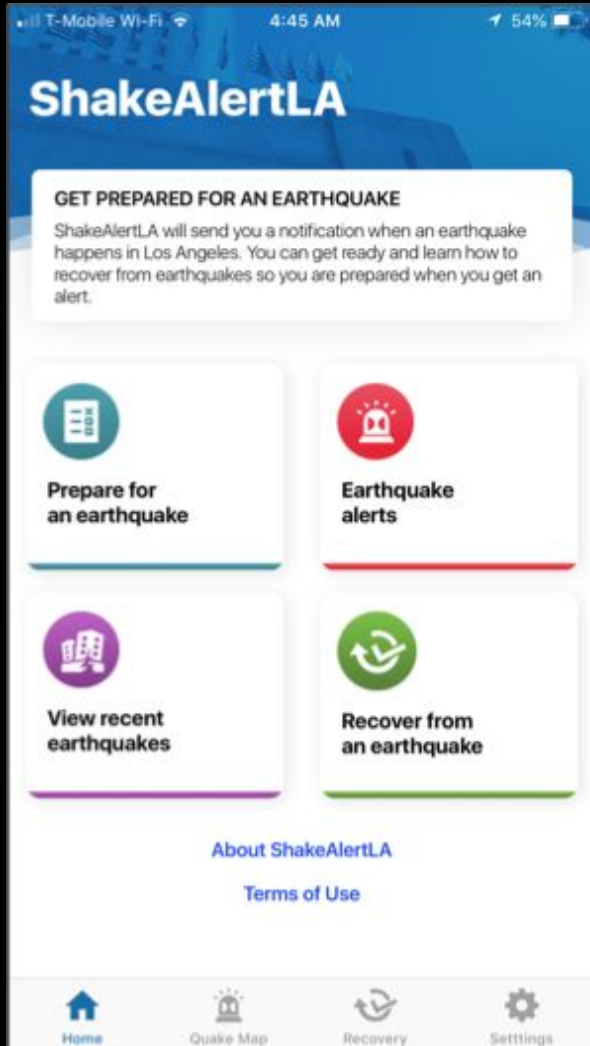
[Link to challenge](#)

[Link to winning open source model](#)

Predicting What We Breathe

- Using machine learning to understand urban air quality using satellite and ground data
- Create a model for the city, measure impact of interventions, share globally with sister cities via C40
- Includes programs for improving outcomes and citizen science for environmental equity and justice
- NASA grant funded
- Partners: CSULA, AQMD, Anthem Blue Cross, SmartAirLA, OpenAQ





+ Mobility and Traffic Safety



City of Los Angeles data for Sustainable Development Goal indicators

Click on each goal, or [search](#), for City of Los Angeles statistics for Sustainable Development Goal global indicators.



