Training a Generation of Data Scientists in Los Angeles

Jeanne Holm *@JeanneHolm*
Senior Technology Advisor to Mayor Garcetti
Deputy CIO, City of Los Angeles

Artificial intelligence

Predictive analytics

Personal assistants

Machine learning

Internet of things

Blockchain

Gamification

Virtual and augmented reality

Open data systems

Equity | Ethics | Inclusion | Co-Learning | Empower-ment

City Data and Predictive Analytics

+ girls who code

HACK FOR LA

Citizen ideas with civic focus

Twice weekly civic hacking nights

Food Oasis

Work for LA

Adopt-A-Civic Artwork

Curb Map

Data Science Federation

18 Universities and Colleges

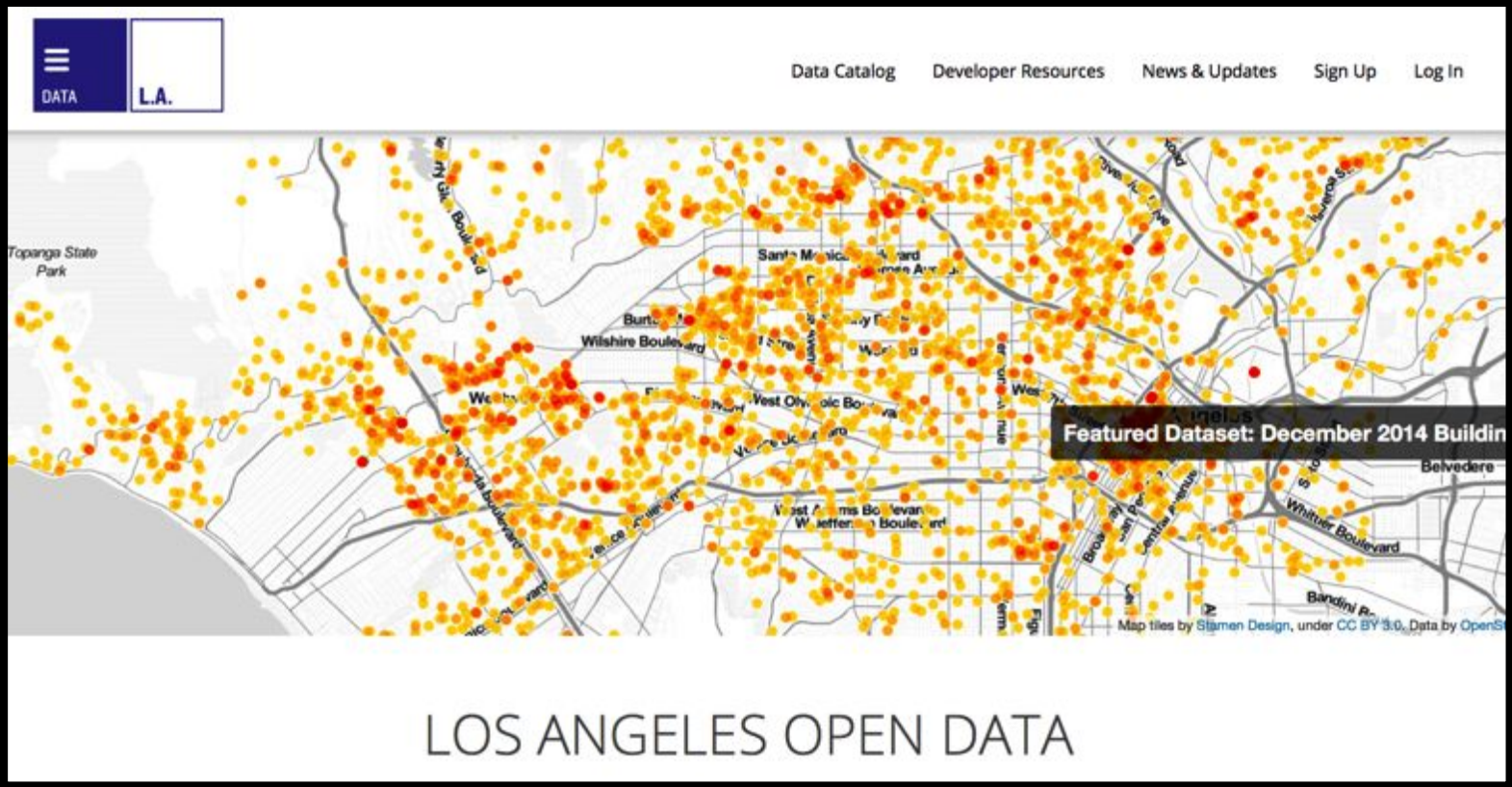
City data challenges

Data science professors and students

Predict
Analyze
Visualize
Design
Simulate

BANK

Comprehensive Homeless Strategy



LOS ANGELES OPEN DATA

The Economy

Public Safety

Environment

City Services

City Budget

Events & Culture

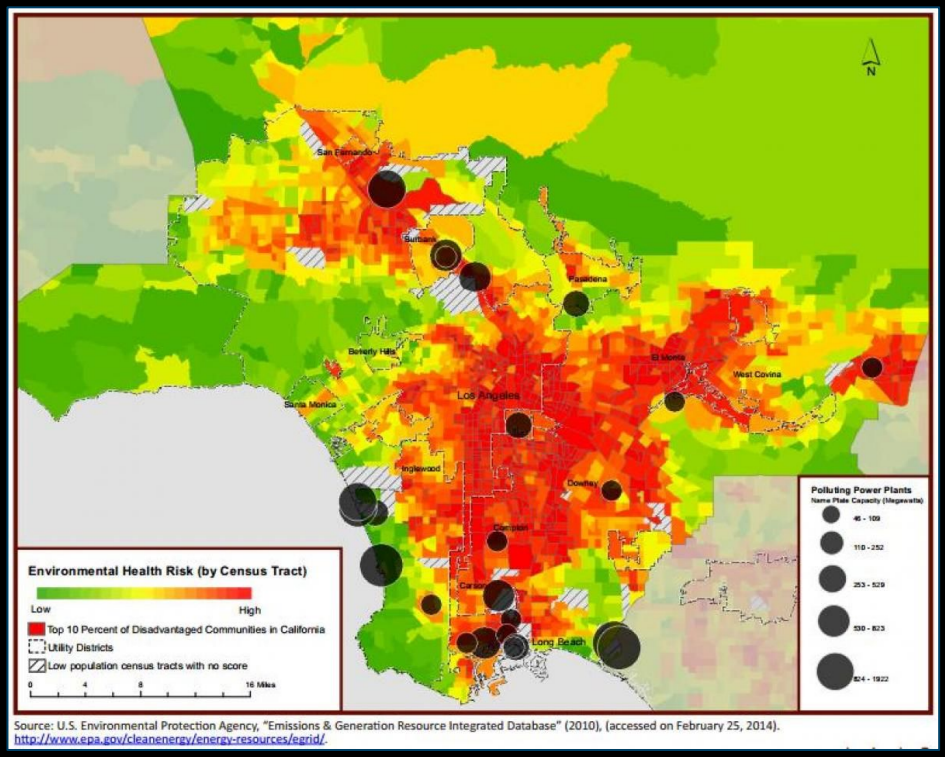
Parks & Libraries

Transportation

BREATHE

NASA

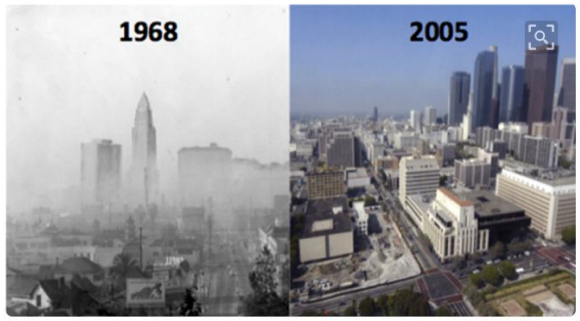
SmartAirLA

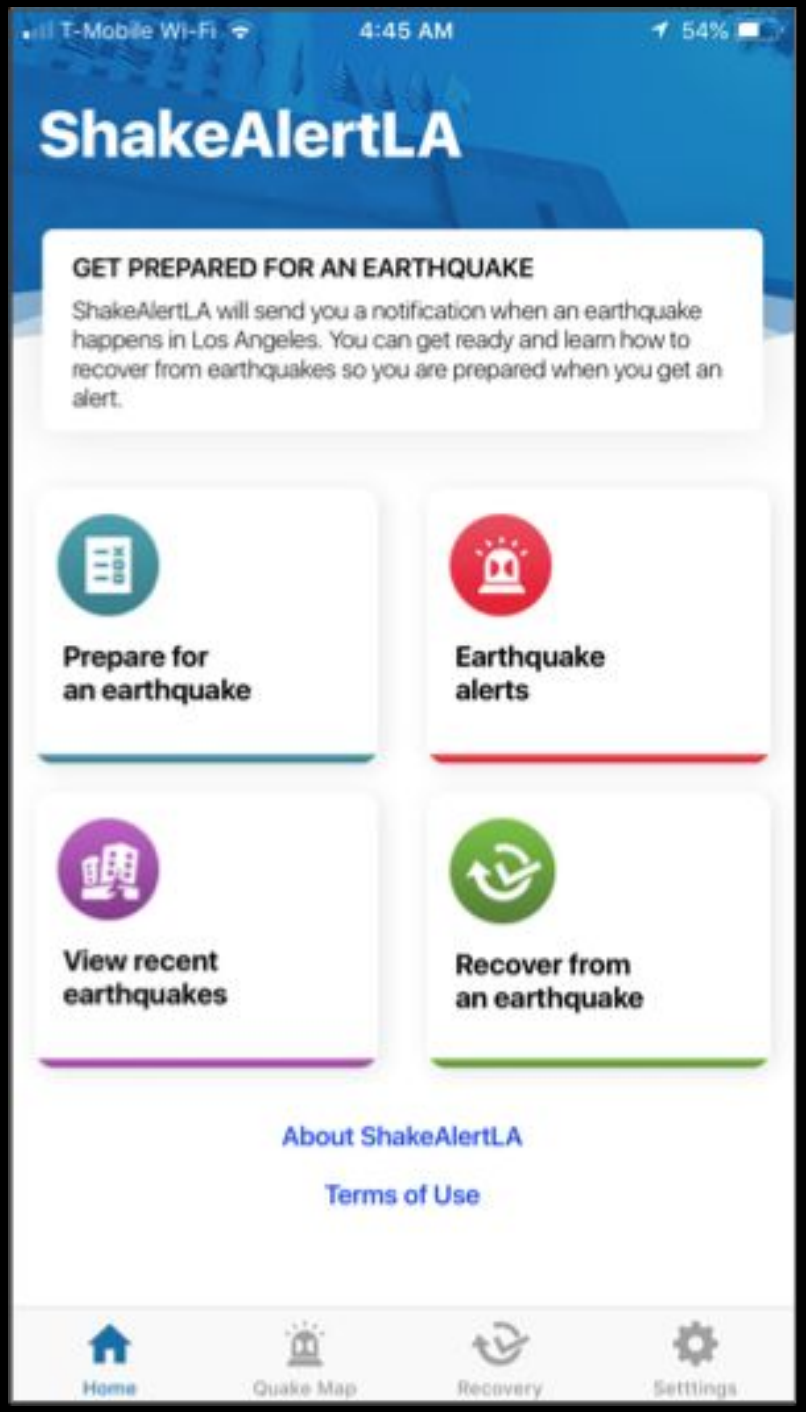


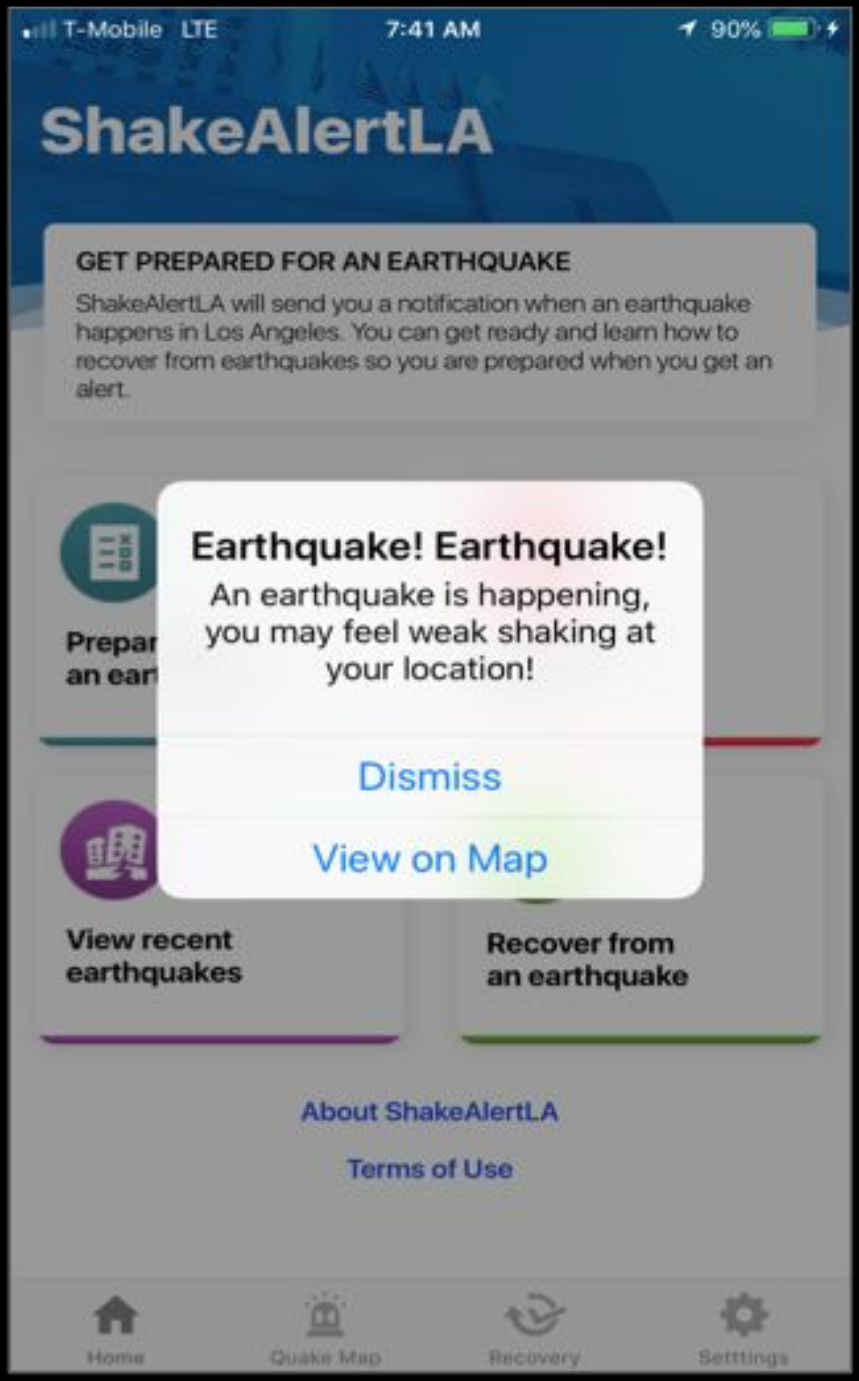
Source: U.S. Environmental Protection Agency, "Emissions & Generation Resource Integrated Database" (2010), (accessed on February 25, 2014).
http://www.epa.gov/cleanenergy/energy-resources/egrid/.

Jeanne Holm
@JeanneHolm

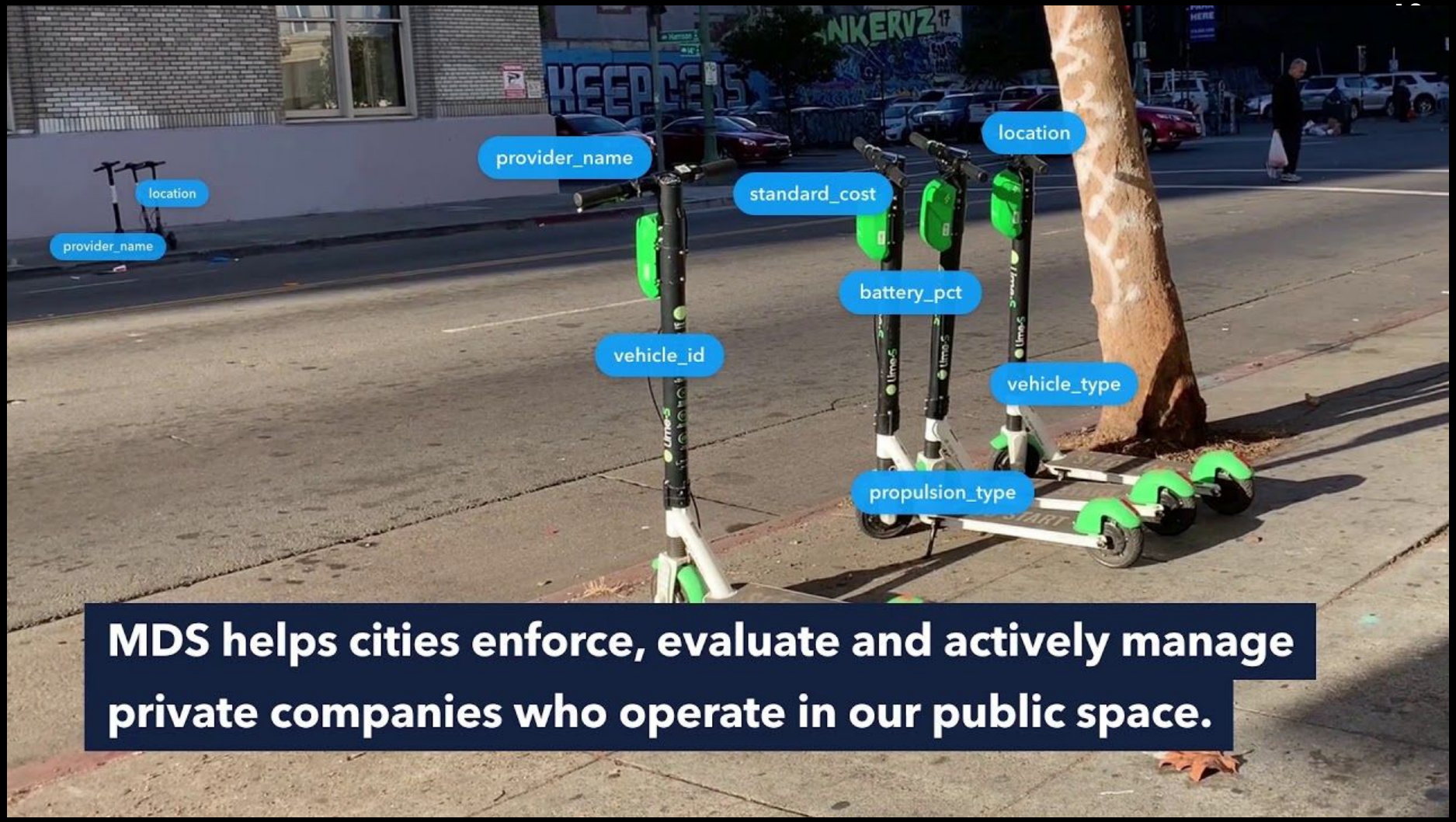
Are you a #city wanting to improve #AirQuality? Let's work together to integrate #NASA #satellite #opendata and #SmartCity #data to power better decisions #AIST #ESIP #PM2.5 #AQSisterCity #SDG




T-Mobile Wi-Fi
4:45 AM
54%
ShakeAlertLA
GET PREPARED FOR AN EARTHQUAKE
ShakeAlertLA will send you a notification when an earthquake happens in Los Angeles. You can get ready and learn how to recover from earthquakes so you are prepared when you get an alert.
Prepare for an earthquake
Earthquake alerts
View recent earthquakes
Recover from an earthquake
About ShakeAlertLA
Terms of Use
Home
Quake Map
Recovery
Settings


T-Mobile LTE
7:41 AM
90%
ShakeAlertLA
GET PREPARED FOR AN EARTHQUAKE
ShakeAlertLA will send you a notification when an earthquake happens in Los Angeles. You can get ready and learn how to recover from earthquakes so you are prepared when you get an alert.
Earthquake! Earthquake!
An earthquake is happening, you may feel weak shaking at your location!
Dismiss
View on Map
View recent earthquakes
Recover from an earthquake
About ShakeAlertLA
Terms of Use
Home
Quake Map
Recovery
Settings

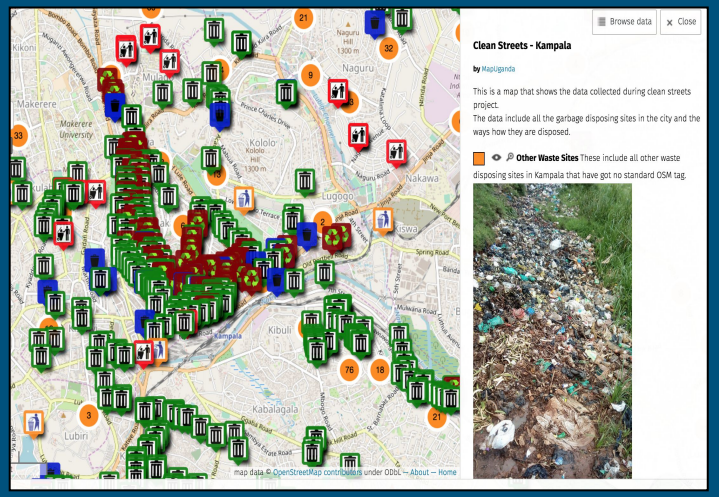
HARMAN
Speed : 59 km/h
Time to Destination : 1h 49min
Distance to Destination : 132 km
Temp at Destination : 4°C
TRW
18:46
Mittwoch, 5. Februar



github.com/CityOfLosAngeles/mobility-data-specification

Clean Streets Project

- Increase cleanliness by crowdsourcing garbage dump locations
- Cities: Kampala, Accra, Los Angeles, and Bo
- Create an online toolkit that any city can use
- Allow for creative local solutions



- OpenStreetMap
- ArcGIS API
- Android
- PHP
- Angular JS
- Kobotoolbox
- Opendatakit
- OpenMapKit

Community

- Citizen science (Federal Citizen Science Toolkit)
- Hack for LA (Code for America)
- Digital literacy programs at libraries and to City staff
- Data Angels

College

- Data Science Federation
- College Promise (2 free years of community college)
- OurCycleLA
- Tech Talent Pipeline (with Chamber of Commerce)

K-12

- CyberPatriots (3-12 cybersecurity training)
- OurCycleLA (computer and hotspot giveaway)
- Agents of Discovery (augmented reality game)
- Octavia Lab and Tech To Go

SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD

REPORTING STATUS ABOUT GUIDANCE FAQ A A

Indicator search

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.