



@abhinemani

---

# The Missing Connection for IOT



87%  
DON'T KNOW WHAT  
“INTERNET OF  
THINGS” MEANS

2017 Frontier Survey\*



A woman with dark hair and a necklace is speaking on a television screen. She is wearing a dark top and has a small green logo on her left shoulder. The background is a blurred studio set.

A GIFT TO LAW  
ENFORCEMENT

“smart city” in the news



 WAZE AND POLICE

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BEIJING

06:29

SYRIAN OPPOSITION FIGURES AND ASSAD OFFICIALS MEET IN MOSCOW FOR TALKS

A photograph of a multi-lane highway during the day. The road is filled with various vehicles, including cars, trucks, and vans, all moving in the same direction. In the upper right corner, there is a large electronic message board. The top half of the board displays the text "JULY 16-17" in yellow capital letters. The bottom half displays the text "EXPECT BIG DELAY" in larger yellow capital letters. To the right of the highway, there is a sidewalk with a yellow diamond-shaped pedestrian sign. The sign has a black silhouette of a person walking and a straight-ahead arrow.

JULY 16-17

EXPECT BIG DELAY

# #traffic

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A photograph of a road closed sign on a mountain road. The sign is white with black text that reads "ROAD CLOSED". It is mounted on a metal post next to a concrete barrier. In the foreground, several orange and white striped traffic cones are lined up along the yellow dashed line of the road. The background shows a steep, rocky mountain wall with some sparse vegetation. A small, vertical sign with three yellow circles is also visible on the right side of the road.

# #problems



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# Waze

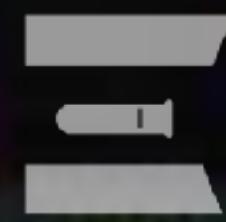


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A GIFT TO LAW  
ENFORCEMENT

“a gift for law enforcement”



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WAZE AND POLICE

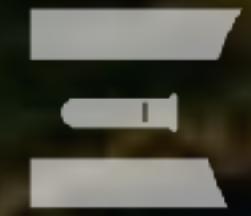
BEIJING

06:29

SYRIAN OPPOSITION FIGURES AND ASSAD OFFICIALS MEET IN MOSCOW FOR TALKS



If a tree falls in the forest...



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# politics 101



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**How do we make  
“smart cities” matter?**



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## Step I

---

**Make better decisions.**

Most common question?

---

**What is data?**



# data to a few



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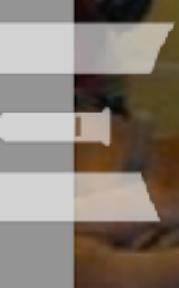
THURSDAY DEC. 3, 2015

MOST POPULAR LOCAL ENTERTAINMENT SPORTS SAN BERNARDINO CLIMATE CHANGE OPINION PLACE AN AD

74°

# LAPD watchdog to launch broad inquiry into misclassified crime stats

data as (bad) news



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# WEEKLY TIME SHEET

DATE \_\_\_\_\_

NAME \_\_\_\_\_ POSITION \_\_\_\_\_

The following is a true statement of hours worked for \_\_\_\_\_  
(COMPANY)

during the week beginning \_\_\_\_\_, ending \_\_\_\_\_

REORDER FORM # PAP-407

## HOURS WORKED AS SHOWN

	MORNING		AFTERNOON		OVERTIME		TOTAL	
	START	STOP	START	STOP	START	STOP	REG. HOURS	O.T. HOURS
MONDAY								
TUESDAY								
WEDNESDAY								
THURSDAY								
FRIDAY								
SATURDAY								
SUNDAY								
MAKE UP								
TOTAL FOR WEEK								

SIGNED BY:

APPROVED BY:

**NOTE:** This report must be completed daily, and at the end of the week signed and transmitted to your Department Manager.

SPECIFY STOCK # PAP-407

# COMPStat



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# LIVABLE CITY



DWP CALL CENTER AVERAGE WAIT TIME = 10 MINUTES (TARGET IS 3 MINUTES)



GALLONS OF WATER PER CAPITA USED DAILY = 136 GALLONS (TARGET IS 117)



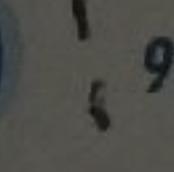
LIBRARY WEB TRAFFIC = 1,954,808 VISITORS IN AUGUST (2% DECREASE FROM JULY)



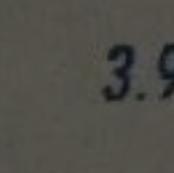
NUMBER OF GREAT STREETS CULTURAL / ART EVENTS = 3 IN THE MONTH OF OCT.



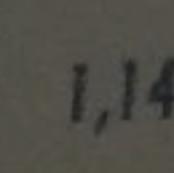
NUMBER OF COLLISIONS = 36,874 YTD (3.1% INCREASE FROM 2012)



932 LANE MILES PAVED FYTD = 38% OF FY GOAL



3.9 SIDEWALK MILES REPAIRED FY13-14 (NO SIDEWALK CONSTRUCTION THIS FY)



1,140 LED LIGHT REPLACEMENTS FYTD = 15% OF 7,500 LED LIGHT TARGET



\$3 BILLION = MONEY RAISED FOR MTA PROJECTS



76.40% DIVERSION RATE FY 13-14 (NO CHANGE FOR LAST THREE FY'S)



87.7 MILES OF MTA RAIL NETWORK

3,700 MILES OF MTA BUS NETWORK (BOTH METRO & METRO CONTRACTED LINES)



5.5% DECREASE IN WEEKDAY TRANSIT BOARDINGS (TARGET IS 2% INCREASE PER YEAR)

# “dashboard”

# LAMAYOR.ORG/DASHBOARD



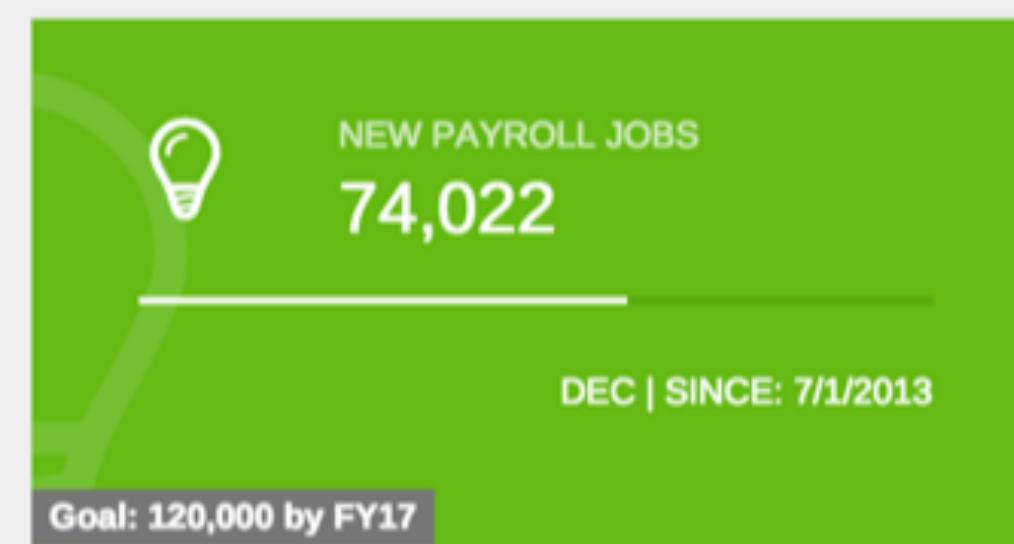
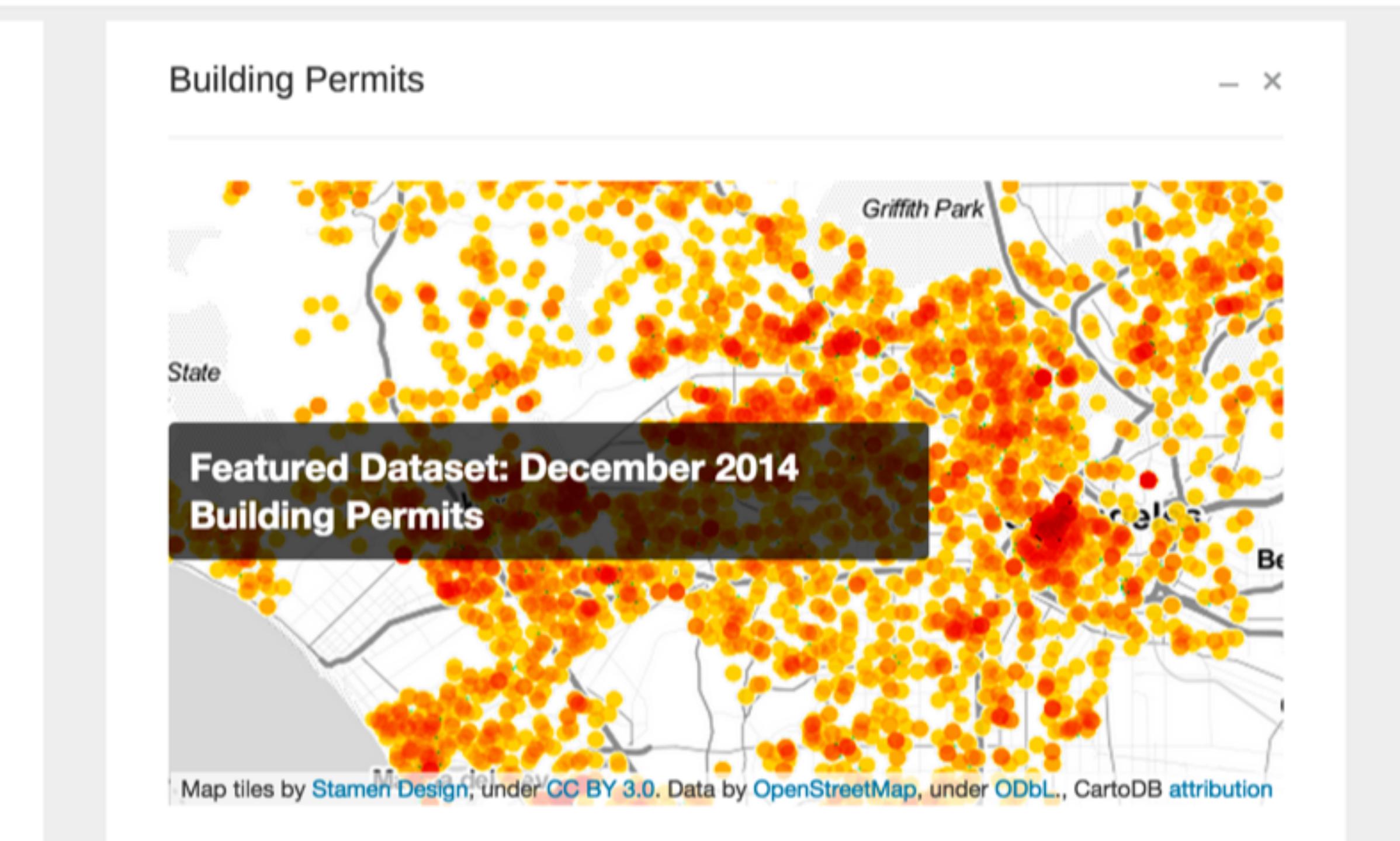
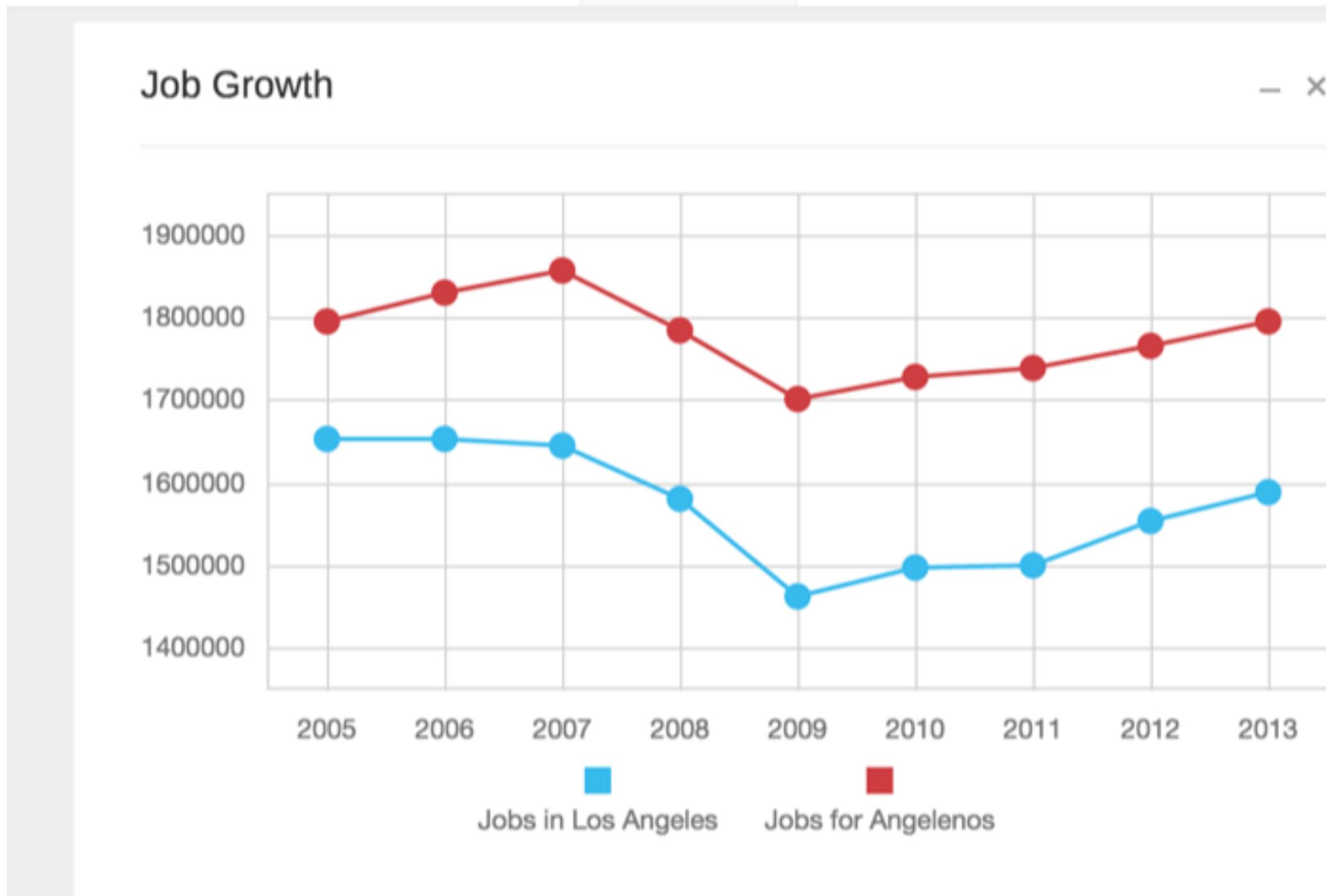
Top Sheet

MOED

HSPS

MOBI

MOCS



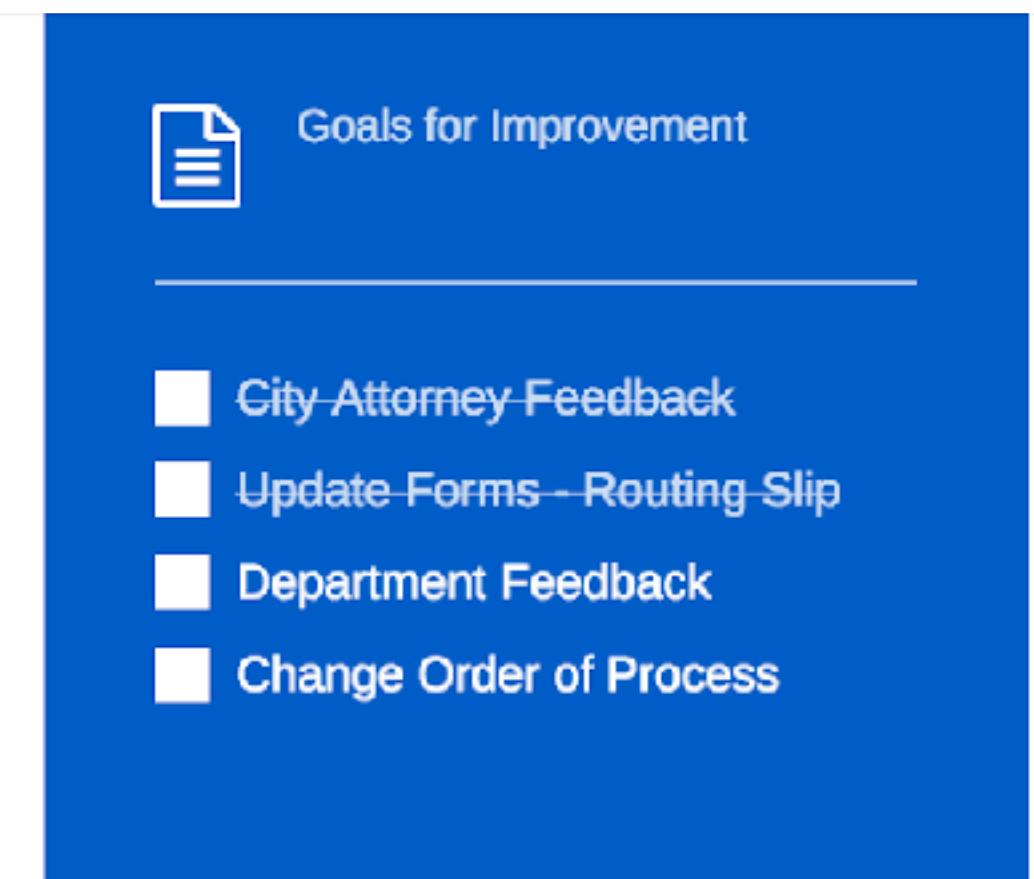
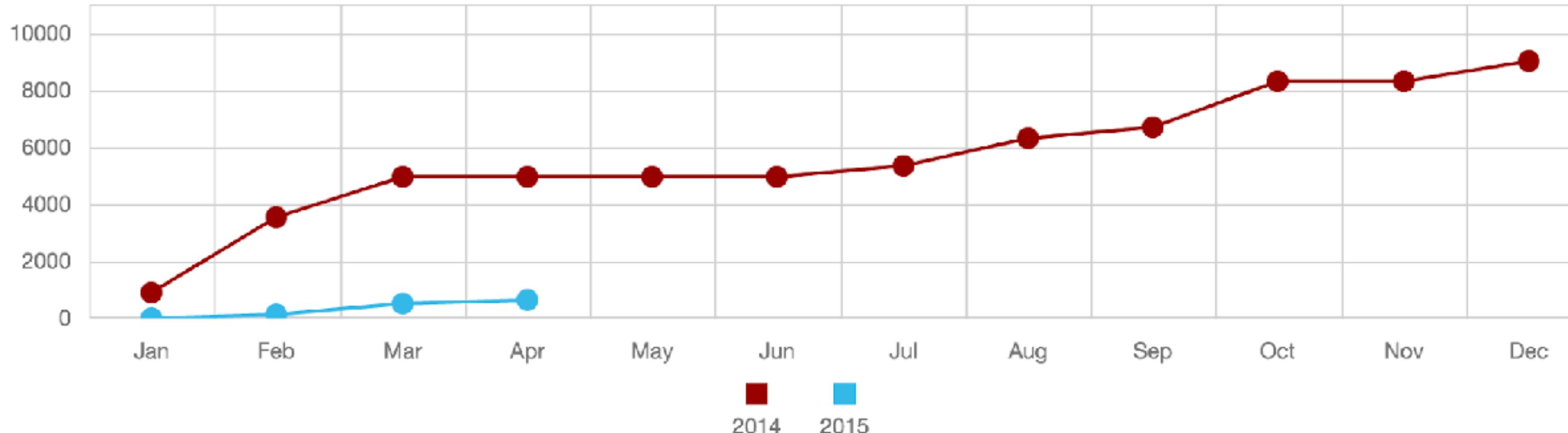
# 1. data got attention



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## “PERFORMANCE STAT”

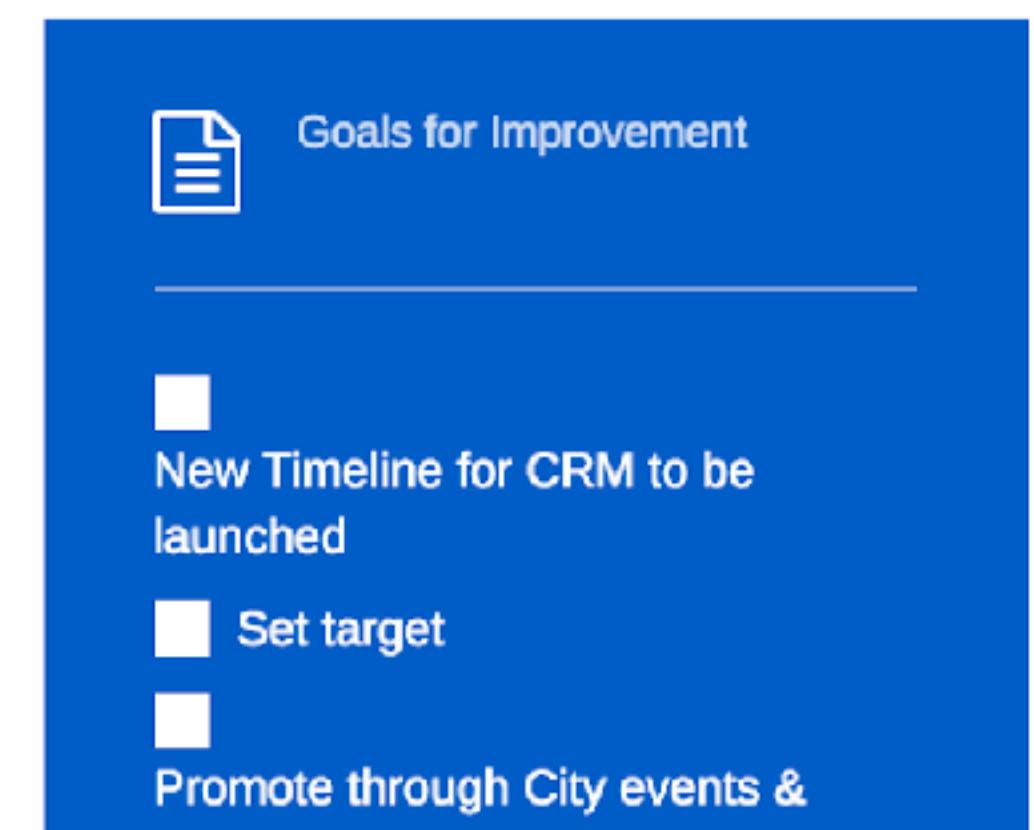
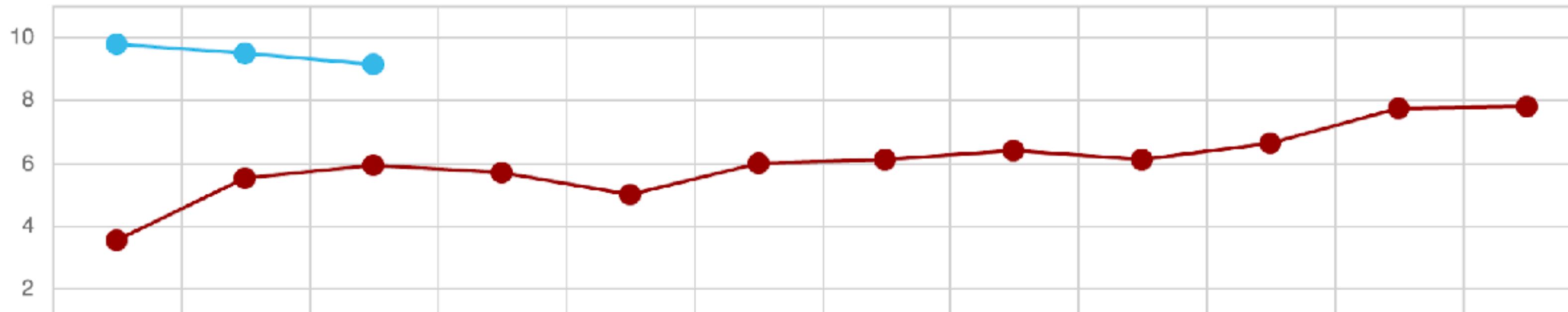
Cumulative # of Records Boxes Destroyed



Deep Dive: ITA

- x

% of Total 311 Requests Using MyLA311



# LOW-FI DATA

## Input for Mayors Dashboard: MOED

abhi.nemani@

File Edit View Insert Format Data Tools Add-ons Help Last edit was made 2 days ago by Ashley Atkinson

Comments



	A	B	C	D	E	F	G	H	I	J
1	Metric	Value	Percentage	date	frequency	change	goal	color	icon	maplink
2	New Payroll Jobs	85,491	71.2425	May	Since	7/1/2013	120,000 by FY17	green	linecons-lightbulb	
3	Jobs in Los Angeles	1,633,537	85	May	Y.O.Y.	2.40%	1,653,776	green	linecons-user	
4	Jobs for Angelenos	1,891,313	100	May	Y.O.Y.	2.50%	1,865,901	green	linecons-user	
5	Employment Growth Y.O.Y. Compared to CA	-0.30%		May	Y.O.Y.	N/A	Growth above CA	red	linecons-t-shirt	
6	Dollars Leveraged for Manufacturing Sector	\$57.8M		June	M.O.M.	N/A	\$45M	green	linecons-shop	
7	Film Production Days (FYTD)	52,773	96	May	Y.O.Y.	N/A	55,000 by FY15	green	linecons-videocam	
8	Federal Funding Raised with Promise Zone designation	\$36.4M	7.3	Q3FY15	Q.O.Q.	N/A	\$500M by CY24	green	linecons-location	
9	Homeless Veterans Housed	3,960	56%	May	M.O.M.	N/A	7,030 by CY15	grey	fa-home	
10	Unemployment Rate	7.80%		May	Y.O.Y.	-0.60%	4.8% (lowest rate	grey	linecons-camera	
11	TEU Cargo Containers through POLA (CYTD)	3,181,718		May	Y.O.Y.	-5.03%	8,340,065 (CY14)	grey	linecons-truck	
12	Passengers through LAX (CYTD)	28,950,613		May	Y.O.Y.	4.09%	TBD	grey	fa-paper-plane	
13	Veteran Job Placements	4,243	42%	Q3FY15	Q.O.Q.	N/A	10,000 by FY17	green	linecons-money	
14	Business Registrations	59,317		CY14	Y.O.Y.	2.63%	TBD	green	linecons-shop	
15	Mean Hourly Wage (LA Metro)	\$25.48		May '14	Y.O.Y.	M.O.M.	TBD	grey	linecons-money	
16	LA County Median Household Income	\$55,909		CY13	Y.O.Y.	2.90%	TBD	grey	linecons-money	
17	POLA Market Share (US)	18.60%		CY14	Y.O.Y.	N/A	TBD	grey	fa-tint	
18	POLA Market Share (West Coast)	39.80%		CY14	Y.O.Y.	N/A	TBD	grey	fa-tint	
19	POLA Market Share comp. to POLB	3.00%		CY14	Y.O.Y.	N/A	TBD	grey	fa-tint	
20	Visitors to Los Angeles	44.2M	88.4	CY14	Y.O.Y.	2.80%	50M by 2020	green	fa-group	
21	Housing Permits Issued	25,929	25.9%	June	M.O.M.	9.17%	100,000 by FY21	green	linecons-cloud	<a href="https://dat">https://dat</a>

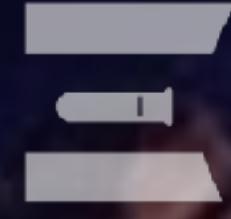
**the dashboard became  
the communication  
vehicle to the mayor**



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## 2. data made policy real

DWP Call Wait...



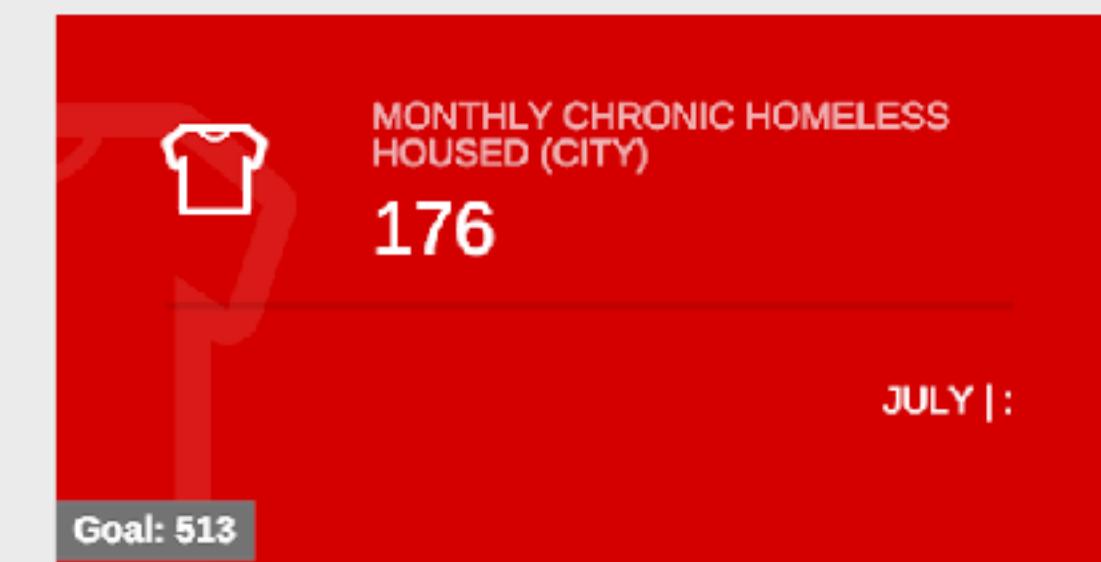
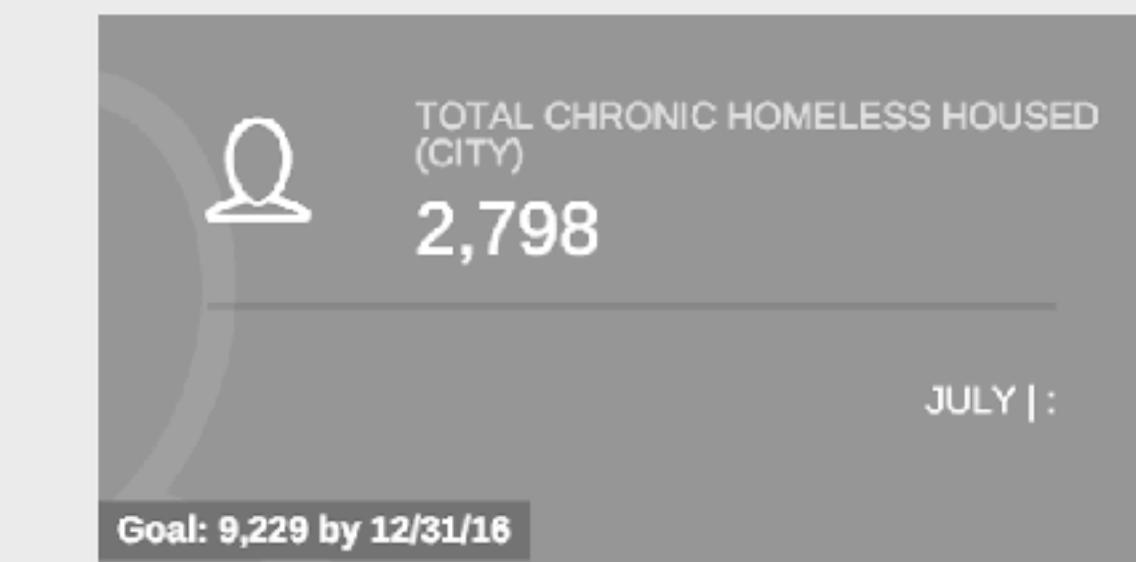
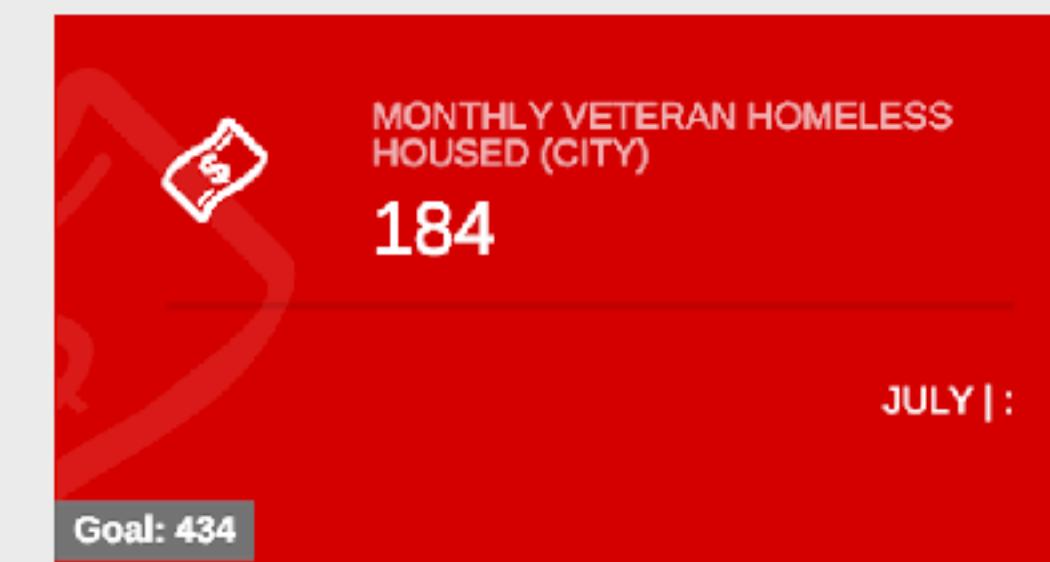
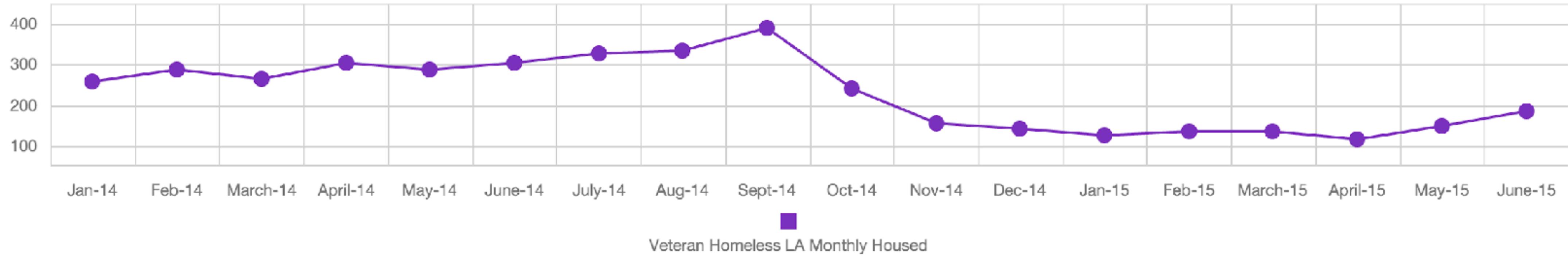
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PRESENTS

# UNCOVERING HOLES IN THE DATA

## Homelessness

Veteran Homeless LA Monthly Housed



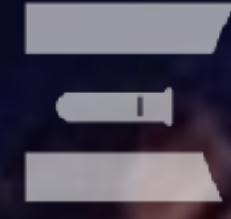
**the dashboard clarified  
goals & priorities**



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# 3. data became contagious

DWP Call Wait...



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PRESENTED BY

A photograph of a multi-lane highway during the day. The road is filled with various vehicles, including cars, trucks, and vans, all moving in the same direction. In the upper right corner, there is a large electronic message board. The top half of the board displays the text "JULY 16-17" in yellow capital letters. The bottom half displays the text "EXPECT BIG DELAY" in larger yellow capital letters. To the right of the highway, there is a sidewalk with a yellow diamond-shaped pedestrian sign. The sign has a black silhouette of a person walking and a straight-ahead arrow.

JULY 16-17

EXPECT BIG DELAY

# #traffic

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LA Metro Bus R

# GEOHUB.LACITY.ORG data as collaboration

THE GEOHUB IS THE CITY'S NEW PUBLIC PLATFORM FOR EXPLORING,  
VISUALIZING, AND DOWNLOADING LOCATION-BASED OPEN DATA.



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# STREETWISE IN THE NEWS

**CURBED**  
LOS ANGELES

CITIES ▾ TOPICS ▾ NEIGHBORHOODS

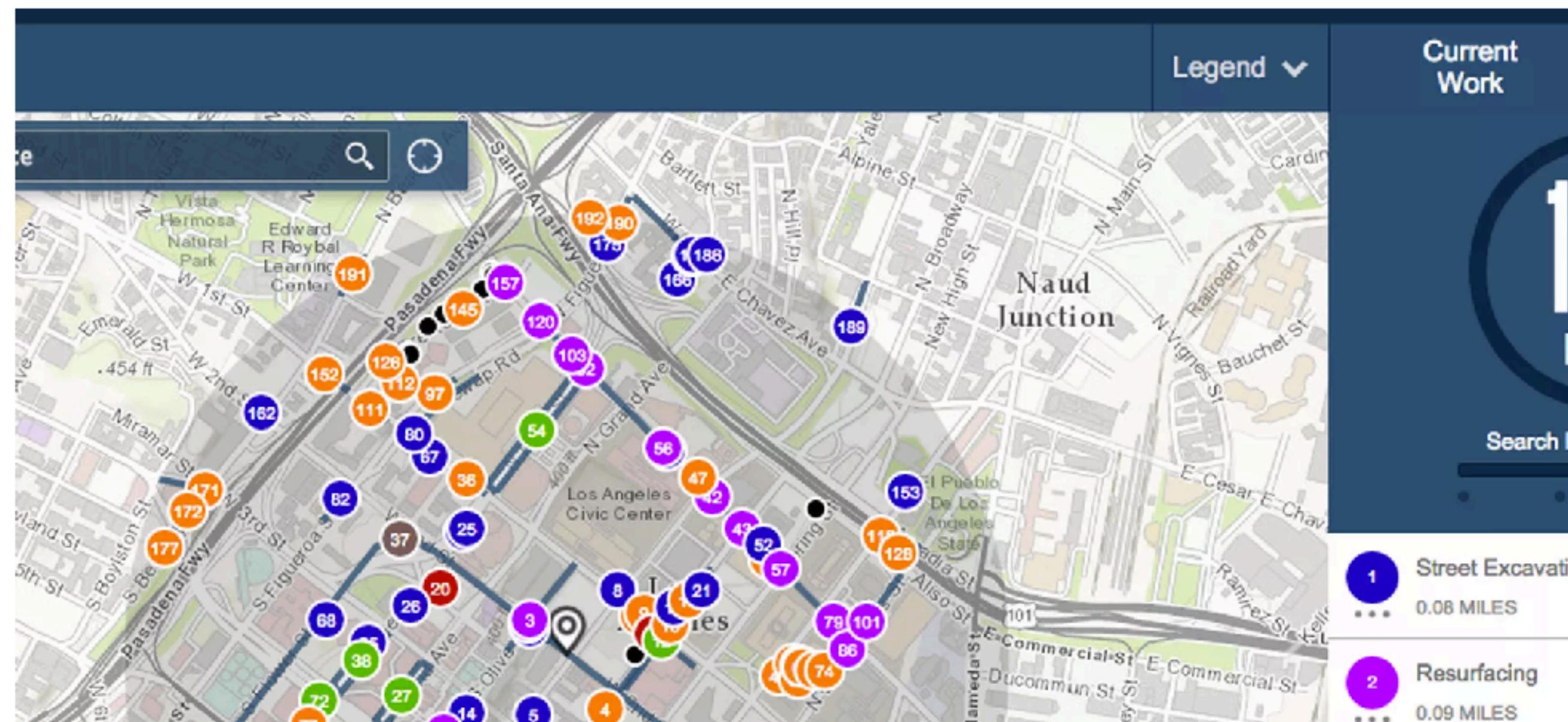
[TWITTER](#) [FACEBOOK](#) [YOUTUBE](#) [INSTAGRAM](#) [RSS](#) [LOG IN](#) [SEARCH](#)

LOS ANGELES MAPS

# New Map Has the Details on All Los Angeles Street Construction

By **Jeff Wattenhofer** | Feb 18, 2016, 11:06am PST

f [Twitter](#) [SHARE](#)



## Most Read

Here's where the 101 Freeway cap park could transform Downtown LA

Sleek midcentury home in Studio City offers incredible views for \$1.5M

Richard Nixon's 'Western White House' now asking \$63.5M

Rustic 1911 Craftsman on a roomy, tree-filled lot in the Hollywood Hills can be yours for \$3M

*There's no Republican or  
Democratic way to pick up  
the trash.*



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St. Paul Mayor

**74%**  
**REPUBLICANS AND DEMOCRATS BELIEVE**  
**OPEN & TRANSPARENT GOV IS IMPORTANT**

**2018 Pew Study\***

**70%**  
**DISAGREE WITH STATEMENT:**  
**GOVERNMENT IS OPEN & TRANSPARENT**  
**2018 Pew Study\***

## Step II

---

**Ask for help.**

# open data



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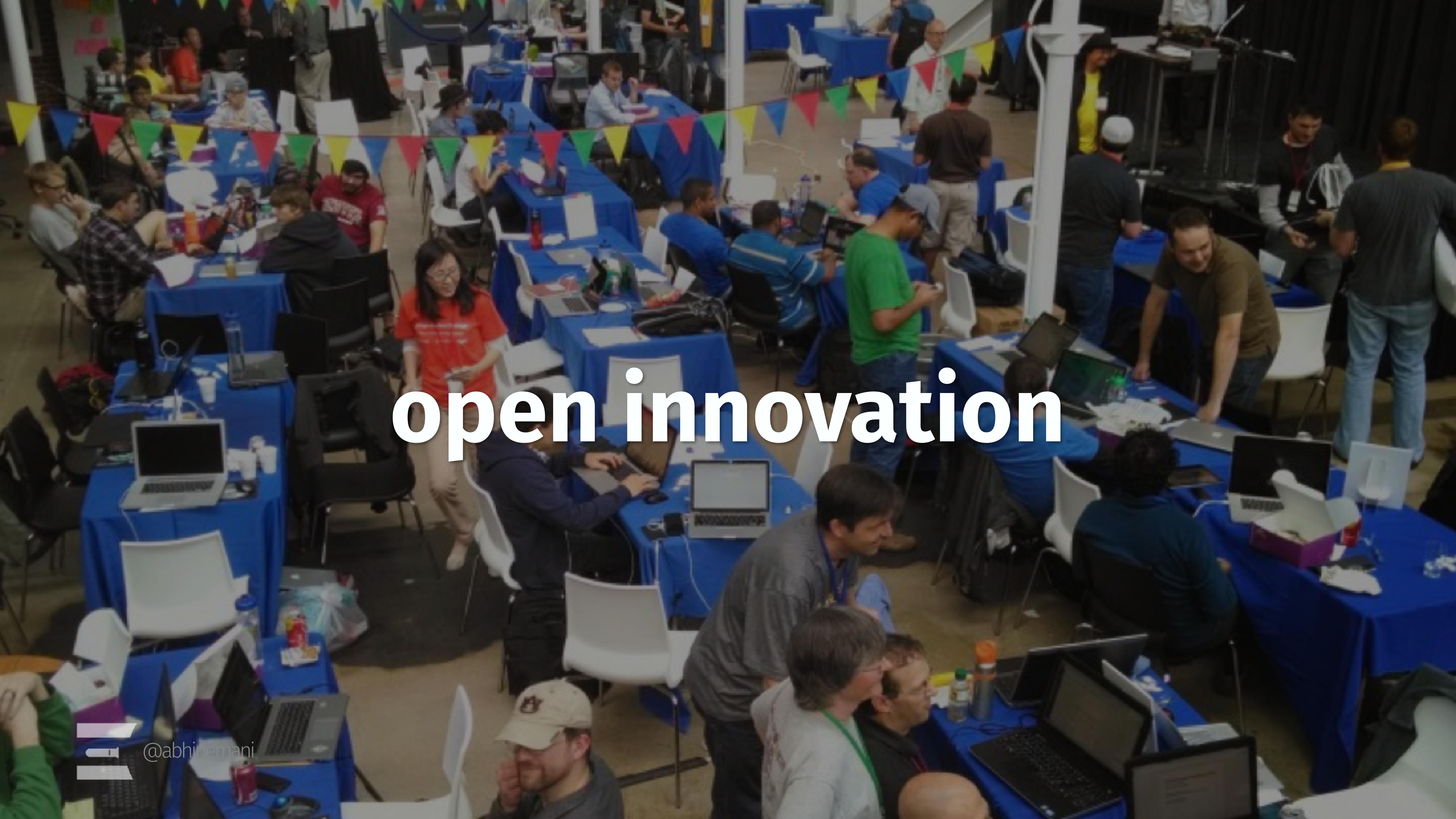


A large, diverse crowd of people is gathered in what appears to be a lecture hall or conference room. Many individuals are looking towards the front of the room, suggesting they are attending a presentation or a speaker. The atmosphere is focused and professional. In the foreground, a man wearing a grey shirt and a black jacket is looking directly at the camera. A young man with glasses and a dark jacket is also visible in the lower-left foreground, looking down at something on a table. Several potted plants with pink flowers are placed around the room, adding a touch of color to the otherwise neutral-toned setting.

hackathons are just the start

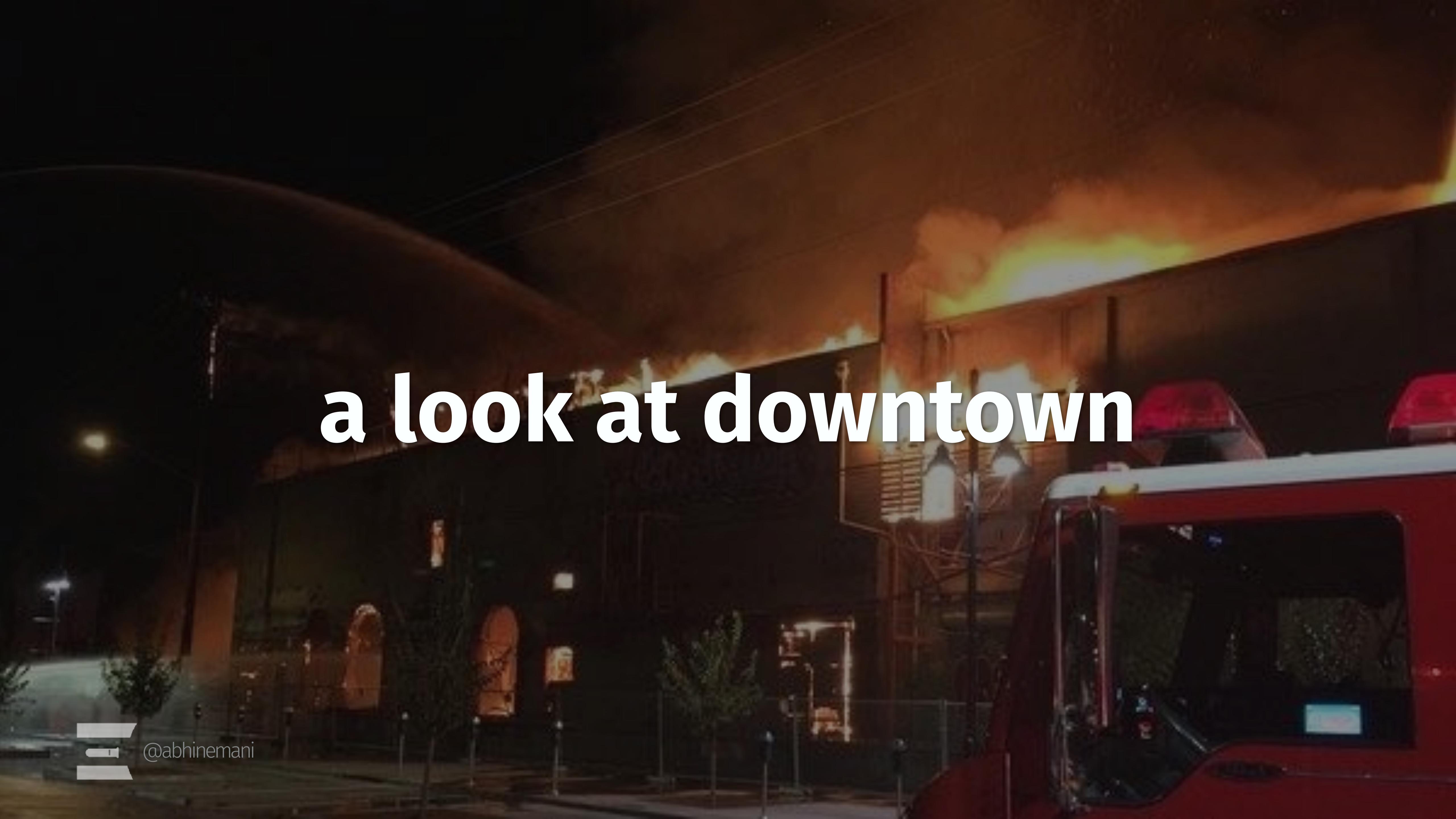


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# open innovation

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A night photograph of a city street. In the foreground, the side of a red fire truck is visible, showing its ladder and some equipment. Further down the street, a multi-story brick building is engulfed in large flames, with thick smoke billowing out from multiple windows and the roof. The sky above the fire is filled with orange and yellow hues from the flames. The surrounding area is dark, with streetlights and other buildings visible in the background.

a look at downtown



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# innovation & entrepreneurship



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Today represents a  
culmination of efforts that  
will define the next era of  
a great American city.

Today represents a  
culmination of efforts that  
will define the next era of  
a great American city.

# build a tribe



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GovTech Startups

## SACRAMENTO APPROVES \$10 MILLION FOR LARGEST CITY INNOVATION FUND IN US

*The Sacramento City Council and Mayor Kevin Johnson will invest millions to grow the local tech ecosystem and support entrepreneurs.*

---

BY: [LILA RIMALOVSKI](#) JUN 30, 2016



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# RAILS



4 weeks. 150+ applications.

>\$20M in ideas for smarter sacramento.



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**LOCAL ATTENTION**

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# COMSTOCK'S

BUSINESS INSIGHT FOR THE CAPITAL REGION



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SEARCH



[ALL THE HITS](#) [HOW-TO](#) [MONEY](#) [STATE OF THE SECTOR](#) [OUT OF OFFICE](#) [FEATURED EVENTS](#) [CAP CARES](#)

# Can Sacramento Become a Capital of Entrepreneurship?

Startups and local government team up to turn the city into a high-tech hub



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A stylized illustration of a man in a blue suit and red tie riding a white and grey rocket ship with a red nose cone and a large circular window. He is holding a briefcase in one hand and a pencil in the other, pointing forward. The rocket is leaving a trail of red and white streaks. Below the rocket are white clouds against a dark blue background.

# Forging its own path

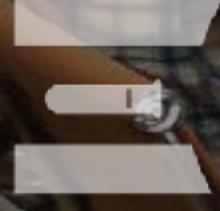


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*“As local-based civic tech grows, it’s the foot in the door to larger tech capabilities in Sacramento, and a larger tech community.”*



"You have the license to try the craziest  
of crazy ideas." - Mayor Steinberg



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## Step III

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**Go to where citizens are.**

COUNTY OF LOS ANGELES  
DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL HEALTH

GRADE

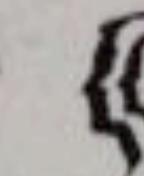
A

THIS KITCHEN RECEIVED A SCORE OF  
**90-100%**



Environmental Health Hotline: (888) 700-9995  
Report Foodborne Illness: (888) 397-3993

JONATHAN E. FIELDING, M.D., M.P.H.  
Director of Public Health and Health Officer

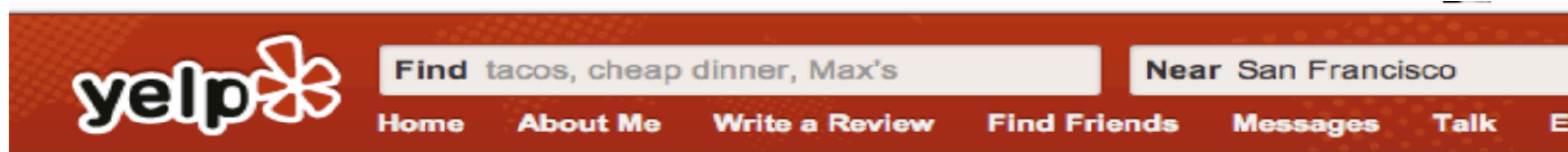


COUNTY OF LOS ANGELES  
DEPARTMENT OF HEALTH SERVICES  
**Public Health**  
ENVIRONMENTAL HEALTH



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# DATA INTEGRATION



The screenshot shows a Yelp search results page for "AQ Restaurant & Bar". The top navigation bar includes a search bar with "Find tacos, cheap dinner, Max's", a location filter "Near San Francisco", and links for Home, About Me, Write a Review, Find Friends, Messages, Talk, and Events.

## AQ Restaurant & Bar

 350 reviews 

Categories: American (New), Bars [Edit]

1085 Mission St  
(between 7th St & 6th St)  
San Francisco, CA 94103  
Neighborhood: SoMa

(415) 341-9000  
<http://aq-sf.com/>

### Menu

**Health Score:** 78 out of 100

### Hours:

Tue-Sat 5:30 pm - 11 pm  
Sun 11 am - 2 pm  
Sun 5:30 pm - 10 pm

**Delivery:** No

**Accepts Credit Cards:** Yes

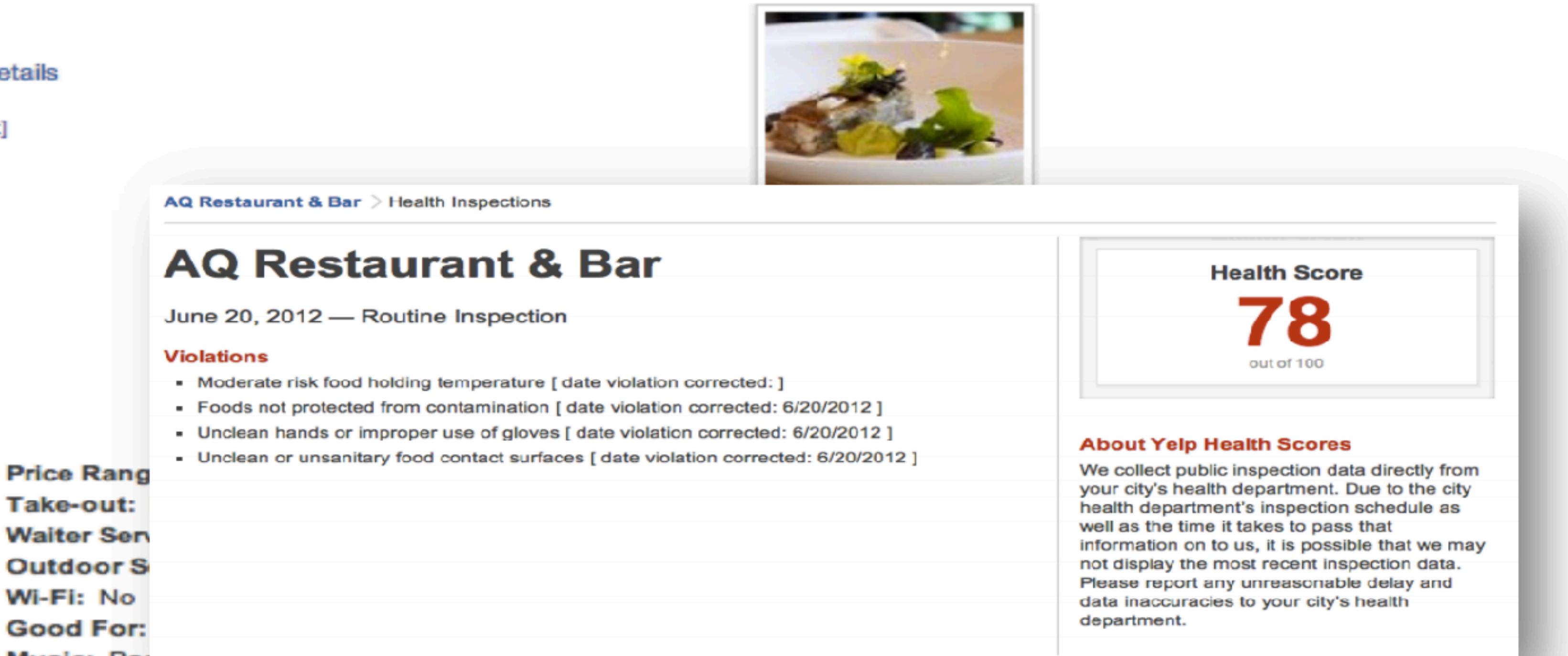
**Parking:** Street

**Attire:** Casual

**Good for Groups:** Yes

**Good for Kids:** No

**Takes Reservations:** Yes



The main content area displays the restaurant's name, address, and a thumbnail image of food. Below this, a section titled "AQ Restaurant & Bar > Health Inspections" shows a "Health Score" of 78 out of 100. The page also lists various amenities and service details.

**AQ Restaurant & Bar**

June 20, 2012 — Routine Inspection

**Violations**

- Moderate risk food holding temperature [ date violation corrected: ]
- Foods not protected from contamination [ date violation corrected: 6/20/2012 ]
- Unclean hands or improper use of gloves [ date violation corrected: 6/20/2012 ]
- Unclean or unsanitary food contact surfaces [ date violation corrected: 6/20/2012 ]

**Price Range**: \$

**Take-out**: Yes

**Waiter Service**: Yes

**Outdoor Seating**: Yes

**Wi-Fi**: No

**Good For**: Families with kids, Groups, Date night

**Music**: Background

**Best Nights**: Thu, Fri, Sat

**Happy Hour**: No

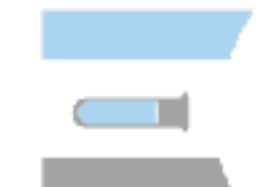
**Alcohol**: Full Bar

**Dates**: No

**Wheelchair Accessible**: Yes

**Health Score**: 78 out of 100

**About Yelp Health Scores**  
We collect public inspection data directly from your city's health department. Due to the city health department's inspection schedule as well as the time it takes to pass that information on to us, it is possible that we may not display the most recent inspection data. Please report any unreasonable delay and data inaccuracies to your city's health department.



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# Let's make all apps more civic.



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“The current reality of smart cities is that there aren’t any.”



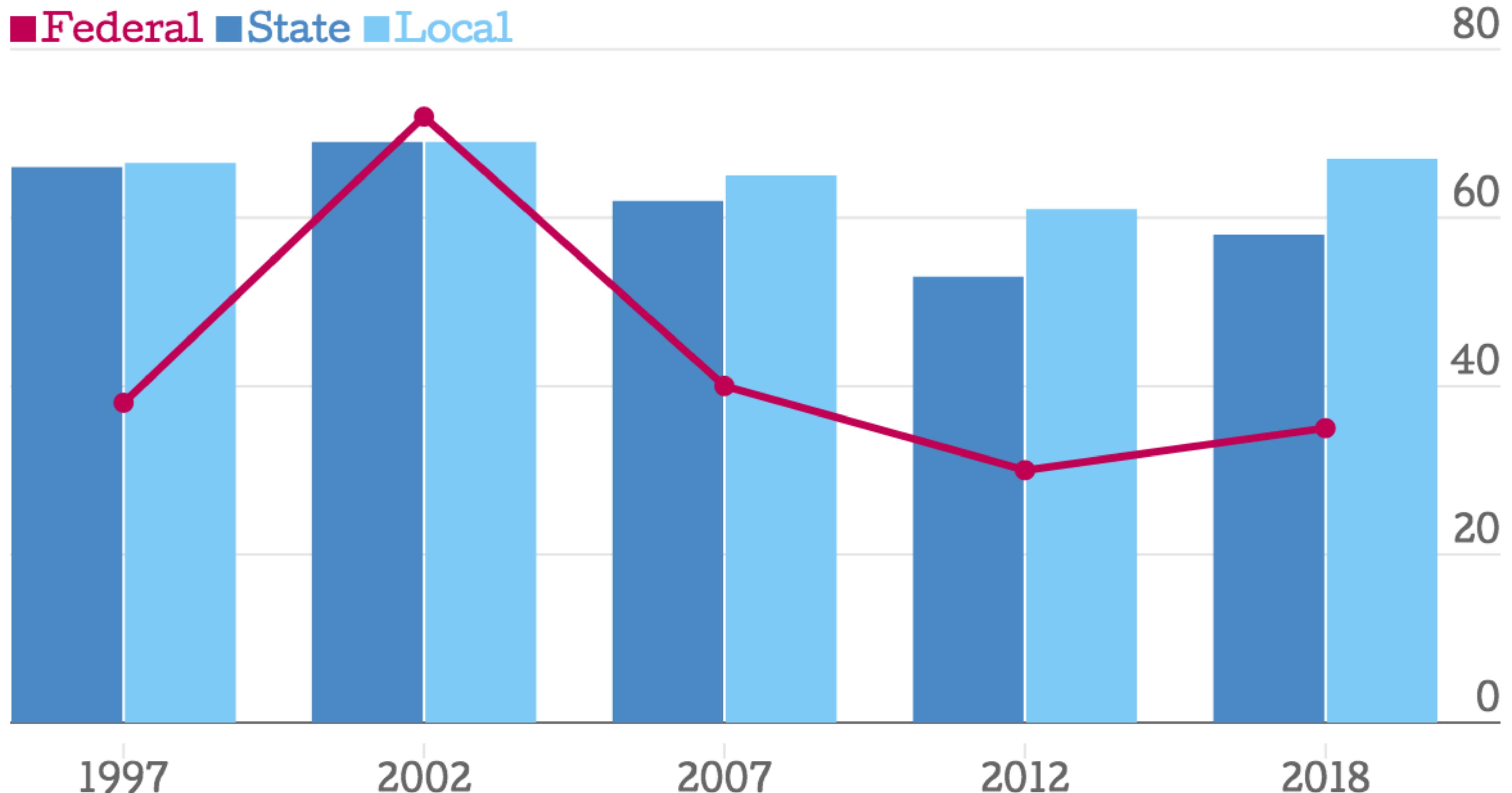
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**18%**  
**TRUST IN THE**  
**FEDERAL**  
**GOVERNMENT**  
**2017 Frontier Survey\***

# FAVORABLE OPINION IN STATE/LOCAL V. FEDERAL GOVERNMENT



■ Federal ■ State ■ Local



**people, not data.**



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