

# Cycling in Los Angeles



Photos: David Bailey, Neon Tommy, InSapphoWeTrust, David Bailey

# Agenda

Introduction / Research Question

Background

Santa Monica Bicycle Action Plan

Expo Line Bike Path

CicLAvia

Santa Monica Breeze Bike Share

MyFigueroa

Conclusion - Bicycle Counts

# Introduction / Research Question

How to encourage cycle  
commuting among Angelenos?



Photos: Remi Jouan, Mark Hogan

# Background

## Populations, Areas, and Densities of Selected Regions of the United States and Germany

	Population	Area (km <sup>2</sup> )	Density (people/km <sup>2</sup> )
California	37,253,956	403,466	92
Los Angeles County	9,818,605	10,510	934
City of Los Angeles	3,792,662	1,214	3,124
City of Santa Monica	89,736	22	4,115
Bavaria	12,843,514	70,550	182
Munich	1,450,381	310	4,668

Sources: United States Census Bureau (April 1, 2010), Bavarian State Office for Statistics (December 31, 2015)

# Four Types of Cyclists

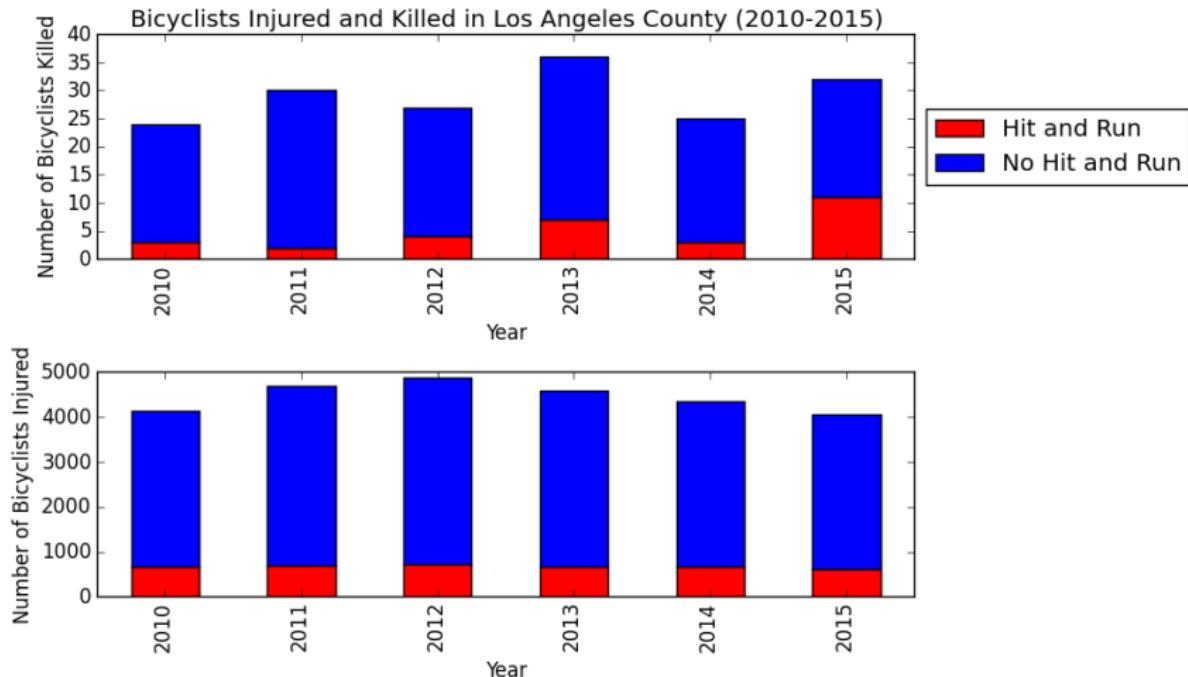
**Table 2: Distribution of Survey Respondents by Cyclist Type**

Type	Description	City of Portland	Rest of region	All	Geller's estimate for City
<b>Strong &amp; Fearless</b>	Very comfortable without bike lanes	6%	2%	4%	<1%
<b>Enthused &amp; Confident</b>	Very comfortable with bike lanes	9%	9%	9%	7%
<b>Interested but Concerned</b>	Not very comfortable, interested in biking more	60%	53%	56%	60%
	Not very comfortable, currently cycling for transportation but not interested in biking more				
<b>No Way No How</b>	Physically unable	25%	37%	31%	33%
	Very uncomfortable on paths				
	Not very comfortable, not interested, not currently cycling for transportation				
n (weighted)		436	479	915	

Note: Weighted data, may not total 100% due to rounding.

Source: Dill, J. and McNeil, N.

# Safety



Source: California Statewide Integrated Traffic Records System

# Los Angeles County Bike Map

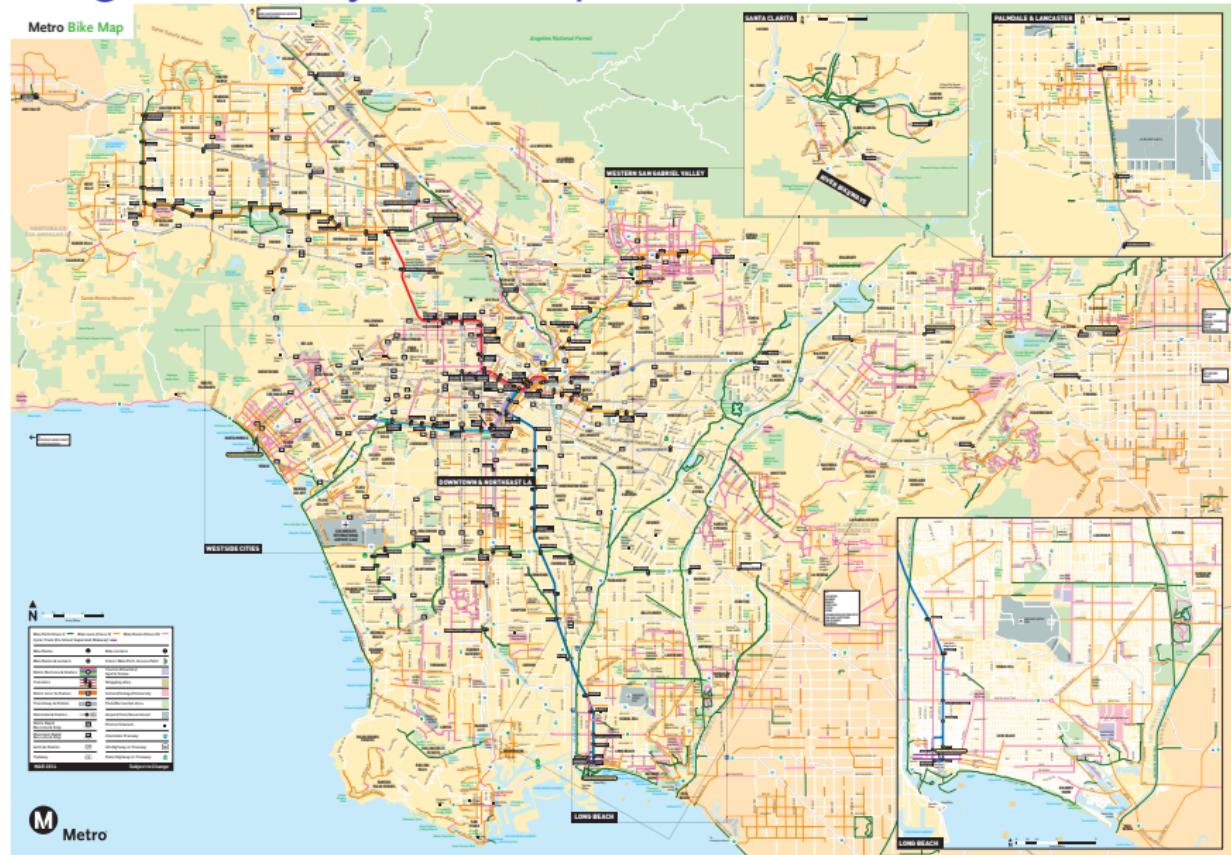


Image: Los Angeles County Metropolitan Transportation Authority



# Santa Monica Bicycle Action Plan

## APPENDIX

**Figure B-2 20-Year Vision Plan**



# Expo Line Bike Path (2016)



Photo: City of Santa Monica

# California Cycleway (1900)

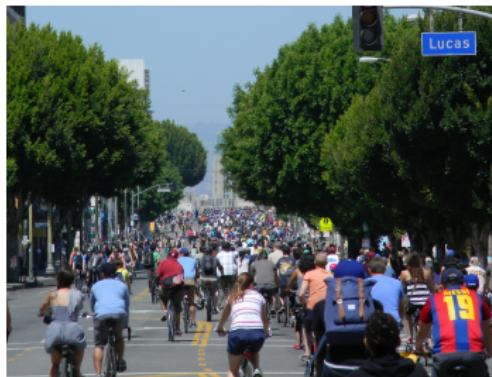


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Photo: Putnam

# CicLAvia

- ▶ Based on Ciclovía in Bogotá, Colombia
- ▶ 4 events/year
- ▶ Net Cost: \$339,700/event
- ▶ 37,700 - 53,950 participants at April 2014 CicLAvia
- ▶ Air quality improvement at the October 5th, 2014 CicLAvia and in the surrounding neighborhood



Sources: D. Cohen, S. Shu; Image: CicLAvia; Photo: Gaston Hinostroza

# Santa Monica Breeze Bike Share

- ▶ 500 smart bicycles
- ▶ 85 stations
- ▶ \$10 Million start-up costs
- ▶ Bike Share users in other cities drive less

Santa Monica residents	47%
Other Los Angeles County residents	24%
Others	29%



## ONE YEAR OF BREEZE

43,261 ACTIVE SUBSCRIBERS

274,504 TRIPS EQUALING 630,580 MILES BREEZED

556,057 POUNDS OF CARBON REDUCED

25,233,213 CALORIES BURNED

SAVING \$365,735



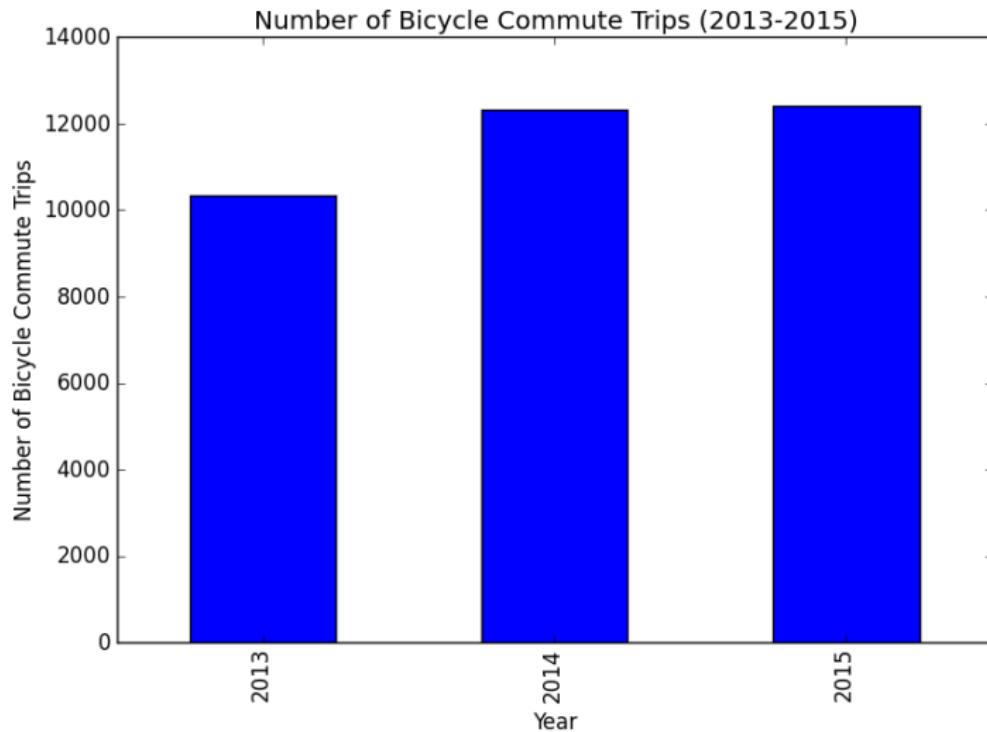
Sources: N. Cervantes, Martina, E. and Shaheenb, S.; Image: Breeze Bike Share

# MyFigueroa



Image: MyFigueroa

# Bicycle Counts - Santa Monica



Source: City of Santa Monica

# Bicycle Counts - Los Angeles County

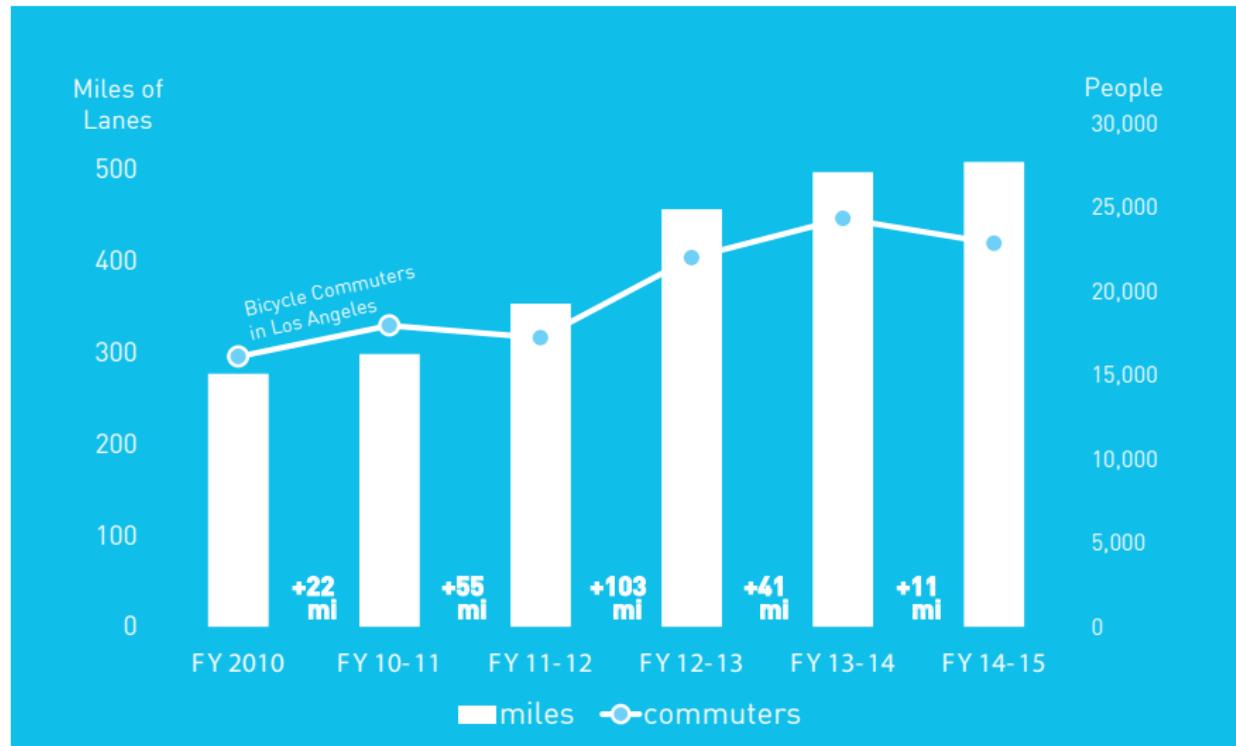


Image: Los Angeles County Bicycle Coalition

# The End



“The truth is, I don’t know that people really love driving in LA any more.”

– Seleta Reynolds, General Manager, City of Los Angeles  
Department of Transportation  
Source: N. V. Mead; Photo: JCS

## References |

-  Bavarian State Office for Statistics <https://www.statistikdaten.bayern.de/genesis/online/logon> [Accessed 17 November 2016].
-  California Statewide Integrated Traffic Records System <http://iswitrts.chp.ca.gov/Reports/jsp/userLogin.jsp> [Accessed 20 November 2016].
-  Cervantes, N., Santa Monica “Breeze” Bike Share Celebrates First Birthday, November 14, 2016, Santa Monica Lookout [http://www.santamonicalookout.com/ssm\\_site/the\\_lookout/news/News-2016/November-2016/11\\_14\\_2016\\_Santa\\_Monica\\_Breeze\\_Bike\\_Share\\_Celebrates\\_First\\_Birthday.html](http://www.santamonicalookout.com/ssm_site/the_lookout/news/News-2016/November-2016/11_14_2016_Santa_Monica_Breeze_Bike_Share_Celebrates_First_Birthday.html) [Accessed 21 November 2016].

## References II

-  City of Santa Monica  
[https://data.smgov.net/Transportation/  
City-of-Santa-Monica-Employees-Using-Alternate-Tra/  
y6bg-y9db/data](https://data.smgov.net/Transportation/City-of-Santa-Monica-Employees-Using-Alternate-Tra/y6bg-y9db/data) [Accessed 23 November 2016].
-  Cohen, D., CicLAvia: Evaluation of participation, physical activity and cost of an open streets event in Los Angeles  
[http://www.sciencedirect.com/science/article/pii/  
S0091743516301347](http://www.sciencedirect.com/science/article/pii/S0091743516301347) [Accessed 23 November 2016].
-  Dill, J. and McNeil, N., FOUR TYPES OF CYCLISTS? Testing a Typology to Better Understand Bicycling Behavior and Potential  
[http://web.pdx.edu/~jdill/Types\\_of\\_  
Cyclists\\_PSUWorkingPaper.pdf](http://web.pdx.edu/~jdill/Types_of_Cyclists_PSUWorkingPaper.pdf) [Accessed 26 November 2016].

## References III

-  Martina, E. and Shaheenb, S., Evaluating public transit modal shift dynamics in response to bikesharing: a tale of two U.S. cities <http://www.sciencedirect.com/science/article/pii/S0966692314001409> [Accessed 27 November 2016].
-  Mead, N. V., America's road trip: will the US ever kick the car habit?  
<https://www.theguardian.com/cities/2016/nov/02/america-road-trip-us-car-habit-detroit-houston-los-ang> [Accessed 26 November 2016].
-  Shu, S., Air quality impacts of a CicLAvia event in Downtown Los Angeles, CA <http://www.sciencedirect.com/science/article/pii/S0269749115300579> [Accessed 23 November 2016].

## References IV

-  United States Census Bureau  
<http://www.census.gov/quickfacts> [Accessed 17 November 2016].

# Photos and Images I

-  Breeze Bike Share [Email received 12 November 2016].
-  CicLAvia <http://www.ciclavia.org> [Accessed 21 November 2016].
-  Los Angeles County Bicycle Coalition  
[http://www.la-bike.org/labikepedcount2015\\_report](http://www.la-bike.org/labikepedcount2015_report)  
[Accessed 26 November 2016].
-  City of Santa Monica <https://twitter.com/santamonica/status/781175491910828032/>  
[Accessed 26 November 2016].
-  Gaston Hinostroza <https://www.flickr.com/photos/bdgstonepix/9141032218>  
[Accessed 26 November 2016].

## Photos and Images II

-  InSapphoWeTrust https://www.flickr.com/photos/skinnylawyer/8368059647 [Accessed 26 November 2016].
-  JCS https://commons.wikimedia.org/wiki/File:Santa\_Monica\_Beach\_with\_pier\_4.JPG [Accessed 14 October 2013].
-  Los Angeles County Metropolitan Transportation Authority http://media.metro.net/riding\_metro/bikes/images/bike\_map\_la.pdf [Accessed 17 November 2016].
-  Mark Hogan https://www.flickr.com/photos/markhogan/6139068675/ [Accessed 27 November 2016].
-  MyFigueroa http://myfigueroa.com/ [Accessed 26 November 2016].

## Photos and Images III

-  Neon Tommy  
<https://www.flickr.com/photos/neontommy/6228410589>  
[Accessed 26 November 2016].
-  Putnam; (Firm.) Southern Pacific Railroad Company - Dobbins Collection, Pasadena Museum of History, Public Domain, <https://commons.wikimedia.org/w/index.php?curid=3392448>  
[Accessed 26 November 2016].
-  Remi Jouan [https://en.wikipedia.org/wiki/File:Los\\_Angeles\\_-\\_Echangeur\\_autoroute\\_110\\_105.JPG](https://en.wikipedia.org/wiki/File:Los_Angeles_-_Echangeur_autoroute_110_105.JPG)  
[Accessed 26 November 2016].
-  Santa Monica Bike Action Plan <http://www.smgov.net/Departments/PCD/Plans/Bike-Action-Plan/> [Accessed 26 November 2016].