

# Women in Planning

## Why We Matter



Cities have the capability of providing something for everybody, only because, and only when, they are created by everybody.

-Jane Jacobs

# Who We Are



Monica  
Villalobos



Veronica  
Siranosian



Meghna  
Khanna



Georgia  
Sheridan

# What We Will Cover

## [1] Women in the City



## [2] Women at Work





# Clichés + Stereotypes

# man·spread·ing

/ˈmænˌspredɪŋɡ/

*noun informal*

the practice whereby a man, especially one traveling on public transportation, adopts a sitting position with his legs wide apart, in such a way as to encroach on an adjacent seat or seats.

"a campaign to discourage manspreading or using an adjacent seat as a footrest"







Actual Google search on 09/03/2015

women need to |

- women need to be put in their place
- women need to know their place
- women need to be controlled
- women need to be disciplined

women need to be seen as equal

**UN WOMEN**  
unwomen.org



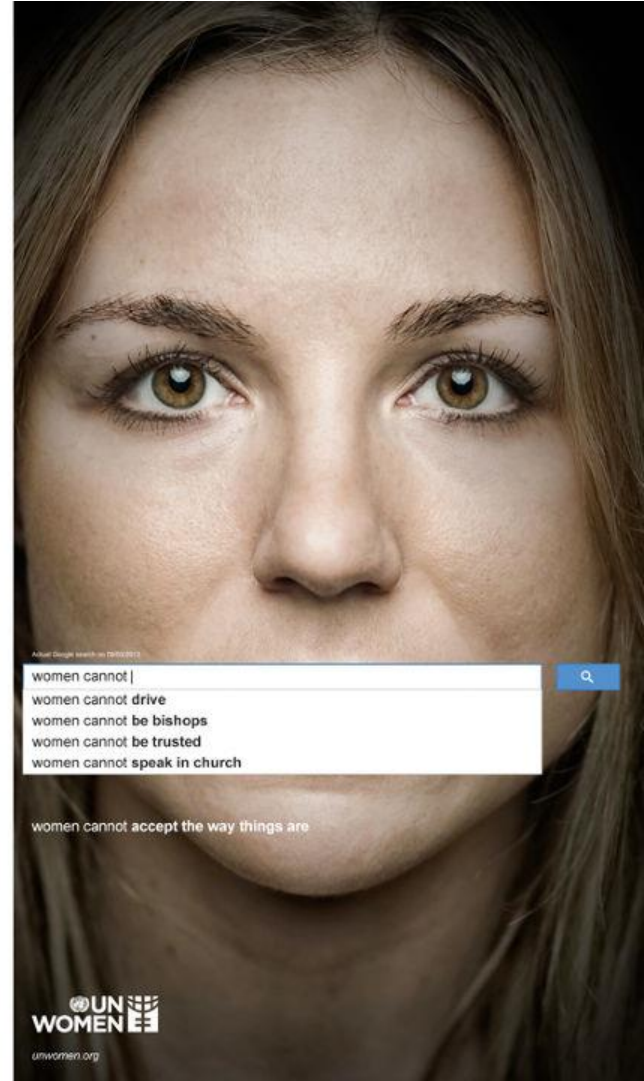
Actual Google search on 09/03/2015

women shouldn't |

- women shouldn't have rights
- women shouldn't vote
- women shouldn't work
- women shouldn't box

women shouldn't suffer from discrimination anymore

**UN WOMEN**  
unwomen.org



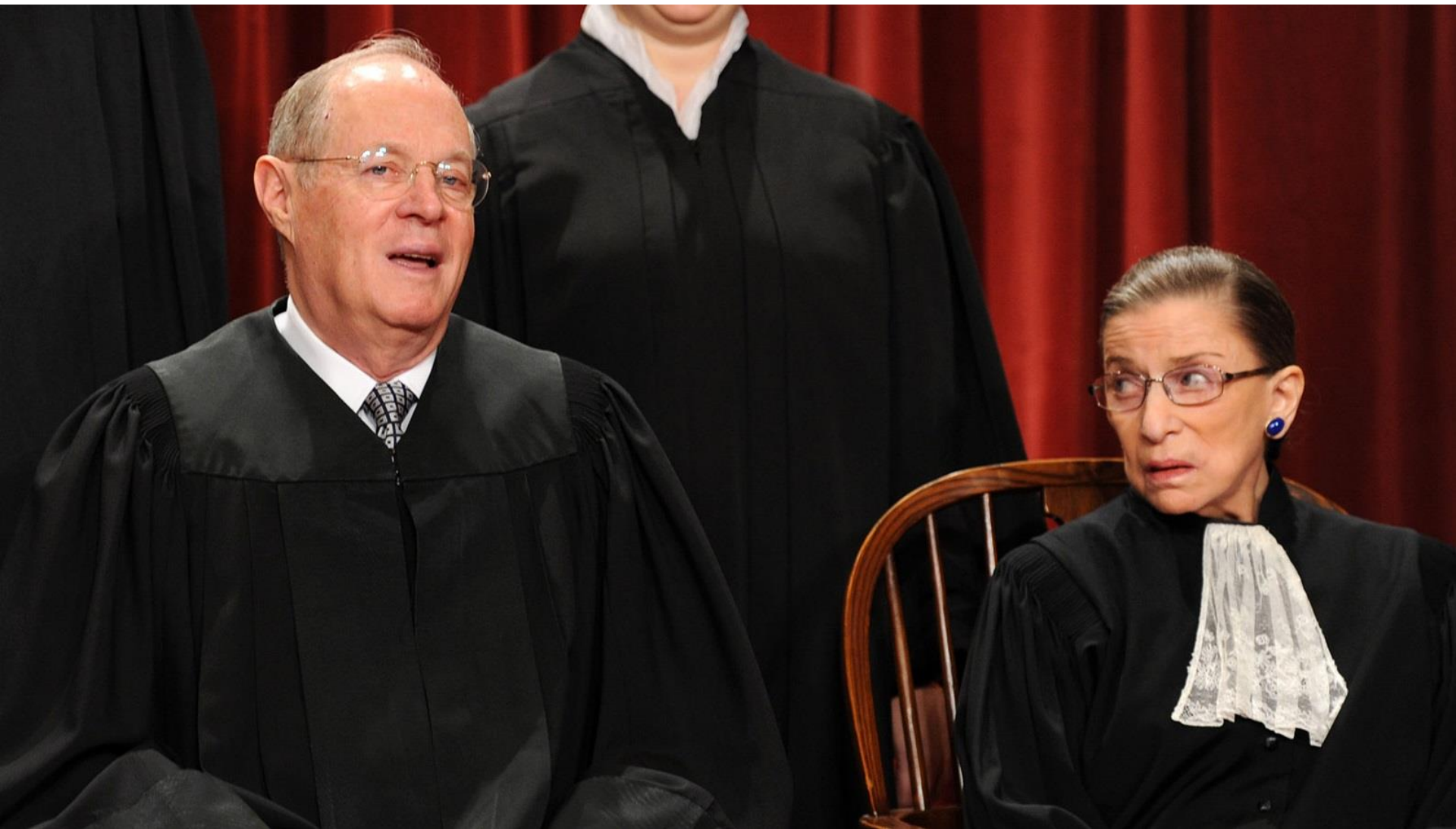
Actual Google search on 09/03/2015

women cannot |

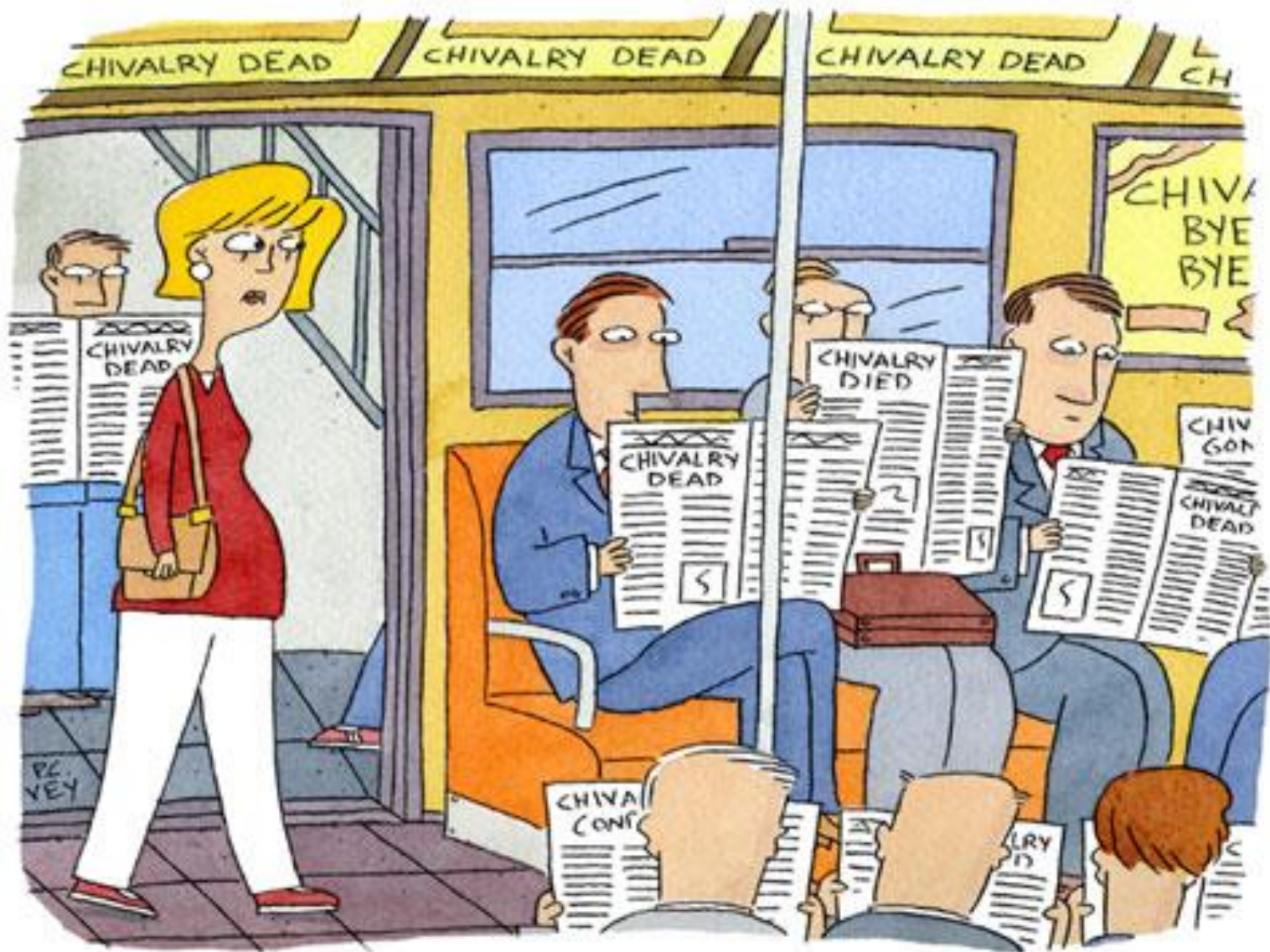
- women cannot drive
- women cannot be bishops
- women cannot be trusted
- women cannot speak in church

women cannot accept the way things are

**UN WOMEN**  
unwomen.org









**WOMEN'S WINTER  
IS COMING**



# Travel Patterns

# Women in the City

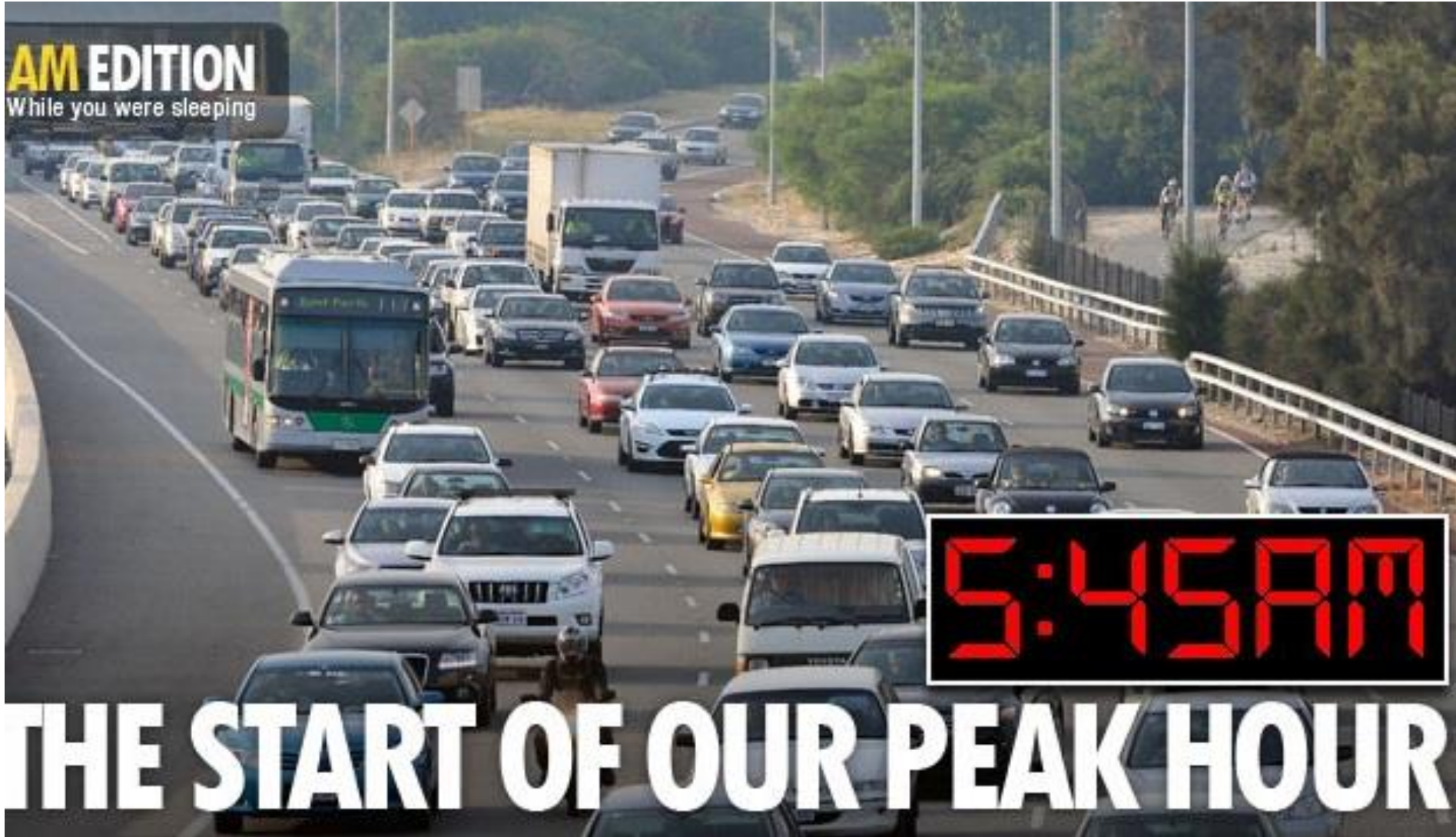
- Power of the purse (Control 80% of consumer spending)
- Primary caretakers (children, elderly)
- Higher portion of transit riders
- Multi-purpose, multi-modal, chained trips
- Predominant targets of subway crime

# You Get What You Measure

**AM EDITION**  
While you were sleeping

5:45AM

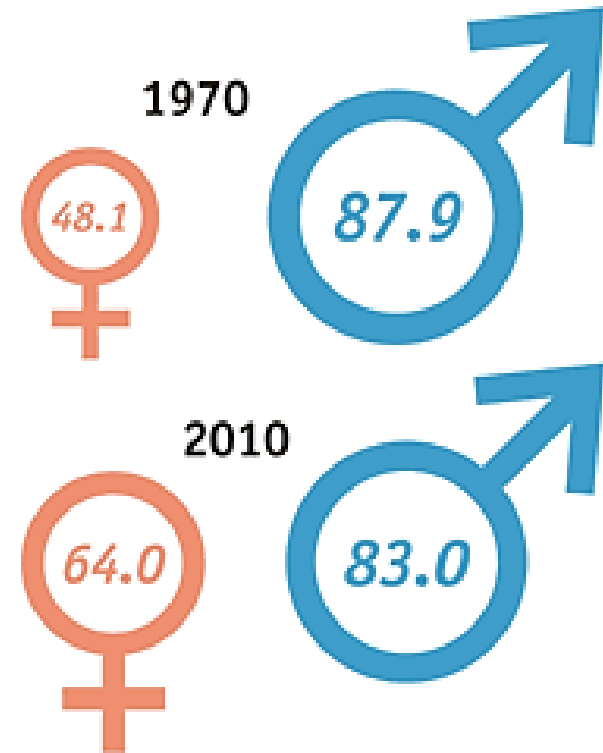
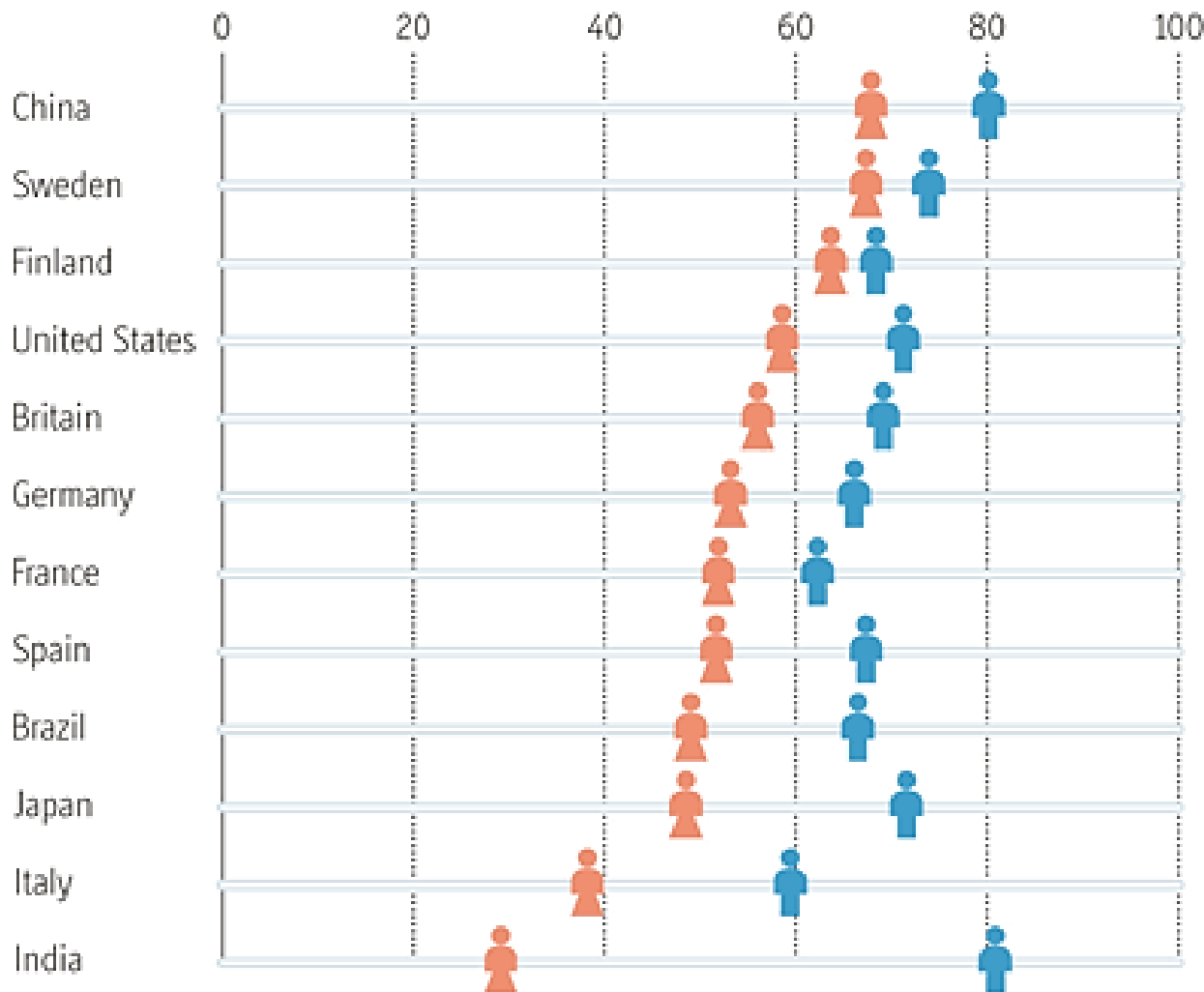
**THE START OF OUR PEAK HOUR**



# You Get What You Measure

Labour-force participation rate, 2010, %

OECD average, %

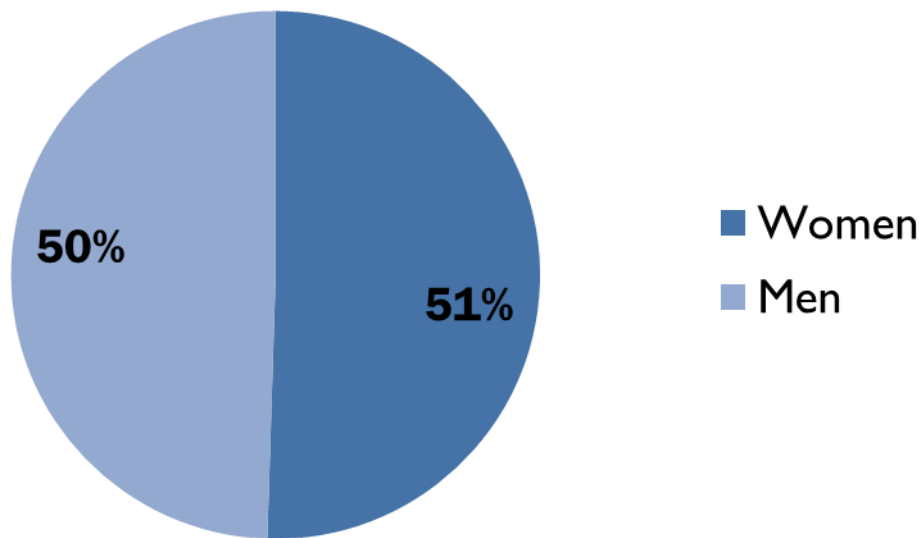


Source: The Economist, 2011

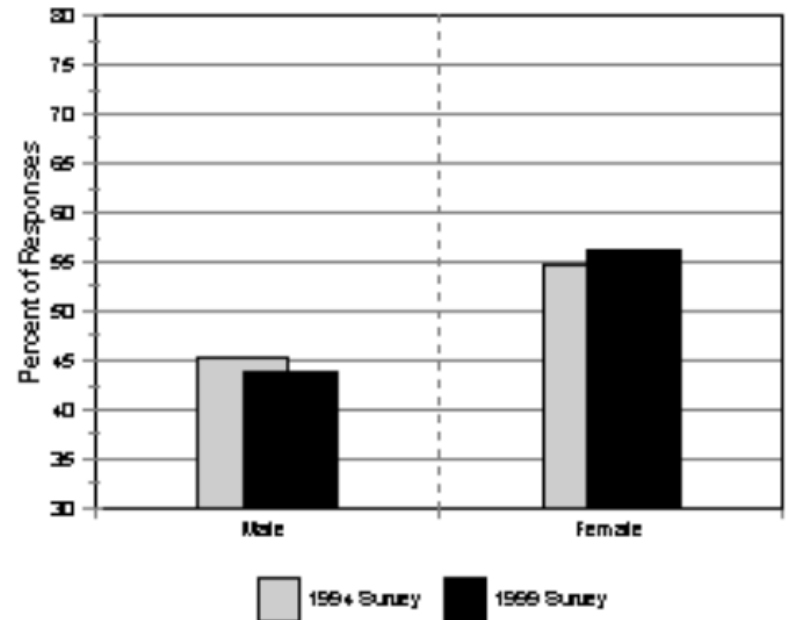
# How Women Move

## DIFFERENCES IN TRANSPORT SYSTEMS FOR MEN AND WOMEN

Transit Use- National



Transit Use- Sacramento



# How Women Move

## DIFFERENCES IN TRANSPORT SYSTEMS FOR MEN AND WOMEN

57%  
women



Have a driver's license



Women take

15%  
more trips

(which are typically shorter and taken by bus or walking)

25%  
Of trips



By women are made by bus

12%

of trips are  
by bike (W)



18%

of trips are  
by bike (M)





# More Women Ride Mass Transit Than Men. Shouldn't Transit Agencies Be Catering to Them?

In cities like Philadelphia, a remarkable 64 percent of the people riding public transportation are thought to be women.

SARAH GOODYEAR | [@buttermilk1](#) | Jan 30, 2015 | 19 Comments



REUTERS/Shannon Stapleton

# Bus driver tells mum: No strollers

MICHELLE DUFF



Last updated 05:00 27/11/2013

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59

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G+1



Share



ROSS GIBLIN/Fairfax NZ

**STROLLER DEBATE:** Jane Crichton was warned by a bus driver that she would not be allowed on a Go Wellington bus with a stroller when she boarded with her daughter Sofia, 2, in Karori.

A heavily pregnant mother says a Go Wellington bus driver threatened to bump her off a bus if she brought her stroller on board again.

Jane Crichton is now worried she won't be able to use public transport, after she says a driver on a Karori route barked at her for bringing her stroller on board.

Crichton, who is 36 weeks pregnant, was boarding the bus in the rain yesterday to take her 2-year-old daughter Sofia to daycare when the driver warned her he did not carry prams.

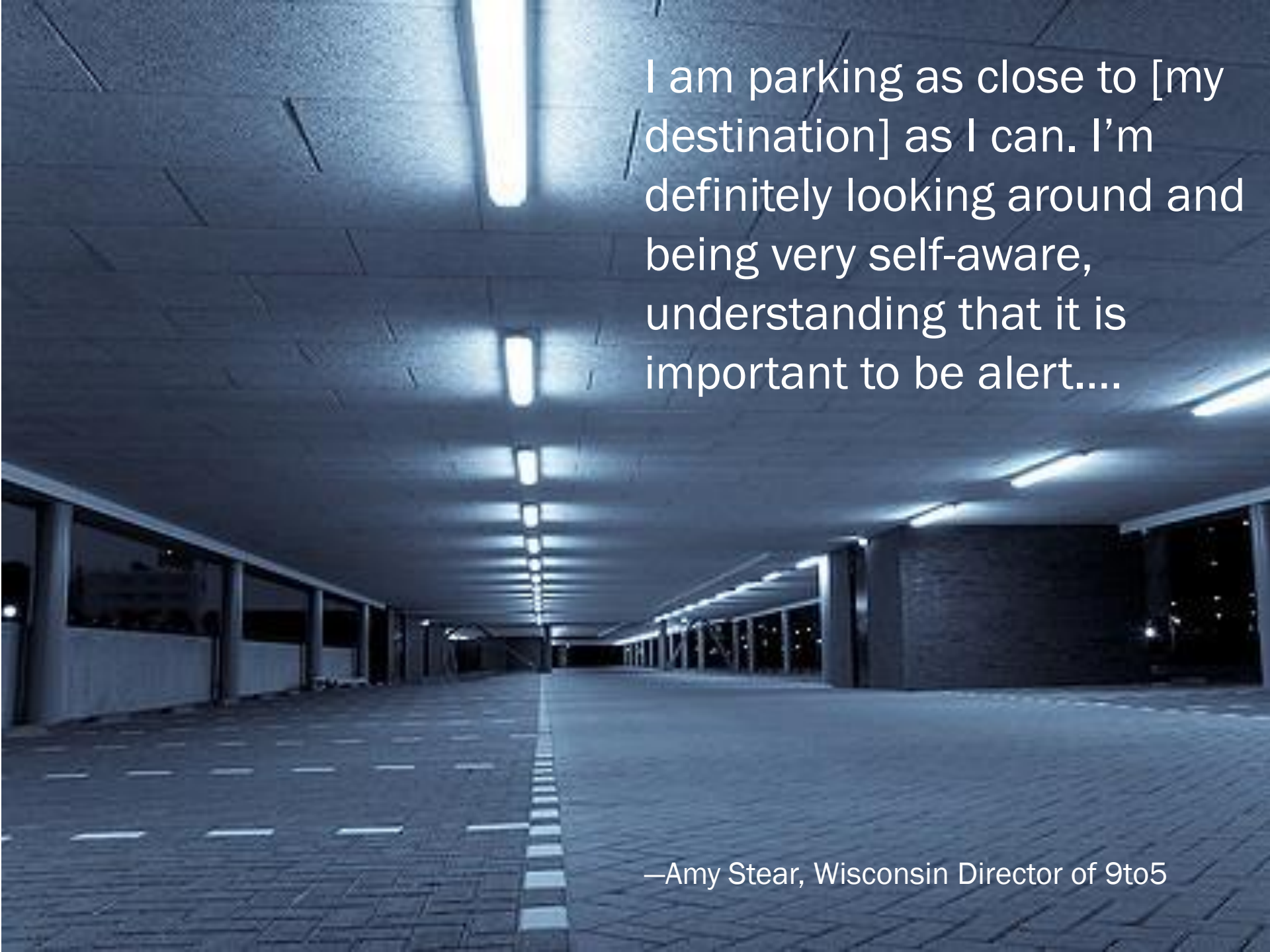
He said he would overlook the stroller that day, but next time he wouldn't be so kind, Crichton said. "I was so stunned I couldn't actually say anything, but I was like, 'What do you want me to do, walk to town?'"

The Karori mother said she had been catching buses on that route for a year with no problems, and that there were only four or five people on the bus when she got on.

# Safety and Mode Choice

**63%** of New York City subway riders said they'd been harassed on a train

**93%** of witnesses reported that the victim was female

A long, empty, brightly lit hallway with a tiled floor and a ceiling with recessed lights. The hallway is perspective-oriented, leading towards a vanishing point in the distance. The floor is made of light-colored square tiles, and the ceiling has several long, rectangular recessed light fixtures. The walls are white, and there are some dark areas on the right side, possibly windows or doors. The overall atmosphere is clean and modern.

I am parking as close to [my destination] as I can. I'm definitely looking around and being very self-aware, understanding that it is important to be alert....

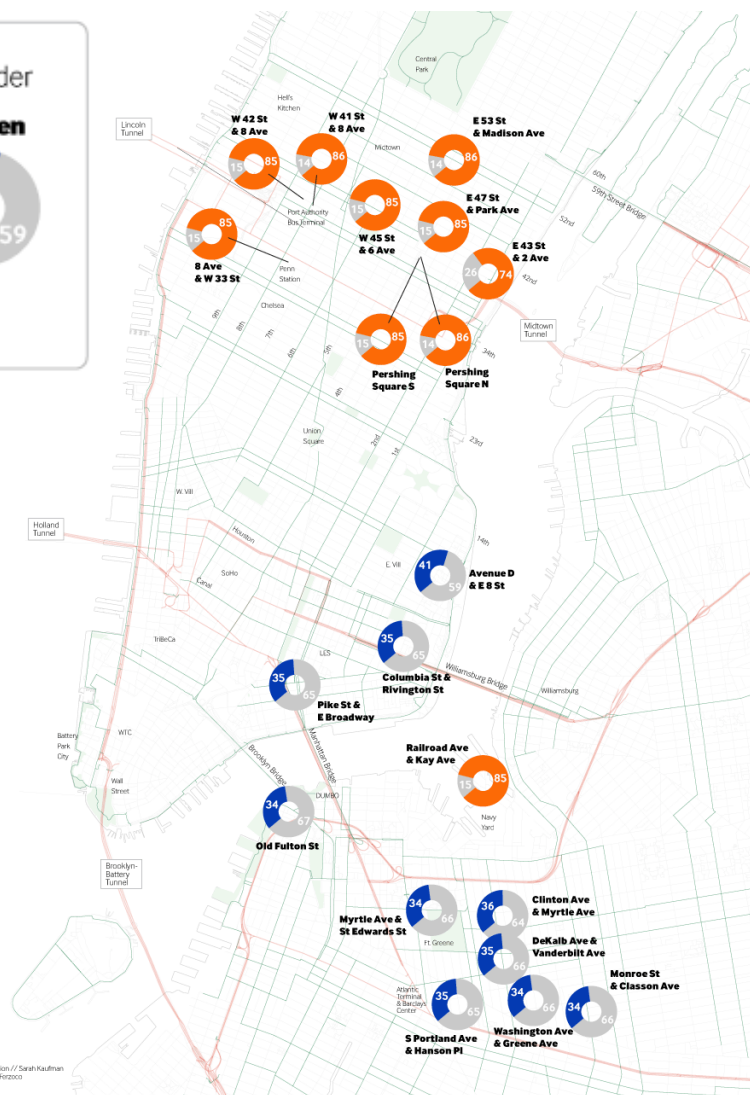
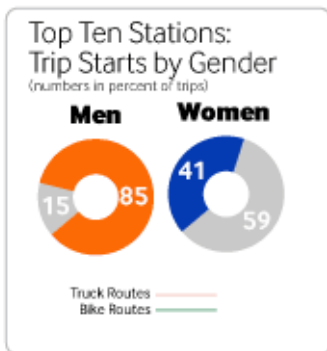
—Amy Stear, Wisconsin Director of 9to5

# Safety and Mode Choice



Source: <http://brokelyn.com>

# Safety and Mode Choice



NTU Urban Center for Transportation // Sarah Hauthman  
Design: Inspirepdm.com // Jeff Perzock  
Data: OR State DOT Data 2014

# Mobility of Care

## FACTORS ON TRAVEL PATTERNS OF WOMEN

Having a young child in the house will add **23%** more trips for a woman

A woman takes children to school **3 TIMES** more often than a man

A woman with a child under the age of five is **87%** less likely to drive

A woman is **80%** more likely to make stops on their journeys (school, supermarket, etc.)

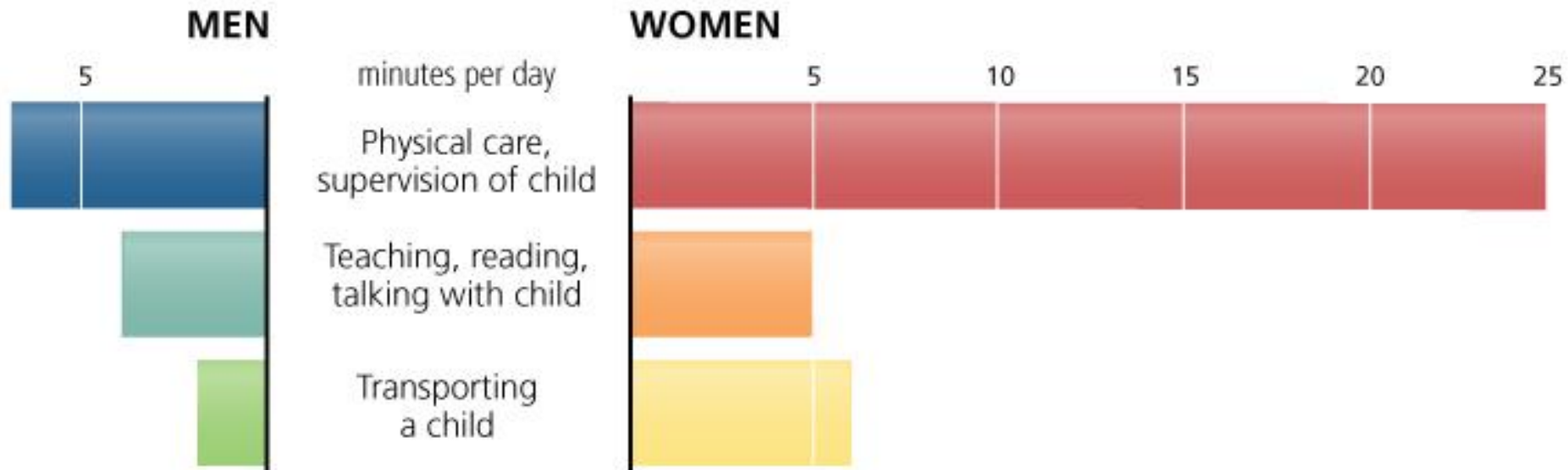
Trains and subways transport are mostly used by **women without children**

Source: The Relationship Between Gender and Transport, Inter American Development Bank

# Mobility of Care

## Average Time Spent Caring For Children

Spanish men and women, 2007\*



\*Data includes individuals without children

Source: Ines Sánchez de Madariaga (2009, 2010, 2013a, 2013b)



# Public Transportation Trips by Purpose

2006-2007, Spain

Data As Traditionally Collected



Data Collected Using the Concept "Mobility of Care"



## Care-related Trips

Care-related trips are concealed within several travel categories

When identified as a dedicated category, caring work accounts for a full quarter of all public transportation use

# Trip Chaining



**50% women undertake trip chaining - making multiple stops in a single trip**

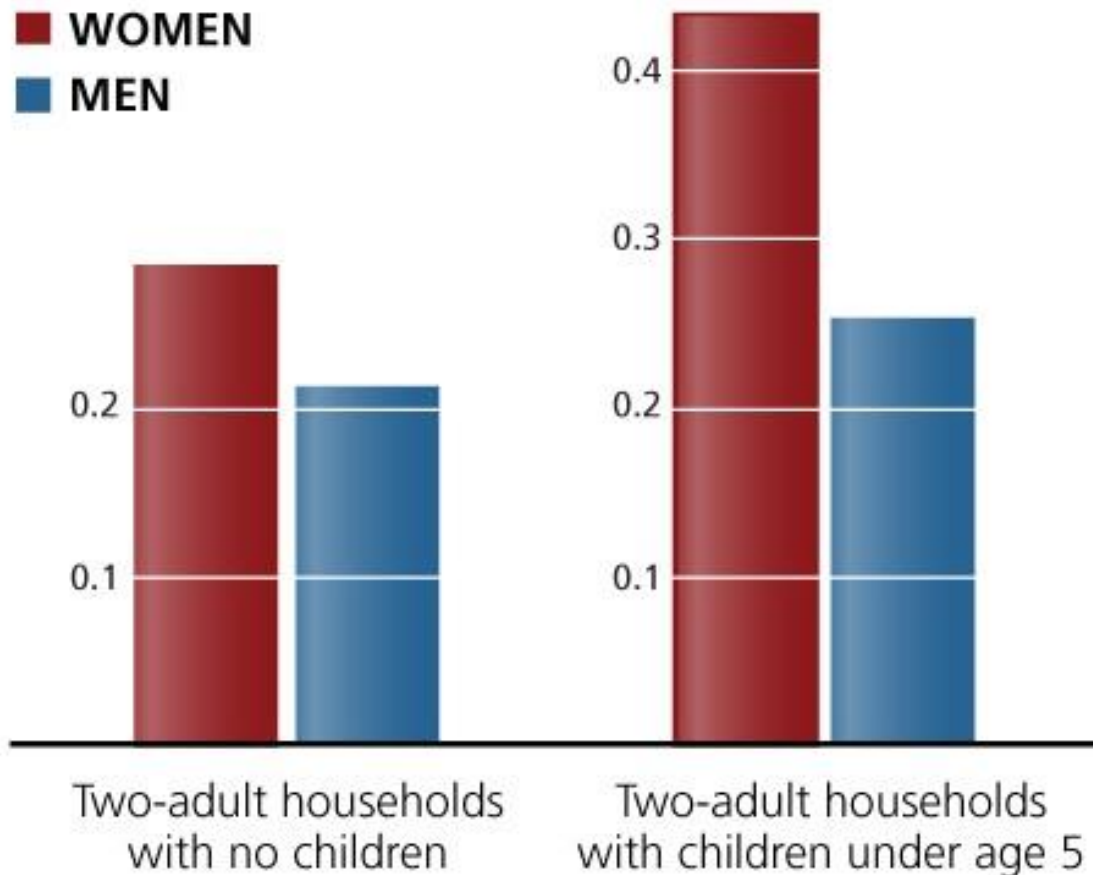


**60% of men travel from an origin to a single destination, without trip chaining**

# Trip Chaining

## Trip Chaining by Women and Men During Commutes

Average number of stops per commute, United States, 2001



A photograph of a person standing at a bus stop at night. The person is wearing a dark coat and a red hat, looking towards the street. The street is wet and reflective, with blurred lights from buildings and streetlights in the background. The overall atmosphere is dark and moody.

# Conscious Design

**BECAUSE  
WE'RE  
WOMEN,  
WE DON'T...**

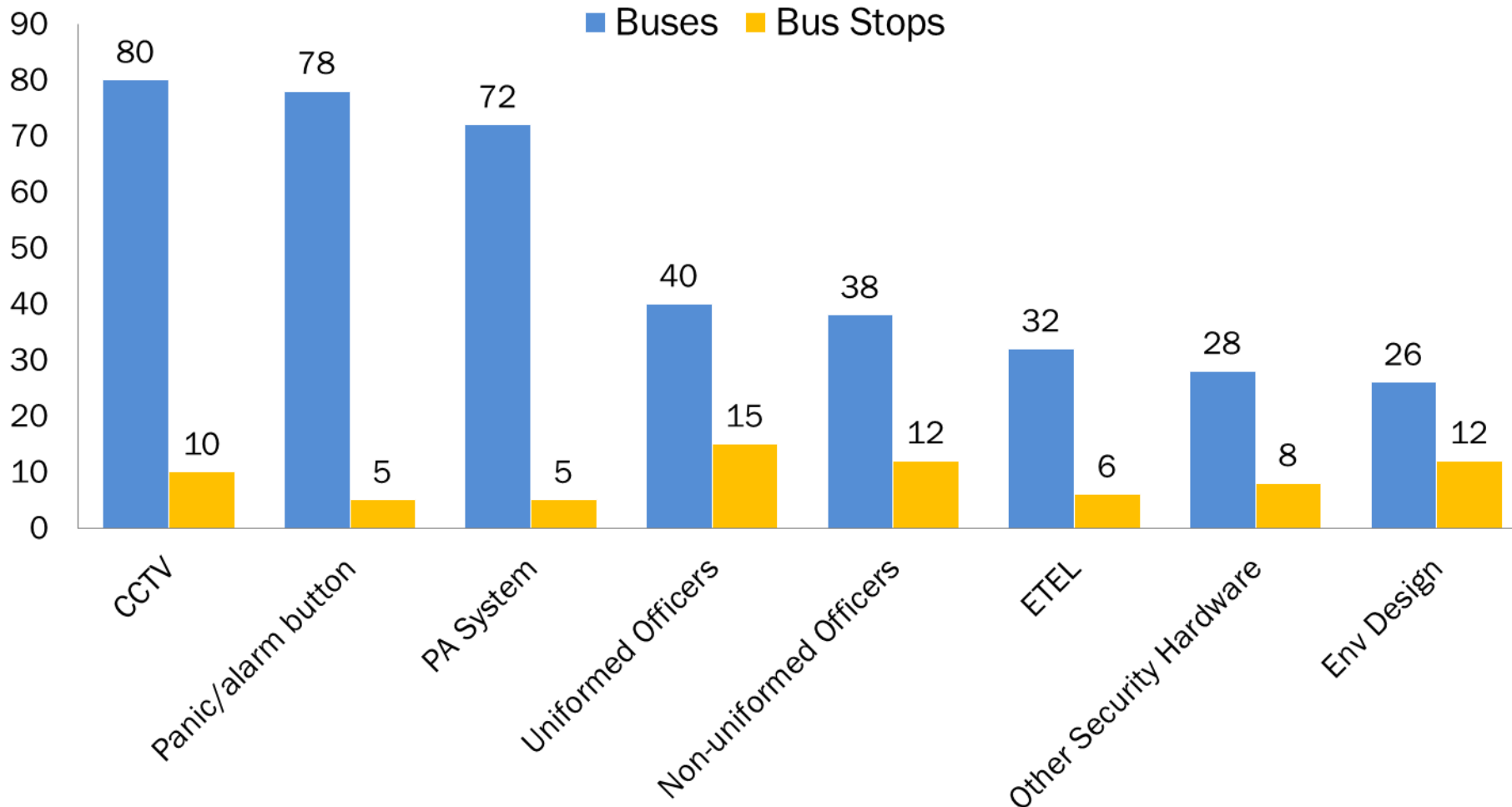


# We Don't

- **Wait on:**
  - bus stop
  - underground station platforms
  - train platforms
- **Walk through:**
  - multi-story parking structures
  - surface parking lot
  - to/from bus stop or station
- **Travel on**
  - train
  - bus



# Security Strategies



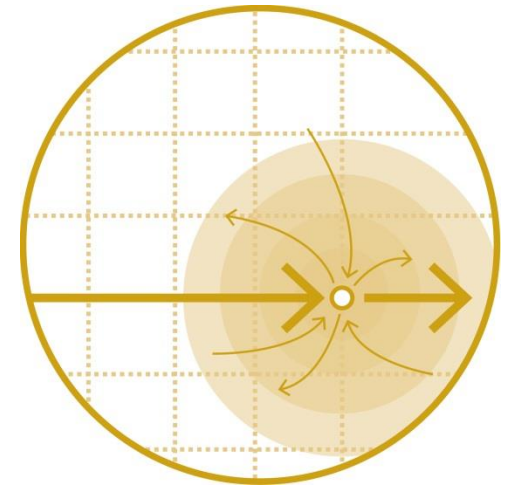
Source: Web-based transit survey of 245 transit agencies; How to Ease Women's Fear of Transportation Environments: Case Studies and Best Practices

# Improvements

- Transparent/visible design
- Good Lighting
- “Whole Journey” approach
- Safety personnel over CCTV
- “Next bus” or “Next train” signs
- Segregated transport schemes



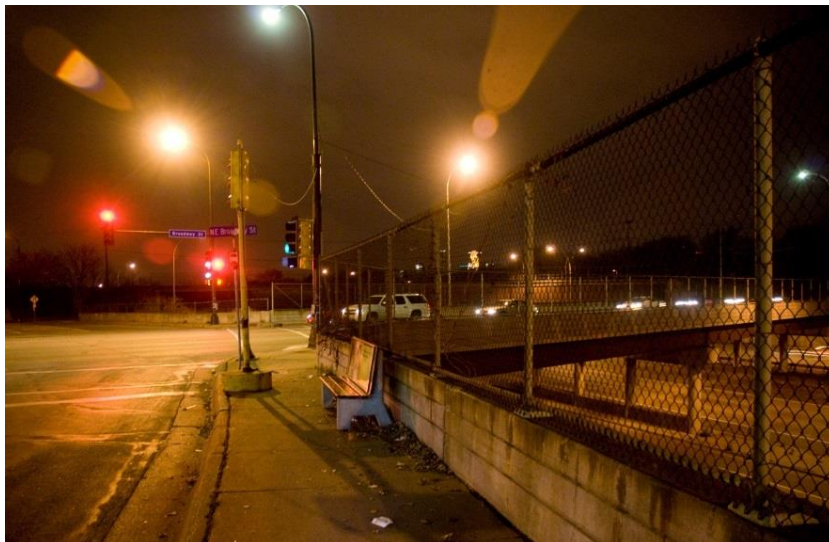
Lighting Design



“Whole Journey” approach



# Typical Bus Stop





Get our e-updates

Home About Take Action What We Do Events Donate Leave Now



# Statement on Importance of Transparent Bus Shelters for Women's Safety

May 27, 2014 by metracadmin

Home > Posts Archive > Statement on Importance of Transpar...



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First Name (required)

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(Photo credit: "TTC Bus Shelter, Toronto, Canada", by A Dawn is licensed under CC BY 2.0)

# METRAC's (1989) Moving Forward

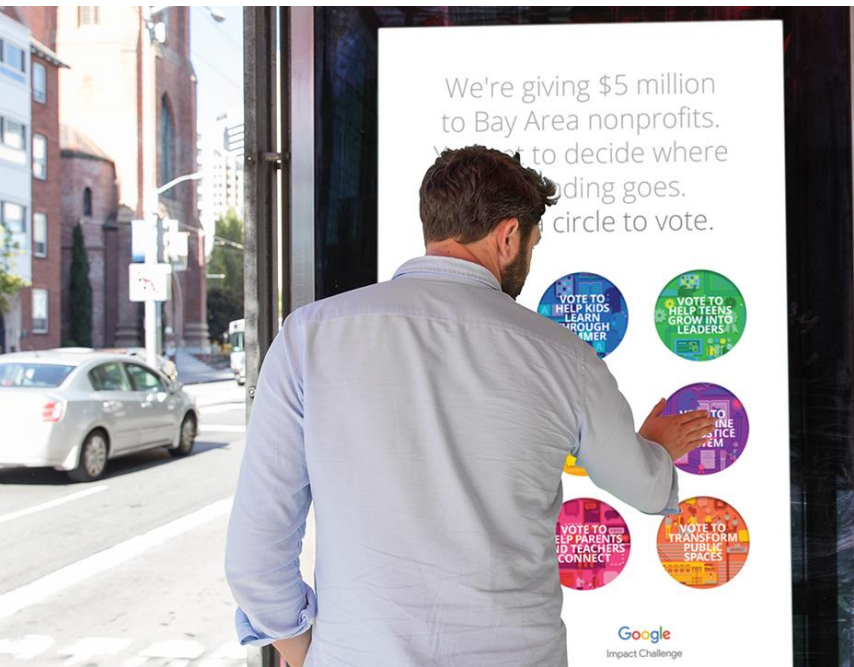
## **Making Transit Safer for Women**

- Guideline A-7: transparency of glass, ideally from floor to ceiling.
- Guideline A-72: partition should be transparent
- Guideline A-73: placement of advertising, telephones and stairways should not interfere with sightlines
- Guideline A-75: lighting levels outside shelters

# METRAC's Safety Audits

## Three main principles:

- Women are considered experts on their own environment and safety;
- Safety audits encourage local and context-specific solutions to issues of insecurity; and
- Safety audits promote partnerships and joint solutions between women and their local governments.





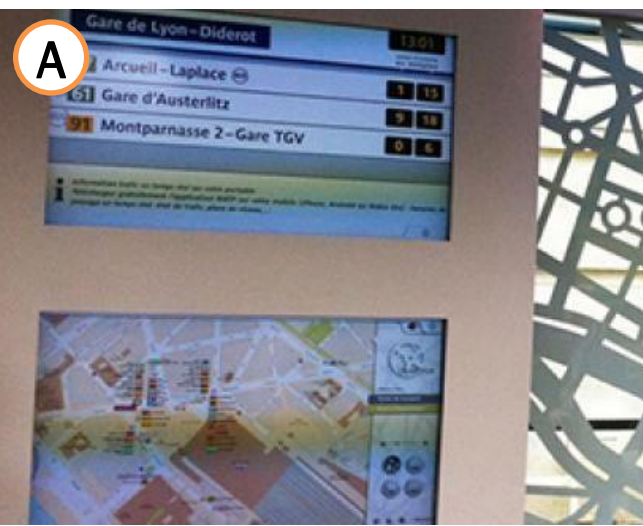
A

B

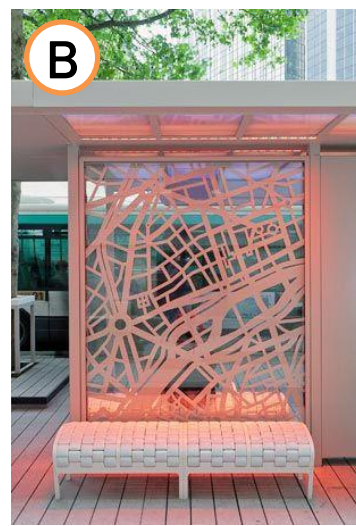
C

D

Osмосе station, Paris' RATP's Program



A



B

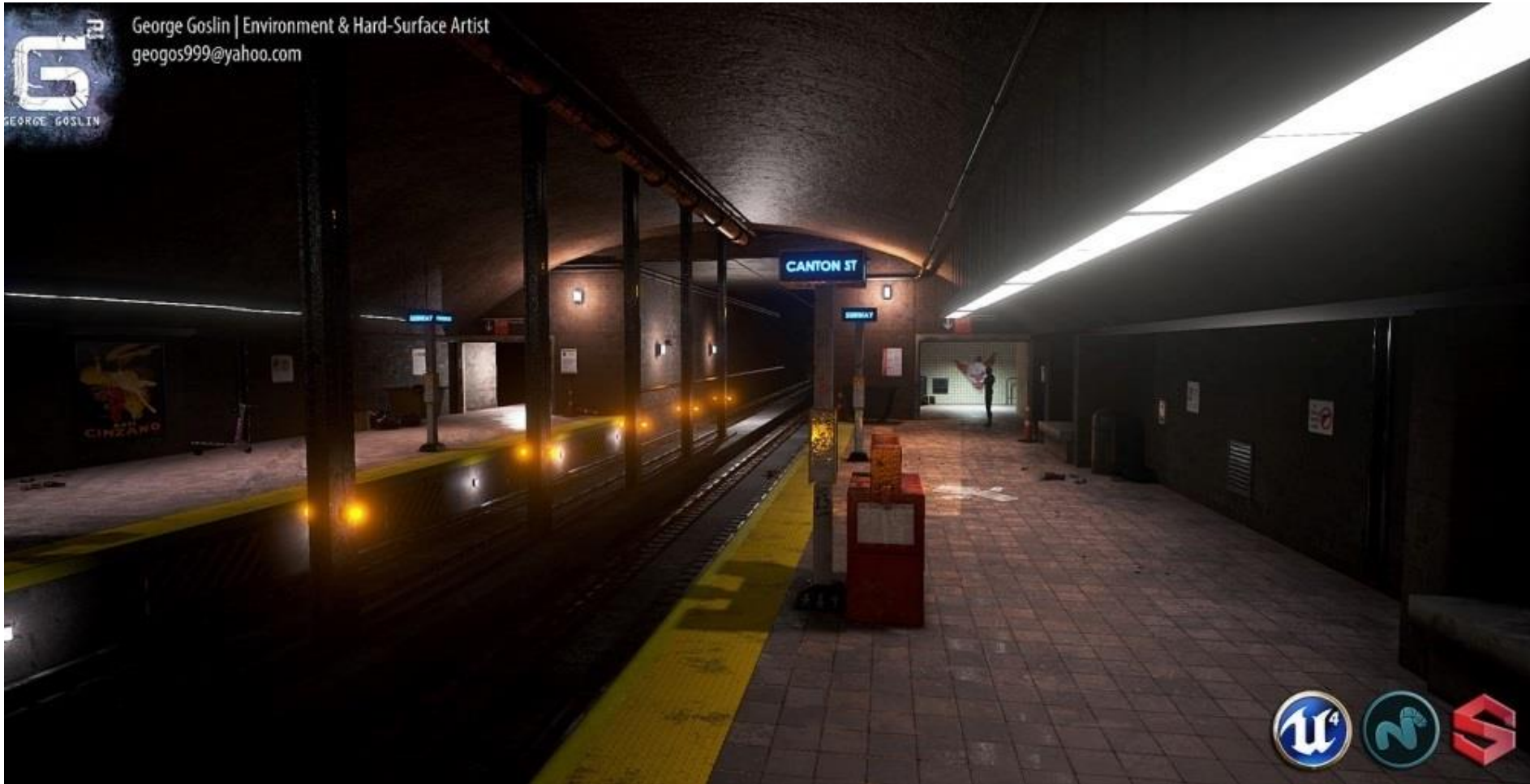


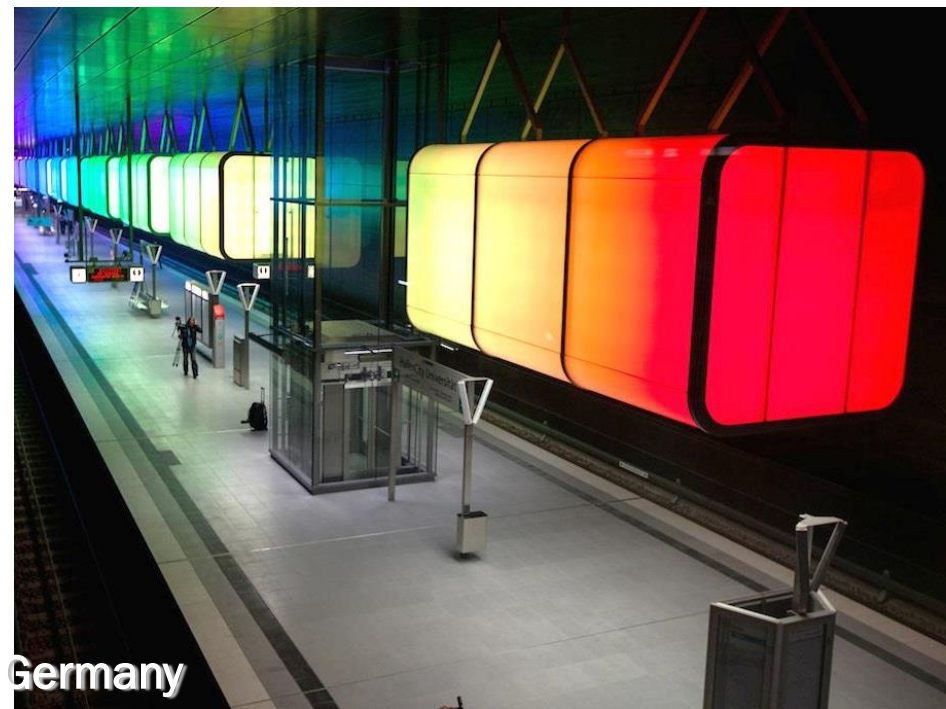
C



D

# Underground Rail Stations





Hafencity University Subway Station, Hamburg, Germany





U-Bahn Station, Munich, Germany



Fulton Station, New York

# Pedestrian Tunnels





King Cross Light tunnel ,London



King Cross Light tunnel ,London



Marienplatz U-Bahn, Munich, Germany

# Station Entrance/Exit



Broadway-Lafayette/Bleecker Transfer , New York

# Station Entrance/Exit



34<sup>th</sup> Street – Hudson Yard Station

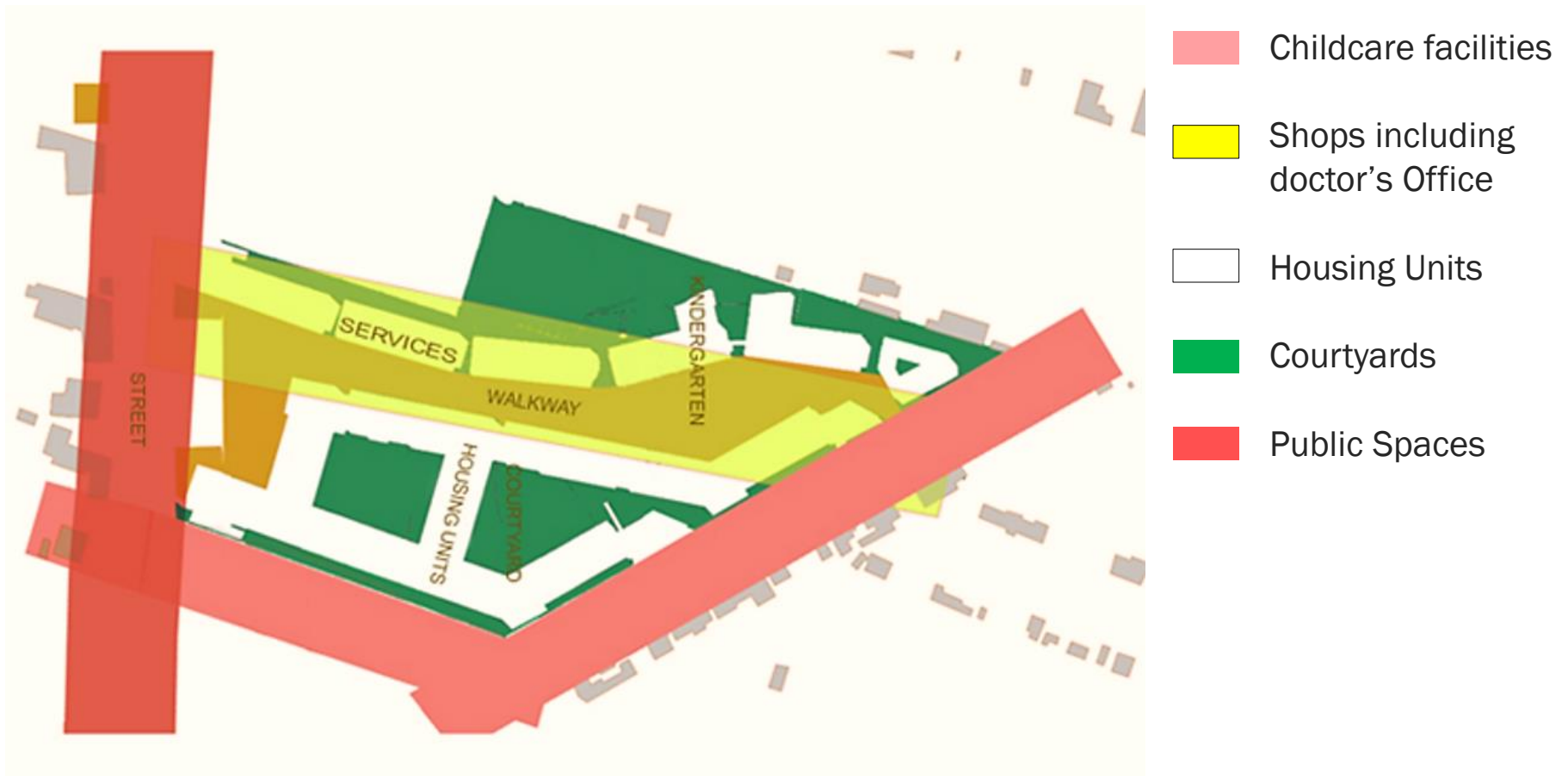
# Station Entrance/Exit



34<sup>th</sup> Street – Hudson Yard Station

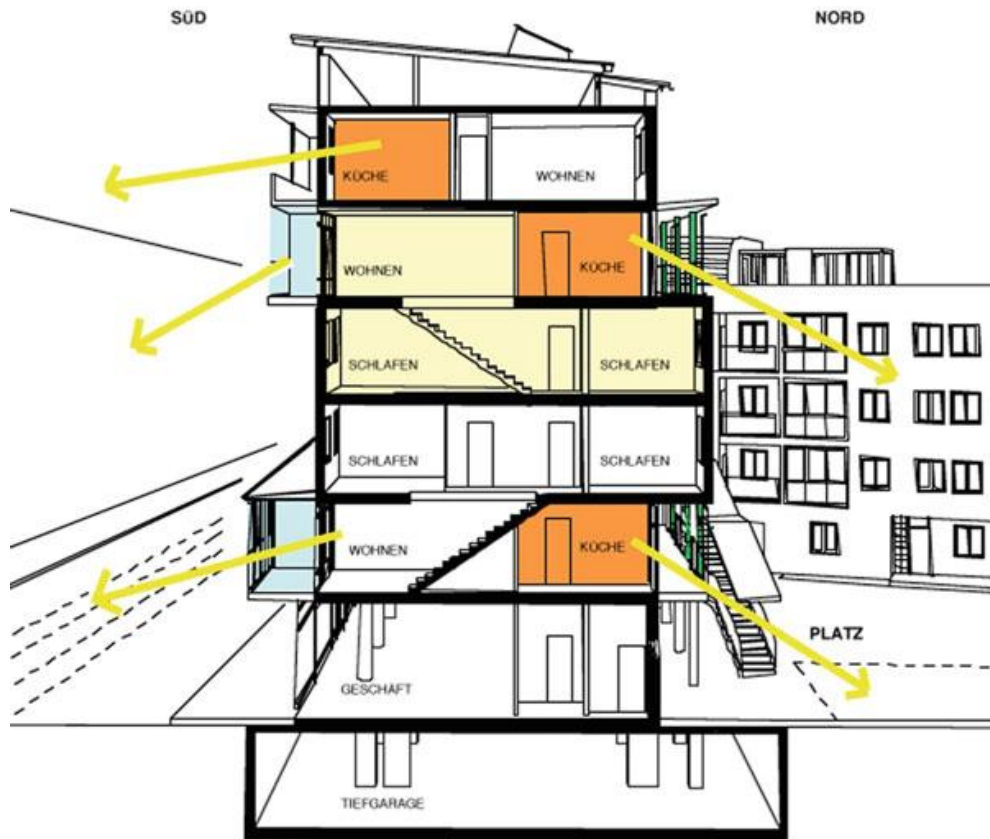


# Frauen-Werk-Stadt



A Housing Project by & for Women in Vienna Austria

# Frauen-Werk-Stadt



Gender-sensitive perspective



The Women Cycling Project was created by the Association of Pedestrian and Bicycle Professionals (APBP) to stimulate collaboration among professionals to create a hospitable transportation environment that encourages more women to bicycle more places more often – alone, together and with their children.



# The “Fearless Girl” Statue



A woman with long blonde hair is looking at a hand-drawn architectural plan on a wall. She is pointing at a specific area of the plan with her right hand. The plan shows a complex layout of buildings and green spaces, with some areas highlighted in green and purple. The text "Targeted Initiatives" is overlaid in white on the image.

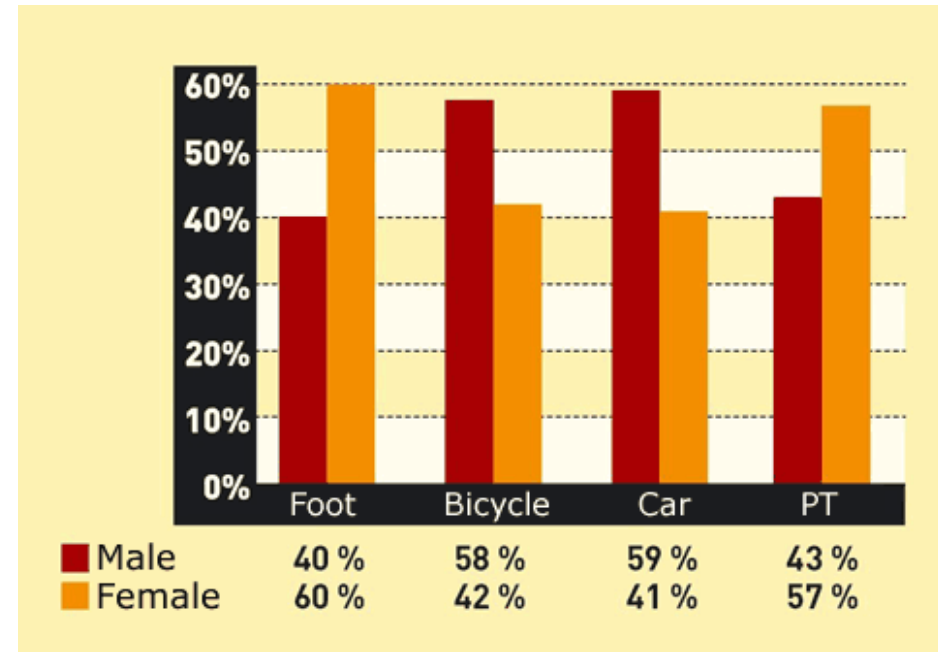
# Targeted Initiatives

# Gender Mainstreaming, Vienna

## [1] Observe + Document



Source: <https://difu.de/node/5949>



# Gender Mainstreaming, Vienna

## [2] Establish Policy of “Small Steps”



# Gender Mainstreaming, Vienna

## [3] Retrofit the City





# Gender Mainstreaming, Vienna

## [4] Include Gender in Budget Process



### IN EQUAL MEASURE

PLANNING

GENDER MAINSTREAMING PROMOTES EQUAL LIVING AND WORKING CONDITIONS AMONG MEN AND WOMEN, AND IT'S BEEN HAPPENING IN VIENNA FOR OVER TWO DECADES. MARGOT KNIGHT ASKS PLANNER EVA KAIL HOW GENDER MAINSTREAMING IN URBAN DEVELOPMENT HAS PHYSICALLY, SOCIALLY AND CULTURALLY IMPACTED THE CITY



# Gender Mainstreaming



# Hands Off, LA County Metro



## *Sexual harassment on public transport is a problem we must solve*

A new study has revealed women across the world feel unsafe when taking public transport, with one in three London women reporting abuse on the tube

Monique Villa | Wednesday 29 October 2014 14:31 GMT | 0 comments



Like Click to follow  
The Independent Online



# KEEP YOUR HANDS OFF ME

Grab a handrail, not me. Sexual harassment is a crime, and if you make me uncomfortable, I will find an MBTA Station Official or Transit Police Officer, take your photo with my phone, or use my See Something, Say Something app to report you. Leave me and the other riders alone.



Massachusetts Bay  
Transportation Authority  
www.mbta.com



MBTA Transit Police  
(617) 222-1212  
Text: 673873



www.barcc.org  
Hotline: (800) 841-6271



Violence Recovery Program  
www.jerseyhealth.org/vrp  
(800) 834-5042

# Right Rides, NY & DC

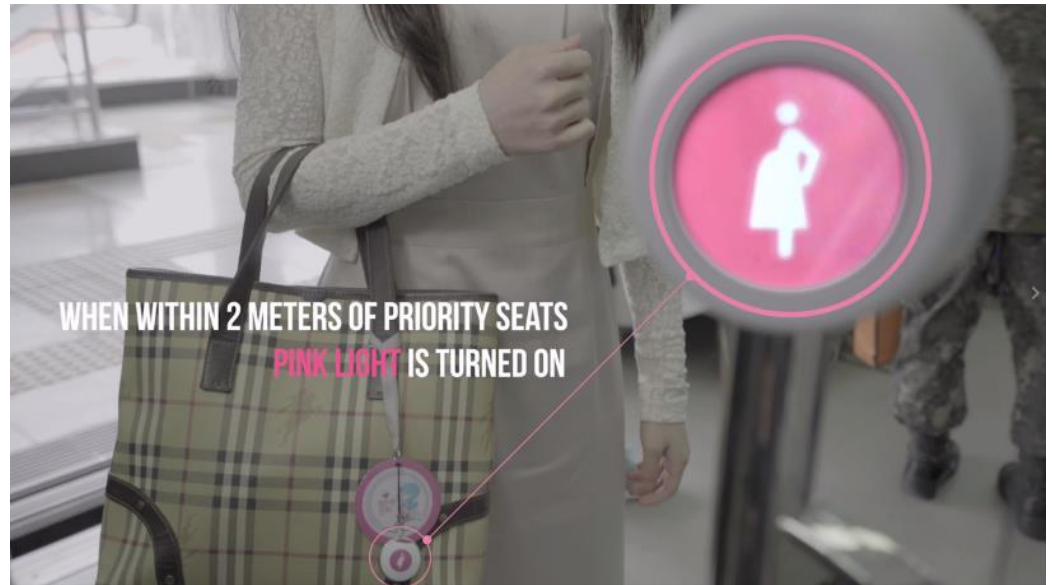


COLLECTIVE ACTION  
FOR **SAFE**  
**SPACES!**

**RightRides**<sup>SM</sup>  
WASHINGTON DC

zipcar. 

# Pink Light, South Korea



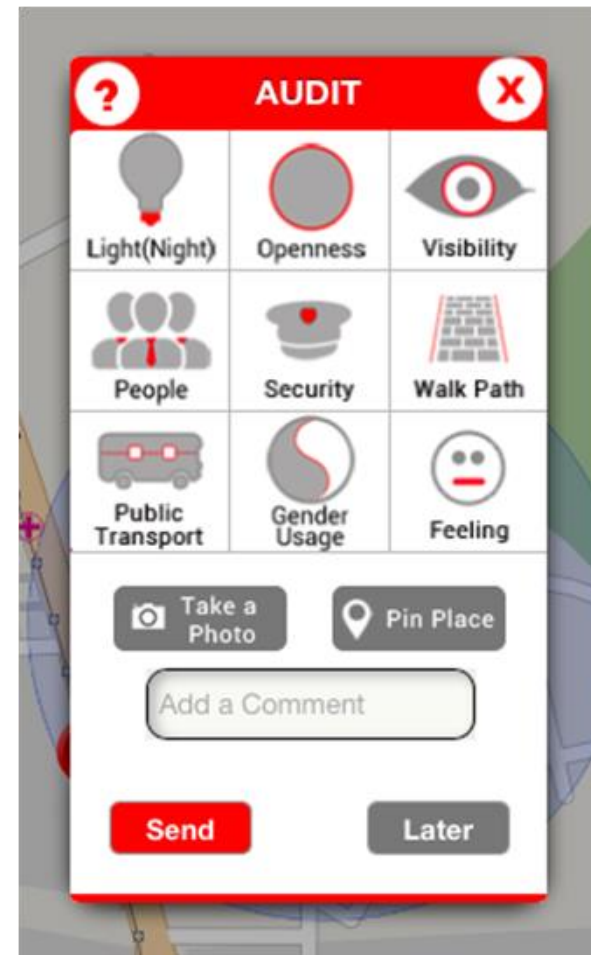
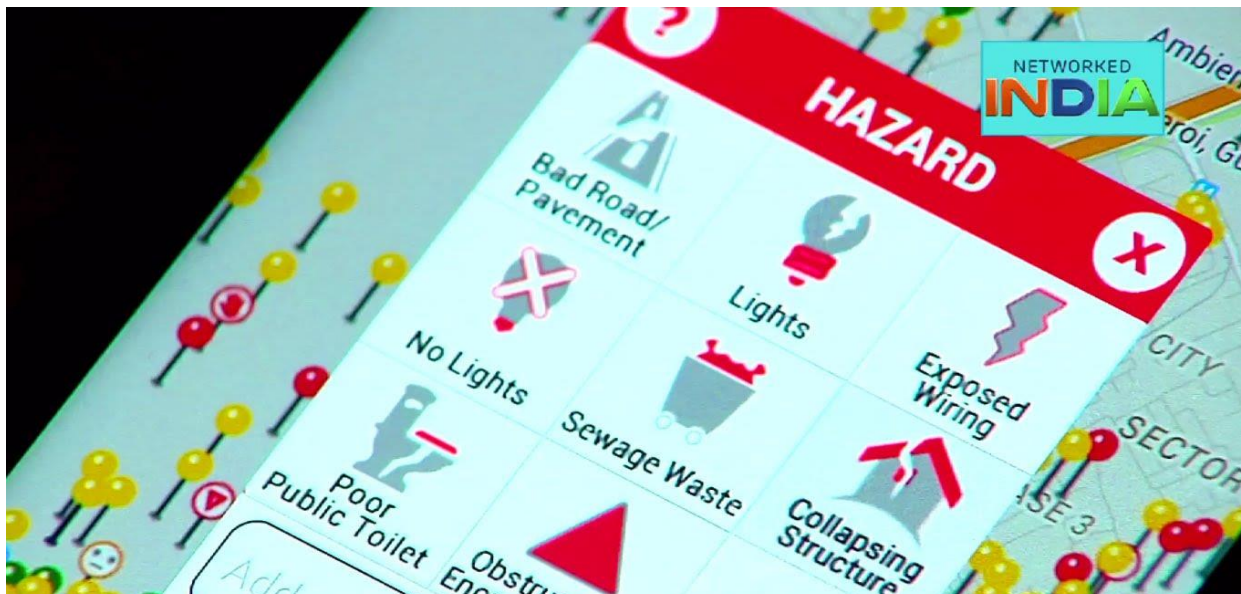
# Transport for London



Report it  
to stop it

Tackling unwanted sexual behaviour on public transport

# SafetiPin App, India



# Women-Only Traincar, India





# Pink Auto-rickshaws, India



# Uncomfortable Seat, Mexico City

AMERICAS

## 'Penis Seat' Causes Double Takes on Mexico City Subway

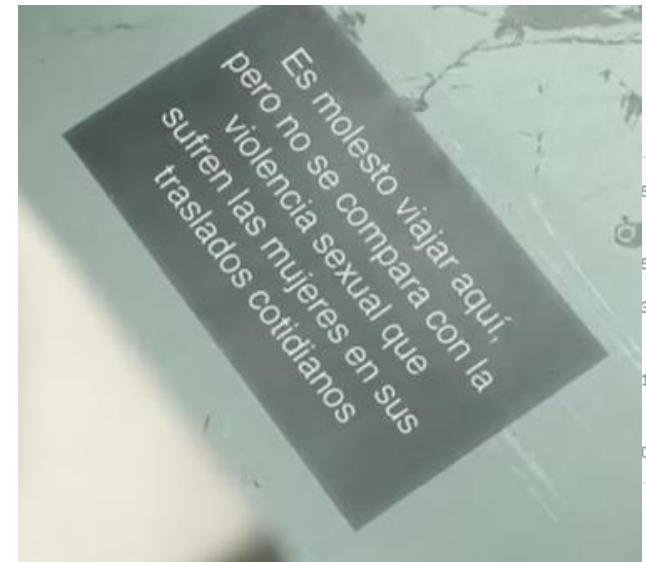
Leer en español

By SOPAN DEB and MARINA FRANCO MARCH 31, 2017

Experimento Asiento Incómodo



A frame grab from a video of the "men only" seat on the Mexico City Metro, part of a campaign against sexual harassment. YouTube



<https://www.youtube.com/watch?v=0p5pp1pcOPs>



Queen Bee or  
Worker Bees?

# American Women

## More Women

- 59% of college-educated workforce
- 60% of college degrees
- 60% of masters degrees
- 47% of law degrees
- 48% of medical degrees
- 47% of labor force



# Women at Work

## Public Sector

- 58% of state and local jobs
- 42% of federal jobs
- 20% of leadership positions

## Private Sector

- 42% of jobs
- 15% of senior leadership positions
- <9% of top leadership positions
- Gender pay gap = more pronounced

# Women of Color

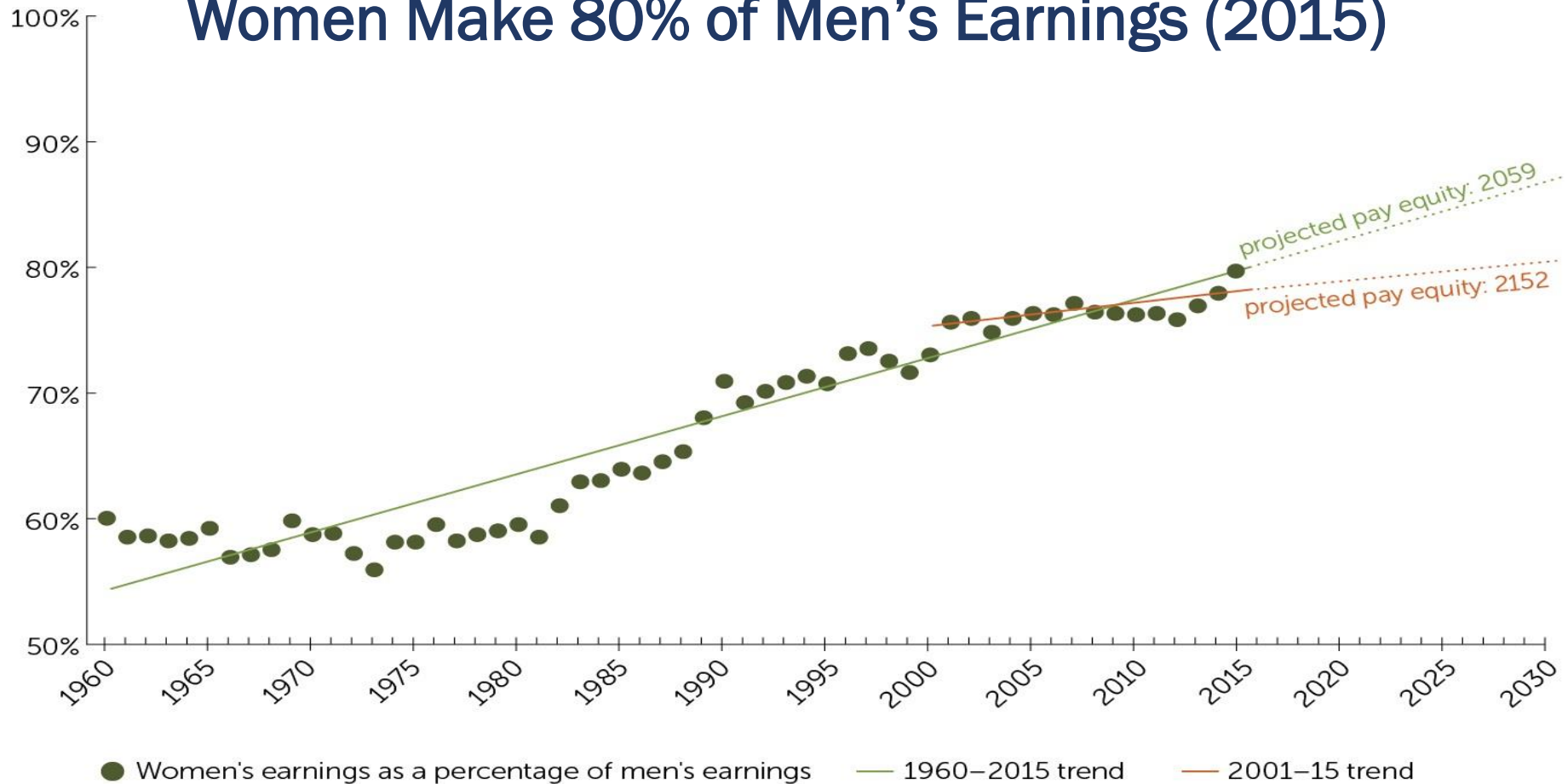
## Face a Wider Gap

Insert graphic 3/100

- 18% of U.S. population
- 1/3<sup>rd</sup> of female workforce
- 12% of managerial positions
- Less than 3% of Fortune 500 board seats
- More than 2/3<sup>rds</sup> of Fortune 500 boards have no women of color

# Pay Gap Over Time

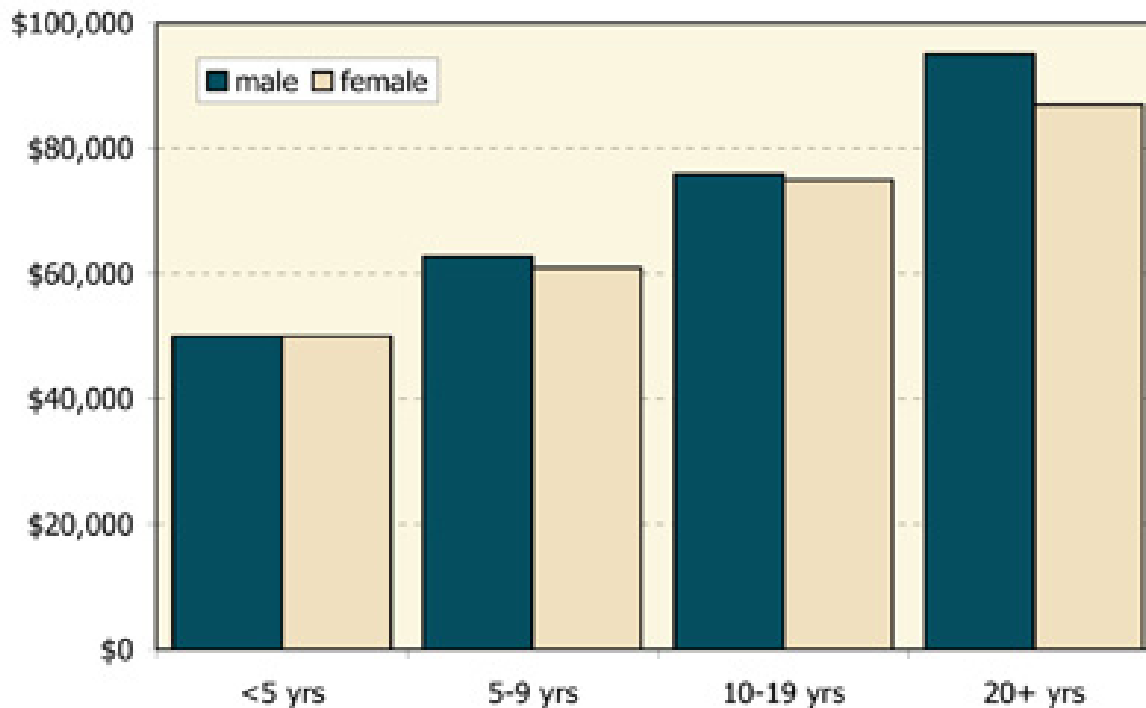
## Women Make 80% of Men's Earnings (2015)



Source: AAUW analysis of data from Proctor et al., U.S. Census Bureau, *Income and Poverty in the United States: 2015*

# Women Planners

## Make 91% of Men's Earnings (2014)



On average, men make more

**\$8K/yr**

more than women

**\$1,700/yr**

more in cash compensation

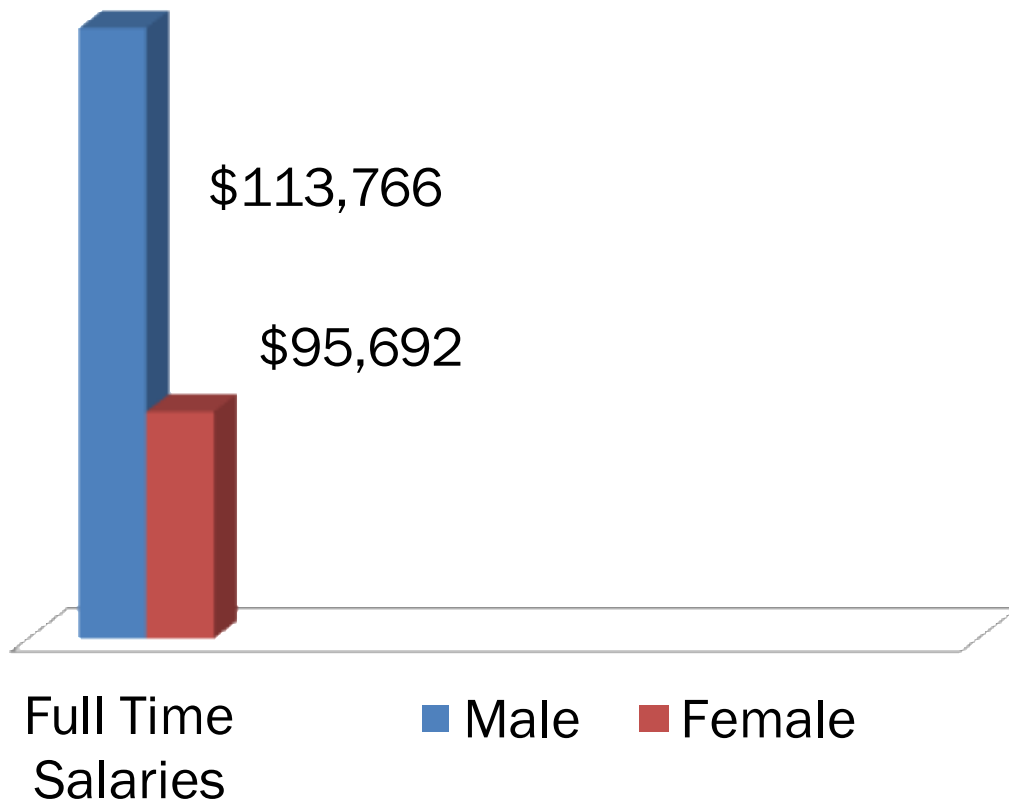
base: 9,032 full-time planners

Sources: APA/AICP 2016 Planners Salary Survey by Gender and Heritage/Race



# Women in Academia

## Gender Wage Gap in Academia



- Men outnumber women **2:1** in full professorship
- Gap unchanged (14-15), men make almost **double**

“The majority of women who achieve tenure have no children [...] at any point in time after the PhD”. – Mason & Goulden (2003)

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**“You can call it a choice, but ... who else is going have the babies?”**

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# Can Grade-Skipping Close the STEM Gender Gap?

If girls were allowed to accelerate through school, then perhaps their peak career- and family-building years would not overlap.

TOM CLYNES | APR 18, 2017 | EDUCATION



# Scholarship, Why it Matters...

## Not your Grandma's City



**FORTUNE** Here's How Men Act When Their Wives Make More Money than They Do



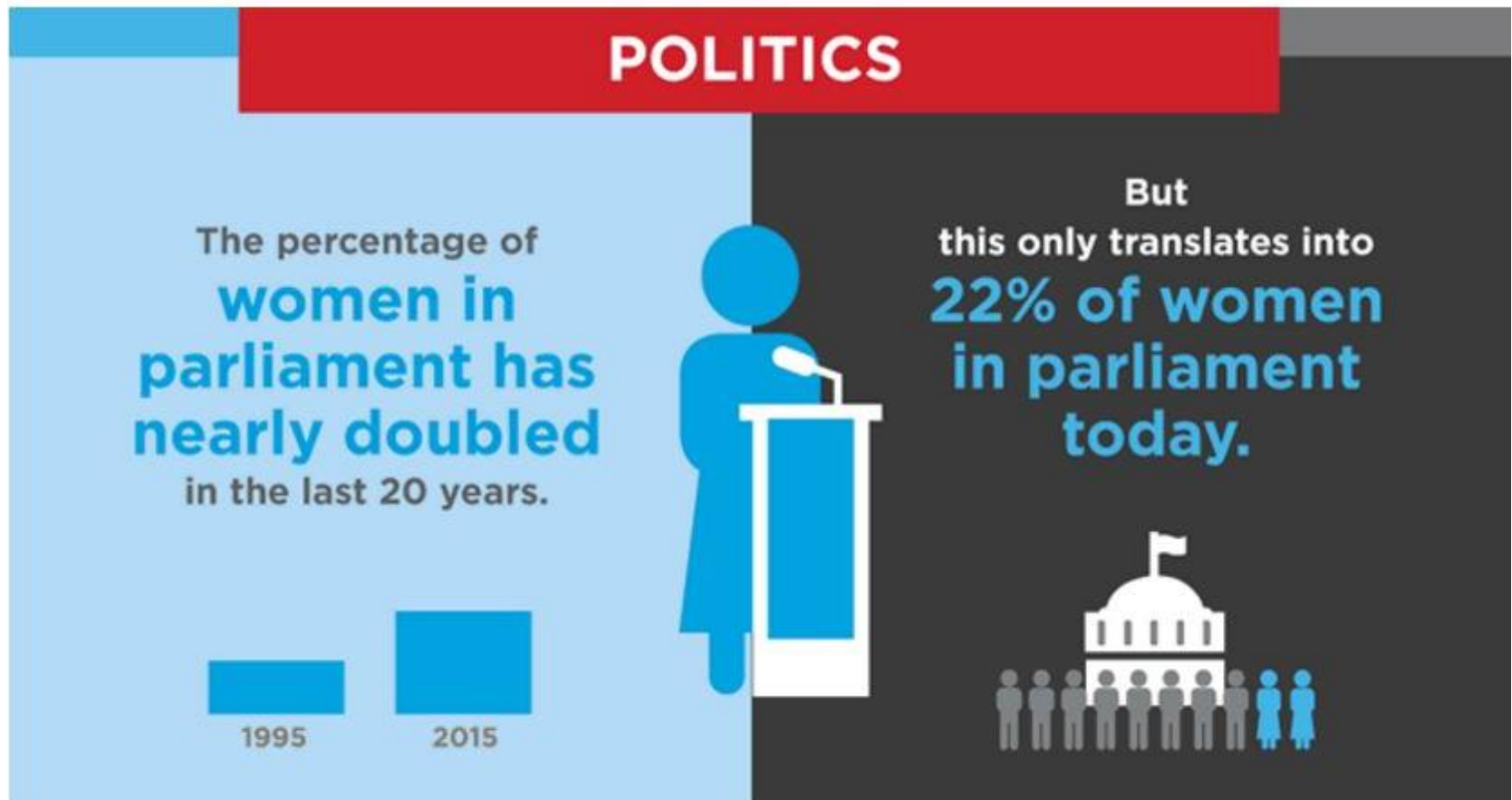
**Harvard  
Business  
Review**

**Earning Less Than Their Wives  
Makes U.S. Men More Partisan**

A large, circular conference room with a curved wooden table. Numerous people are seated around the table, many with their hands raised, suggesting a meeting or a vote. The room features a large mural on the wall and a high ceiling. The text "Decision Making" is overlaid in the center in a large, white, sans-serif font.

# Decision Making

# Across the World

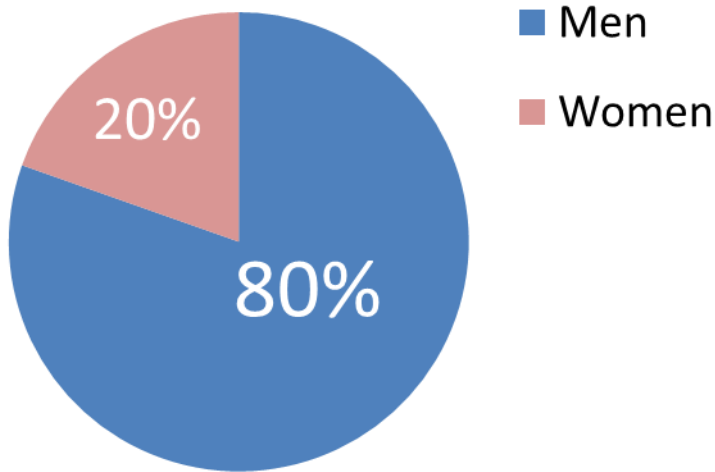


Source: United Nations

# Women in Congress

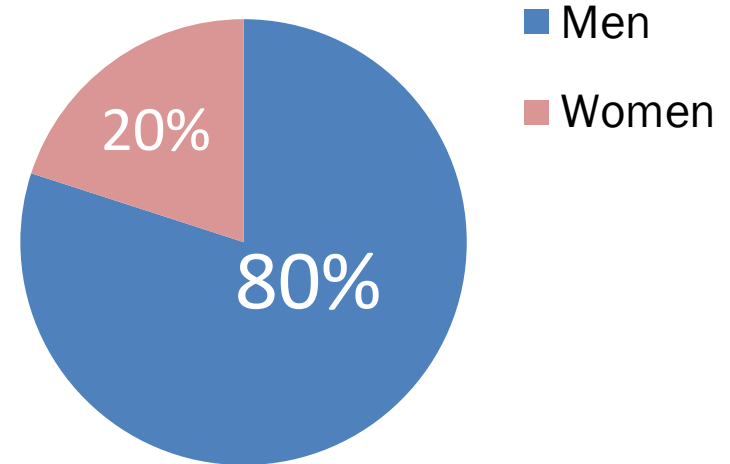
104 of 535

U.S. Representatives



21 of 100

U.S. Senators



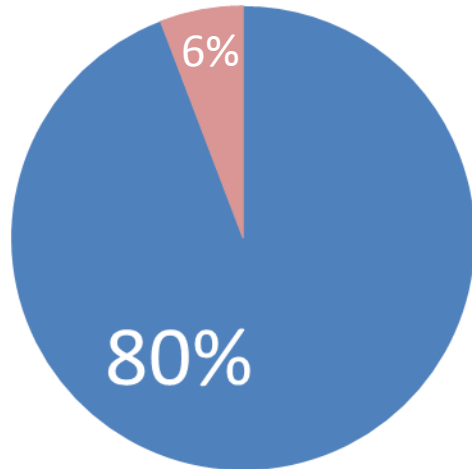
U.S. ranks 60th in women's political empowerment on the Gender Gap Index.

Source: CAWP (Center for American Women and Politics), [AmericanProgress.org](http://AmericanProgress.org)




# Women CEOs of S&P 500

29 of 500 CEOs



■ Men  
■ Women





# Call for Action + Resources

## Women & Girls

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### GOVERNING COUNCIL

**51% of LA County residents are women and girls. 29% of Metro full time staff are female.**

# Initiatives

## AIALA POWERFUL: Women Leading Design

**When** Friday, October 9th, 2015, 8:00AM - 5:00PM

**Where** SCI-Arc - 960 E 3rd St, Los Angeles, CA 90013

 aia

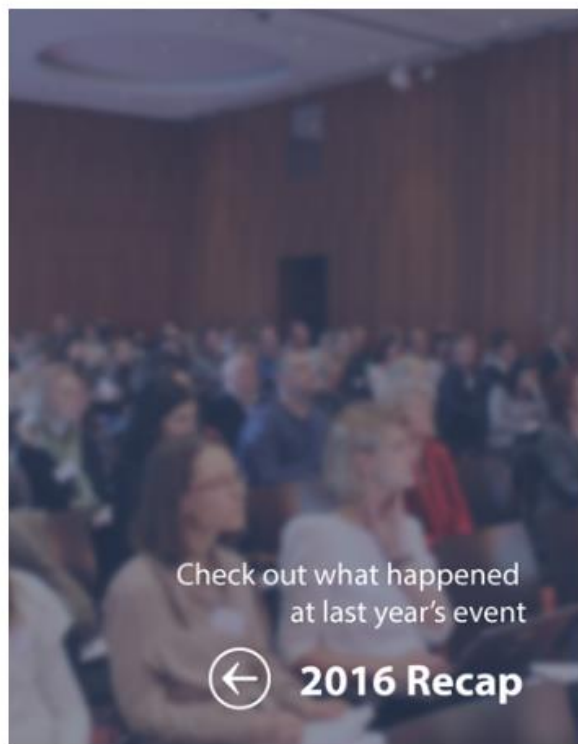
 Share

POWERFUL  
POWERFUL



[Women in Leadership Symposium](#) > [2017 Symposiums](#) > [2017 Sacramento Women in Leadership Symposium](#)

## 2017 Sacramento Women in Leadership Symposium



Check out what happened  
at last year's event



**2016 Recap**



Search



21.4K 735 10 57

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# 11 Women Who Are Making L.A. a Better Place

They're advocates, entrepreneurs, and trailblazers whose work spans from entertainment law to fashion to affordable housing

August 17, 2017 | Julia Herbst | 0 Comments

## RECOMMENDED

- The 10 Best Things to Do in L.A. for Labor Day Weekend
- Two Precious Mountain Lion Kittens Have Been Found in the Santa Monica Mountains
- Barcade Is Opening L.A., and Our Joystick Thumbs Are Trembling
- The Crenshaw Line Is Taking Shape, and Suddenly 2019 Can't Get Here Fast Enough
- This Vegan Night Market Is the Stuff of Food Dreams, and You Need to Taste Everything



Advancing Women in Transportation

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WTSLosAngeles@gmail.com  
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- Scholarships



Up-and-Coming Women Graduate from Pilot Mid-Career Mentoring Program. July 17, 2017

Participants in the WTS Los Angeles inaugural mid-career mentoring program meet at Chaya to celebrate the wrap-up of their year-long pairing with senior executives from the public and private sectors and academia. Photo © John Livzey.



THE WTS-LA NEWSLETTER: KEEPING THE CHAPTER IN VERSE



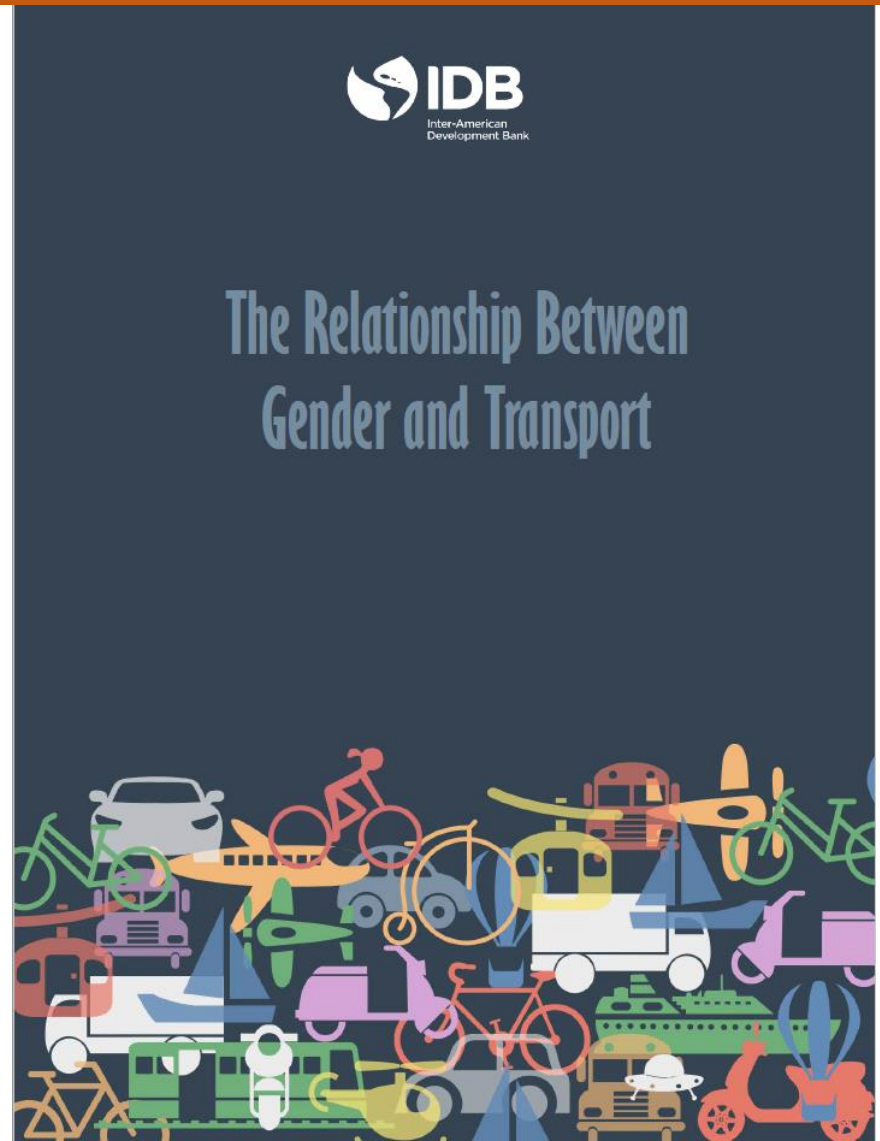
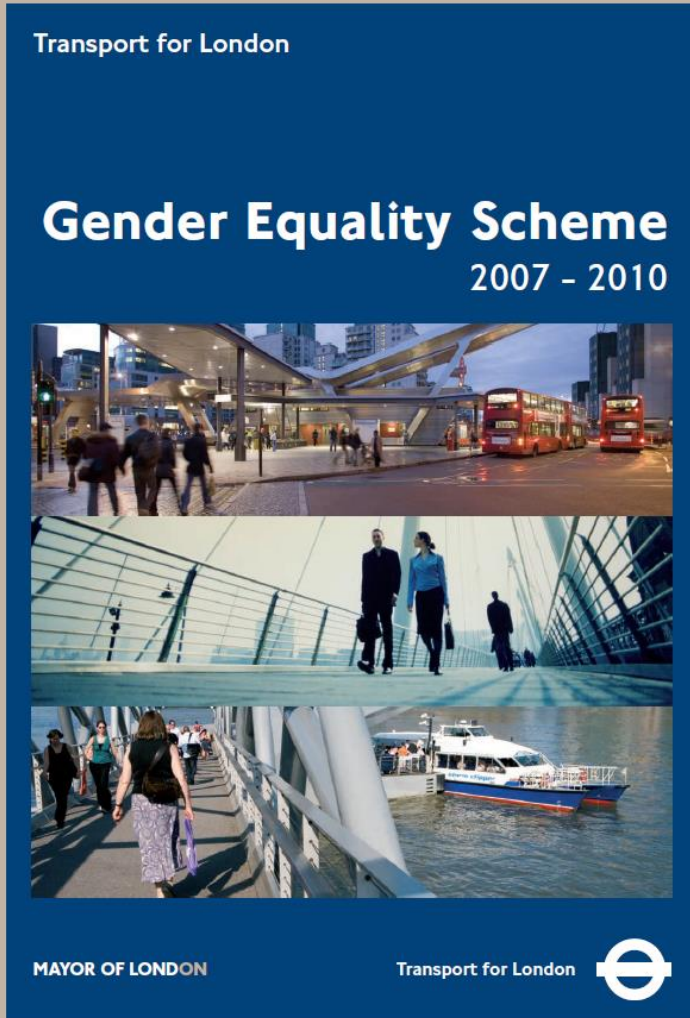
It is said that journalism is literature in a hurry. While the [WTS-LA newsletter](#) has no pretense to be great literature, it does serve a vital function for the chapter. It delivers the most important news for its membership to its membership. And the July edition is no exception.

Covering a wide range of stories, member profiles, events, and of course the WTS-LA president's letter, the WTS-LA newsletter is an essential means of communication for WTS-LA members and beyond. Want to learn about Memi





# Books or Research to Dive into





Thank You

Feminist Utopia  
Fantasy Story  
By Xanthe Justice



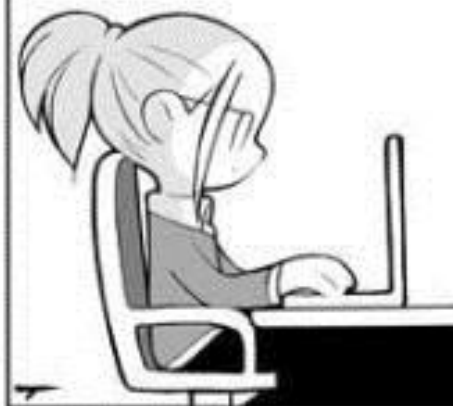
It was midnight.  
Amanda felt like  
going for a walk.



So she did.



The End.



THAT'S ALL SHE WROTE  
**TATSUYA ISHIDA**