

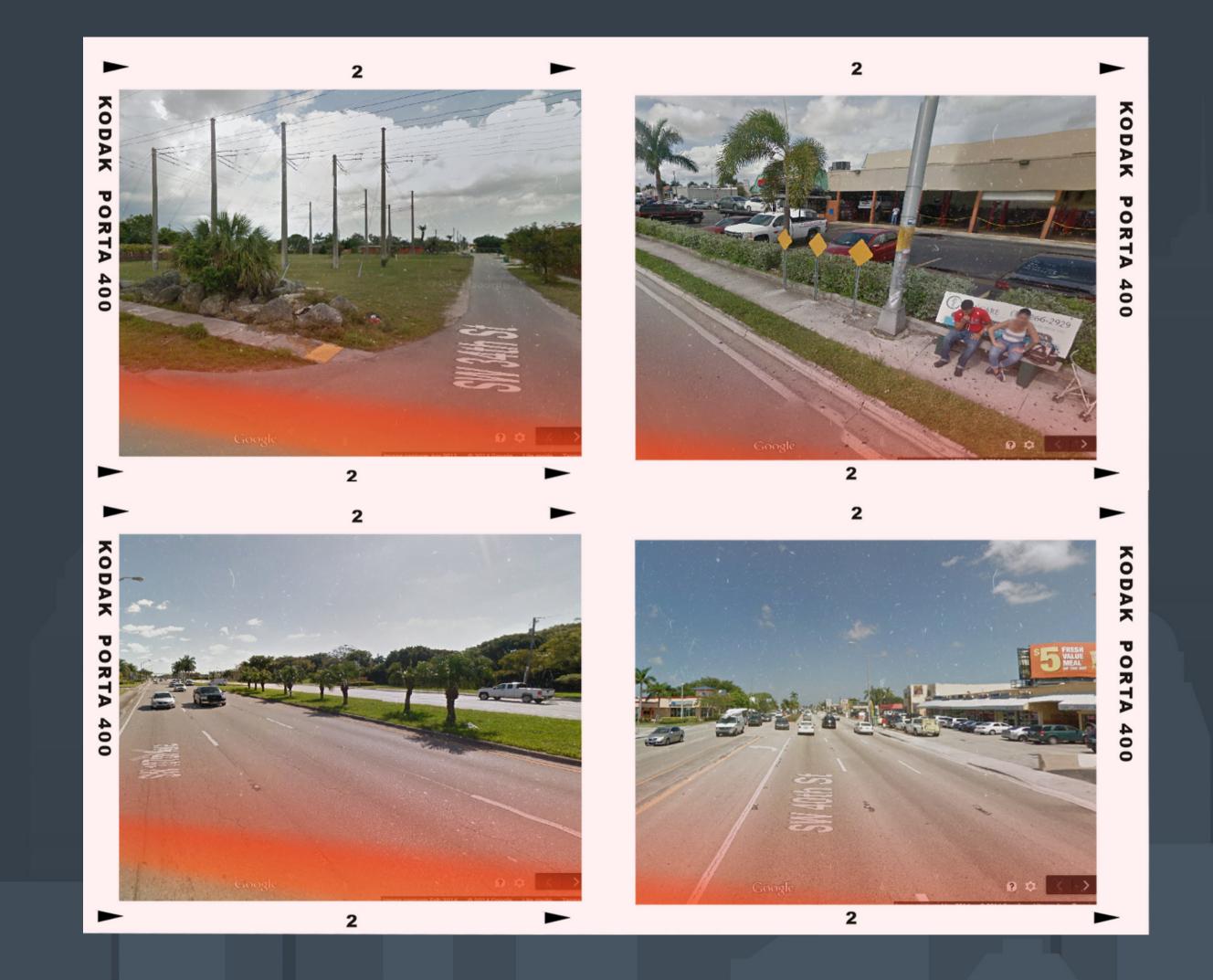
How Data & Predictive Analytics Can Equitably Optimize the Social, Health, Environmental, & Economic Value of Places

@STATEOFPLACE **@CITYFOODLOVER** STATE OF PLACE

MARIELA ALFONZO, PH.D.

FOUNDER/CEO







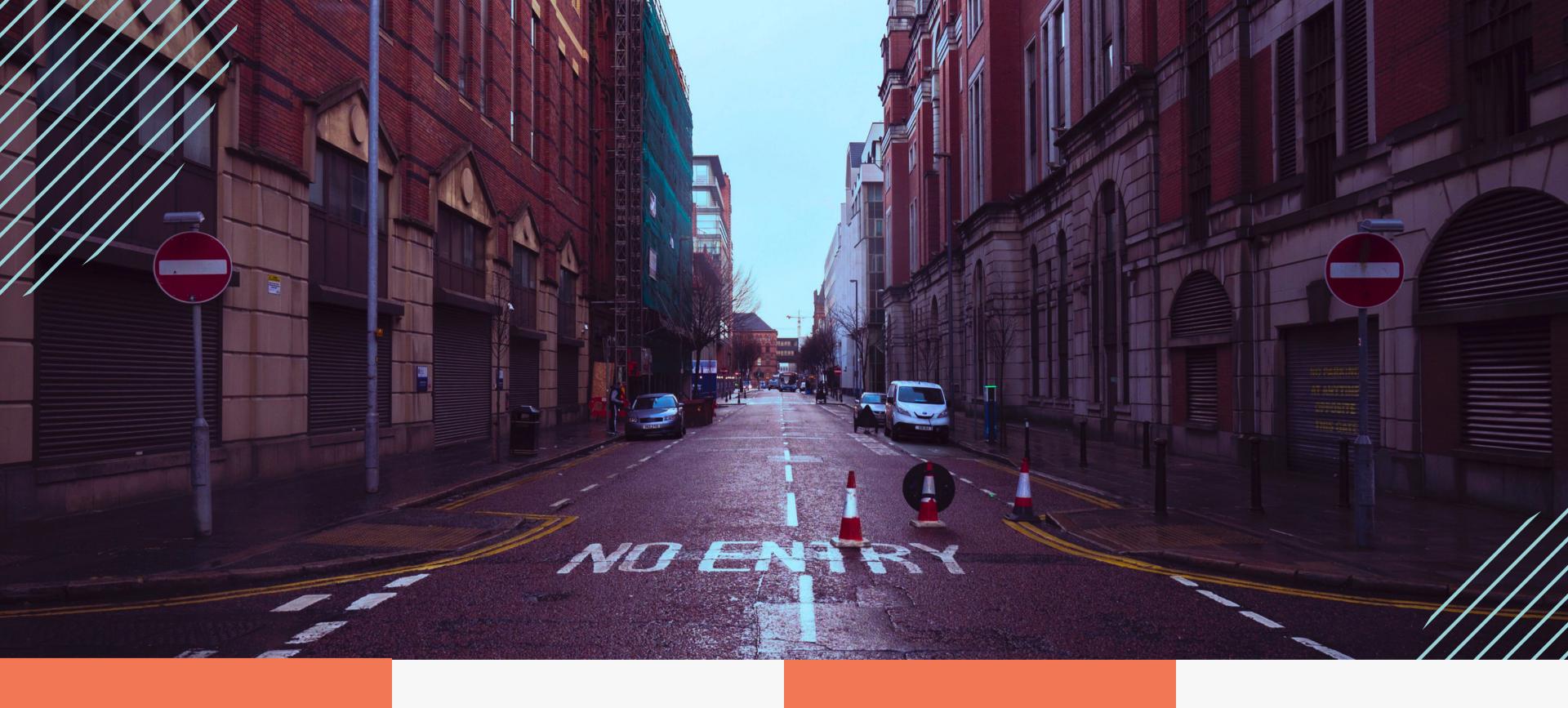




THE COST OF SPATIAL INEQUITY









Limited Resources



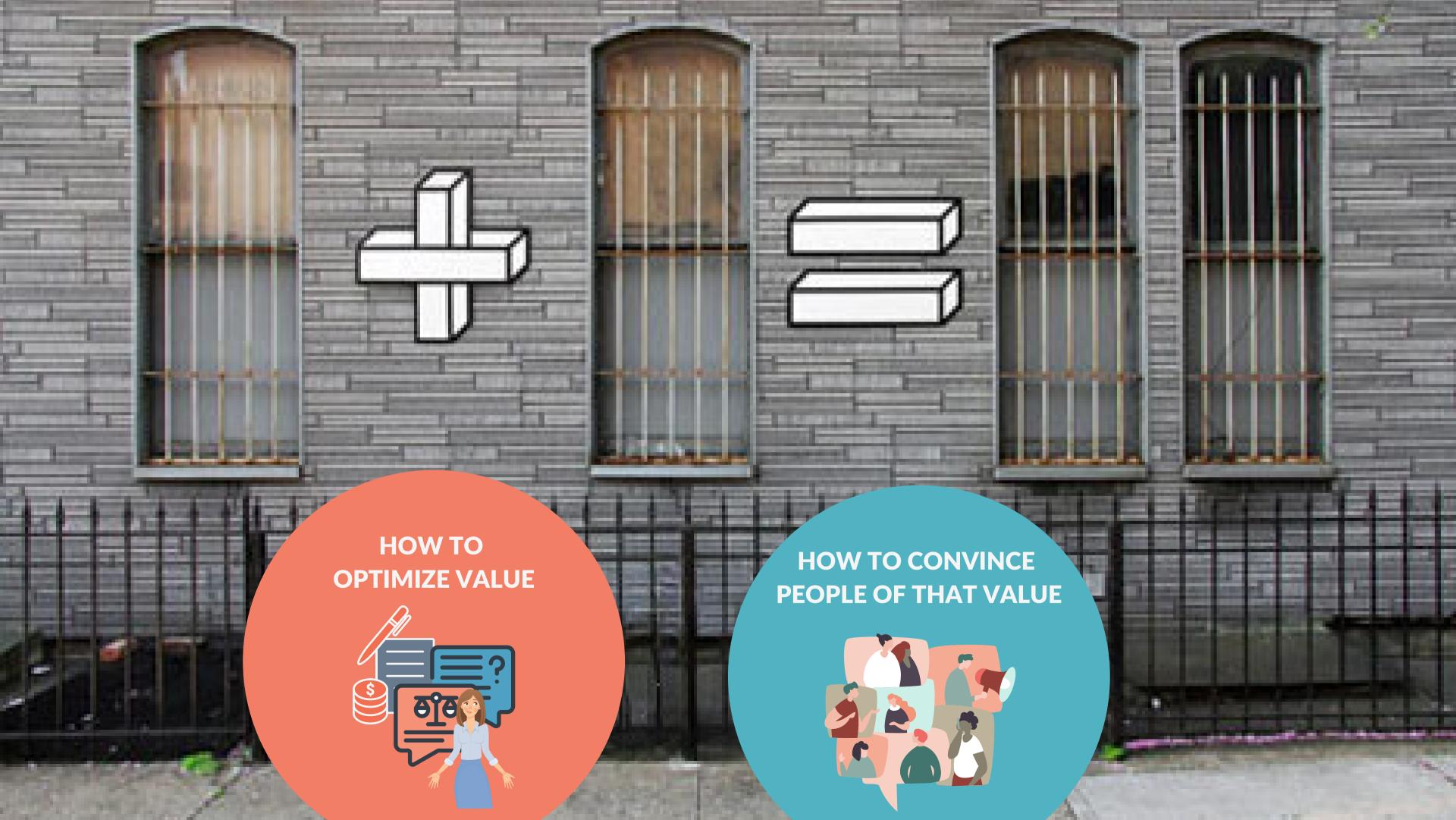
High Levels of Mistrust



Hard to Get to YES



Lack of Coordination



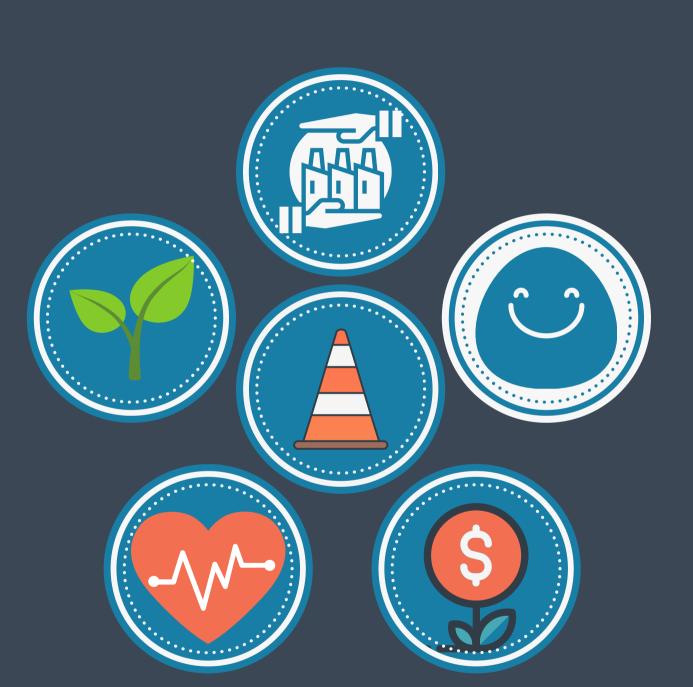
URBAN DESIGN

BEHAVIORS & PERCEPTIONS

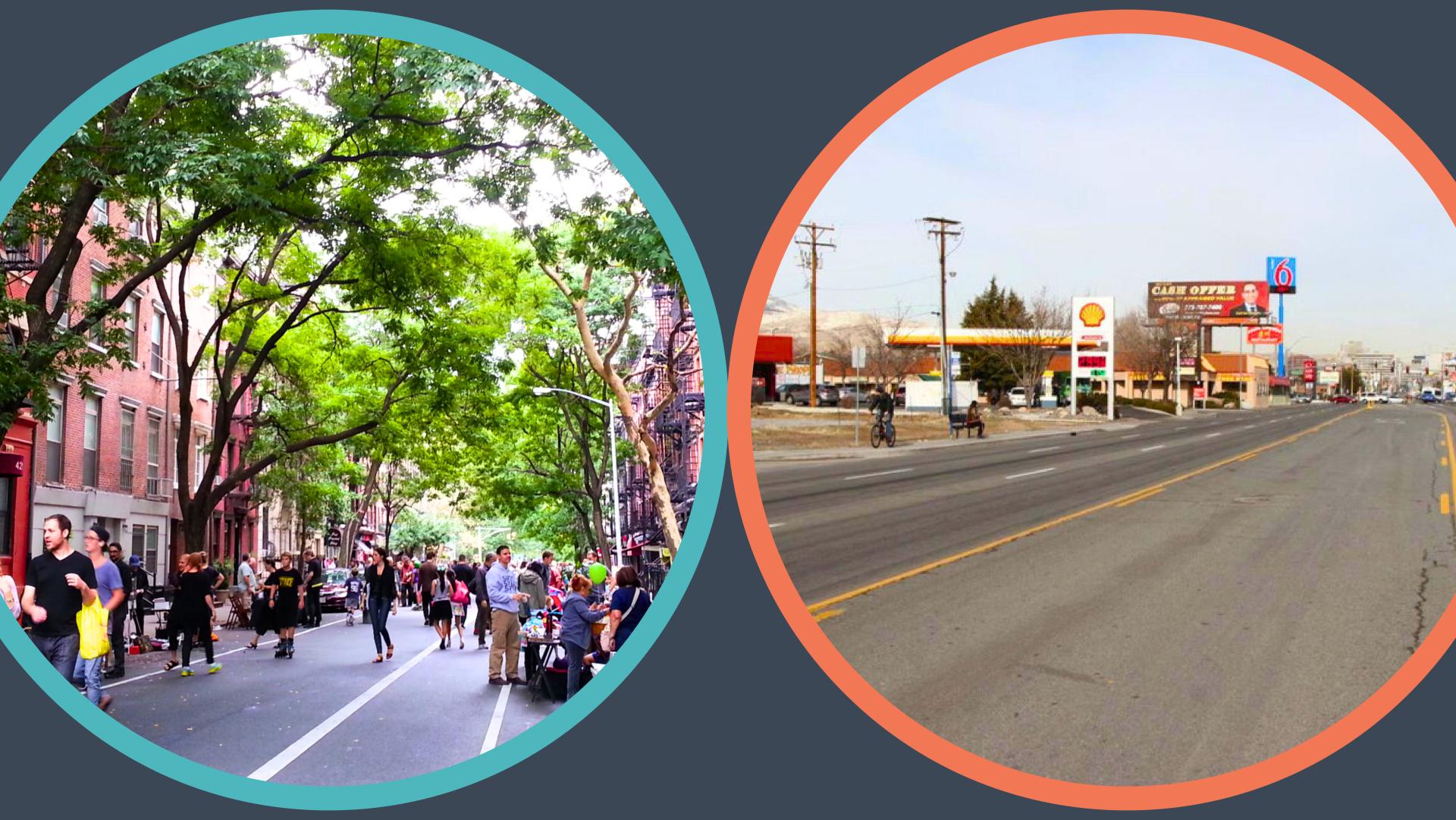
QUALITY OF LIFE





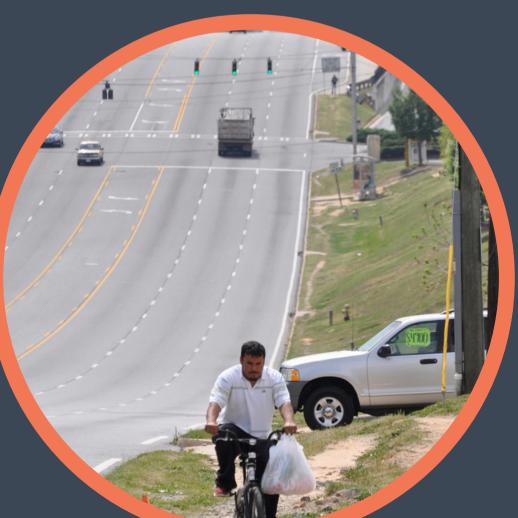


Spatial Justice





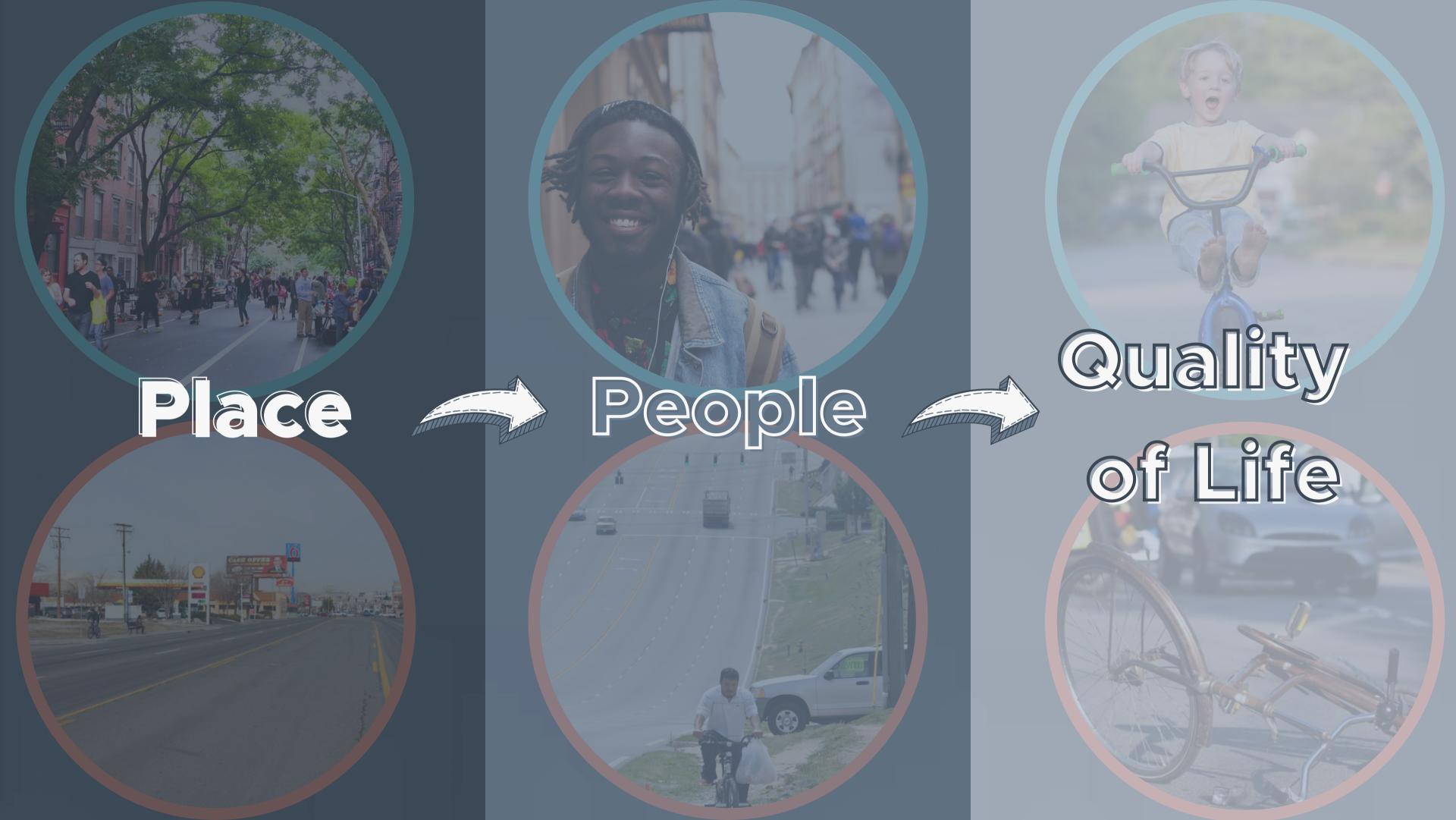


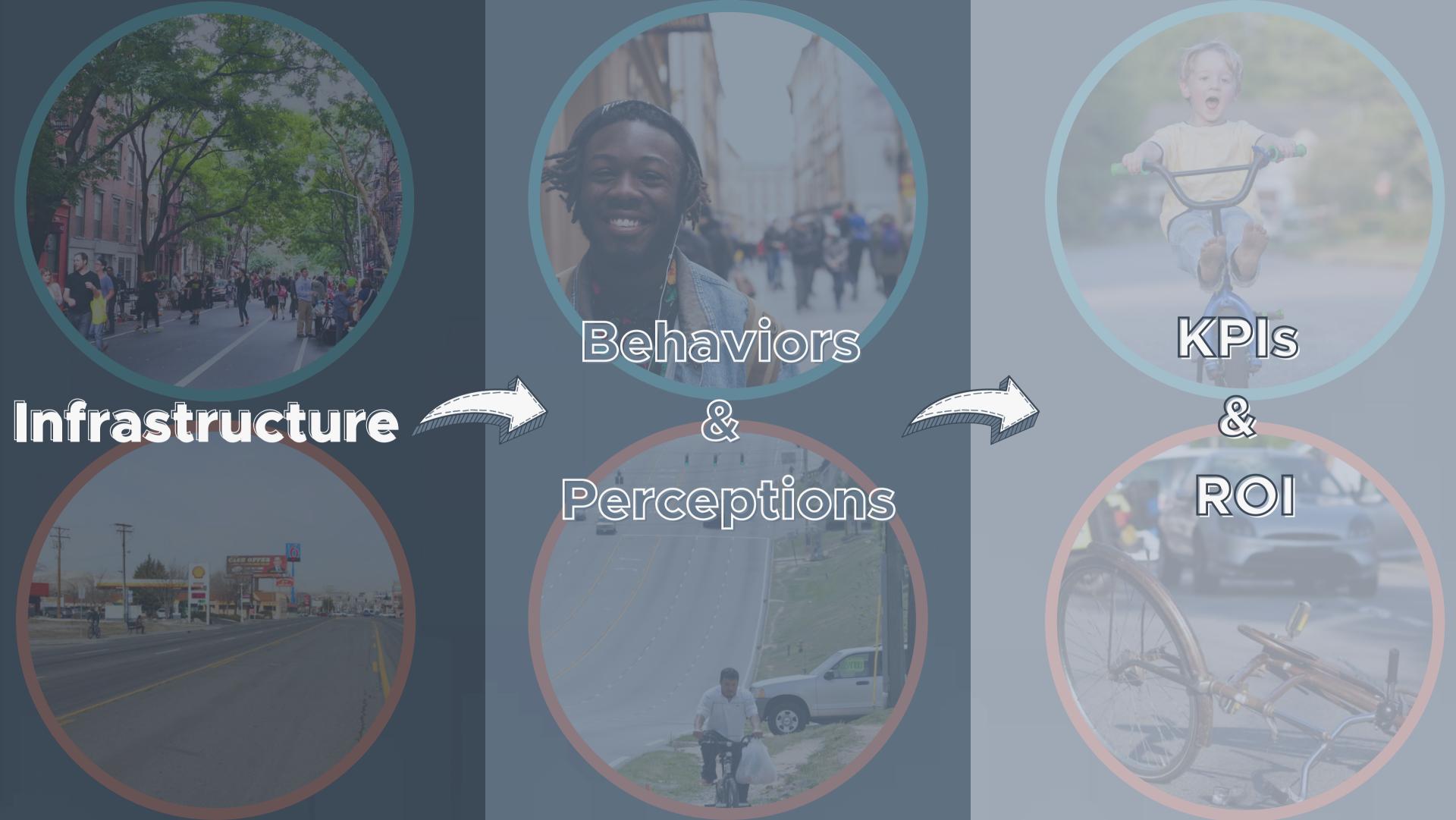






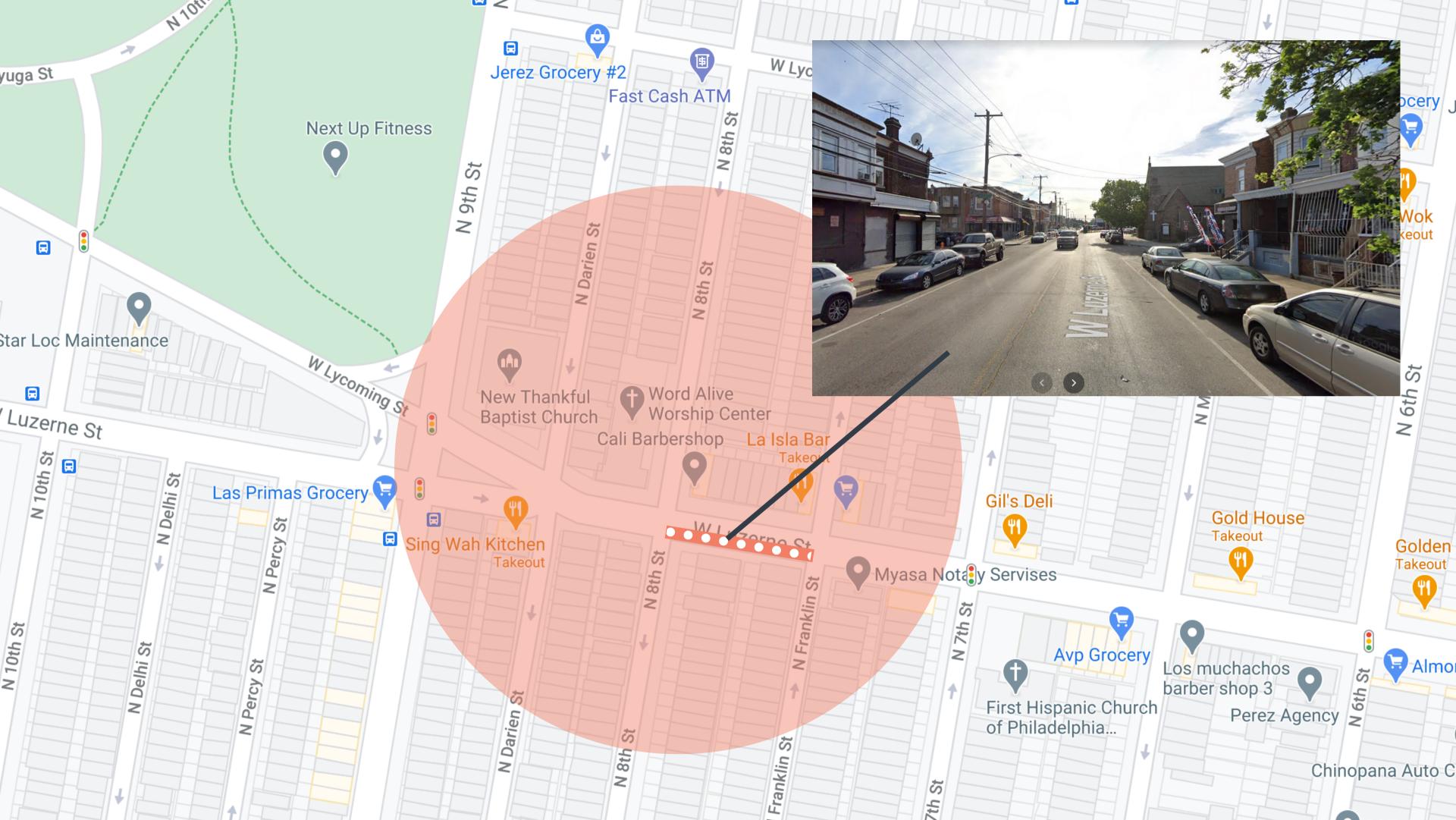


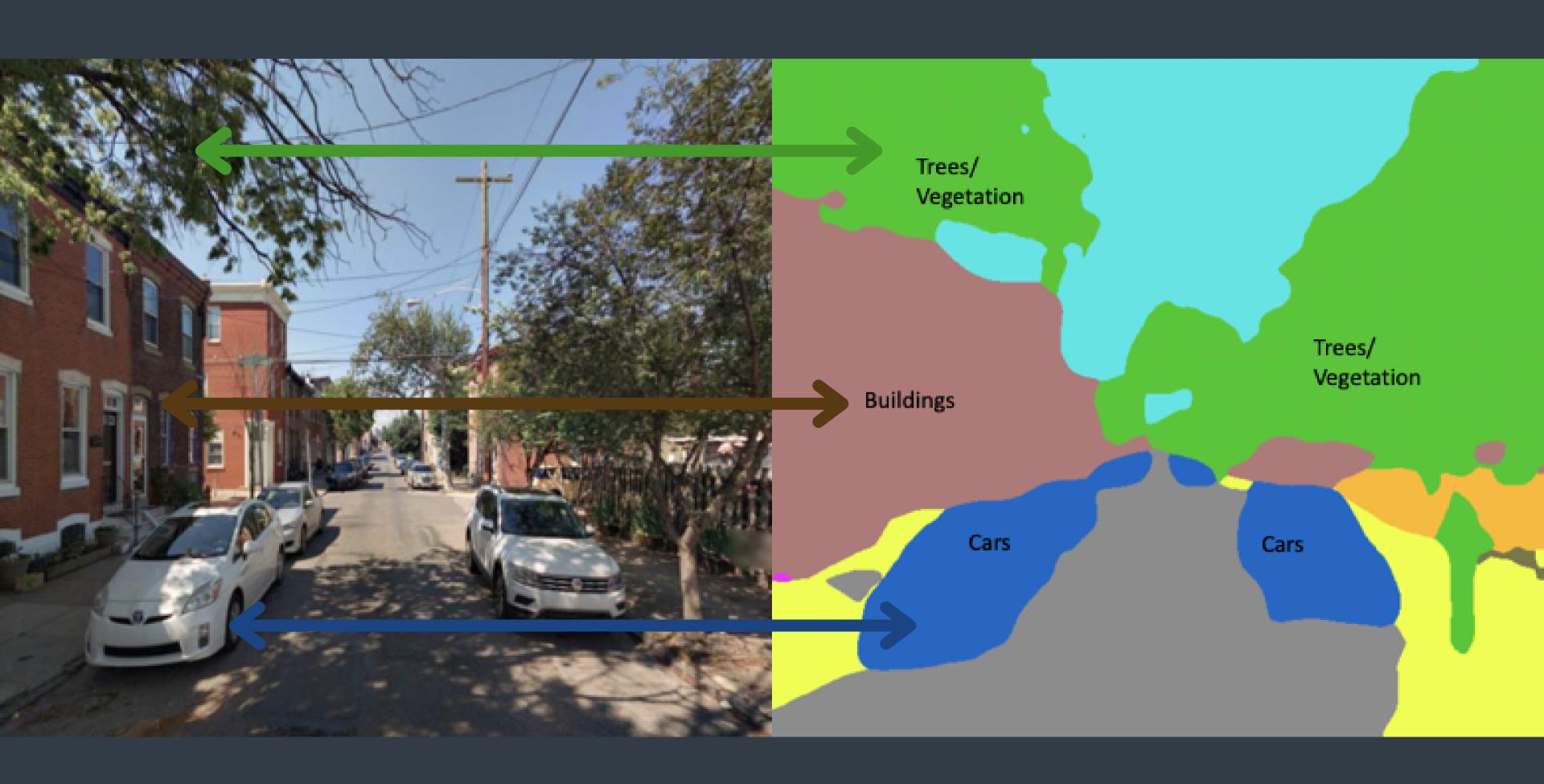














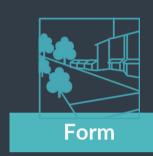
BUILT ENVIRONMENT DATA:



STATE OF PLACE INDEX & 10 DIMENSIONS



Building Compactness & Height



Streetscape Continuity & Enclosure



Ease of Access; Lack of Pedestrian/Bike barriers



Access to Non-Residential Destinations & Diversity of Land Use



Presence, Quality, & Access to Hard & Soft Scape Public Spaces



Presence of Outdoor & Indoor Physical Activity Facilities



Features that Make it Comfortable for Pedestrians & Bicyclists



Quality & Safety of the Intersection; Traffic Calming Features



Urban Design Features that Make Places Dynamic & Inviting



Features that Influence Perceptions of Personal Safety

Downtown Asheville -Street Plans



SELECT LOCATIONS

HEAT MAP

BROWSE DATA

PRIORITIZE

ANALYZE SCENARIOS

FORECAST FINANCIALS

API



My projects ▼ Feedback Help ▼ Account ▼

Browse data

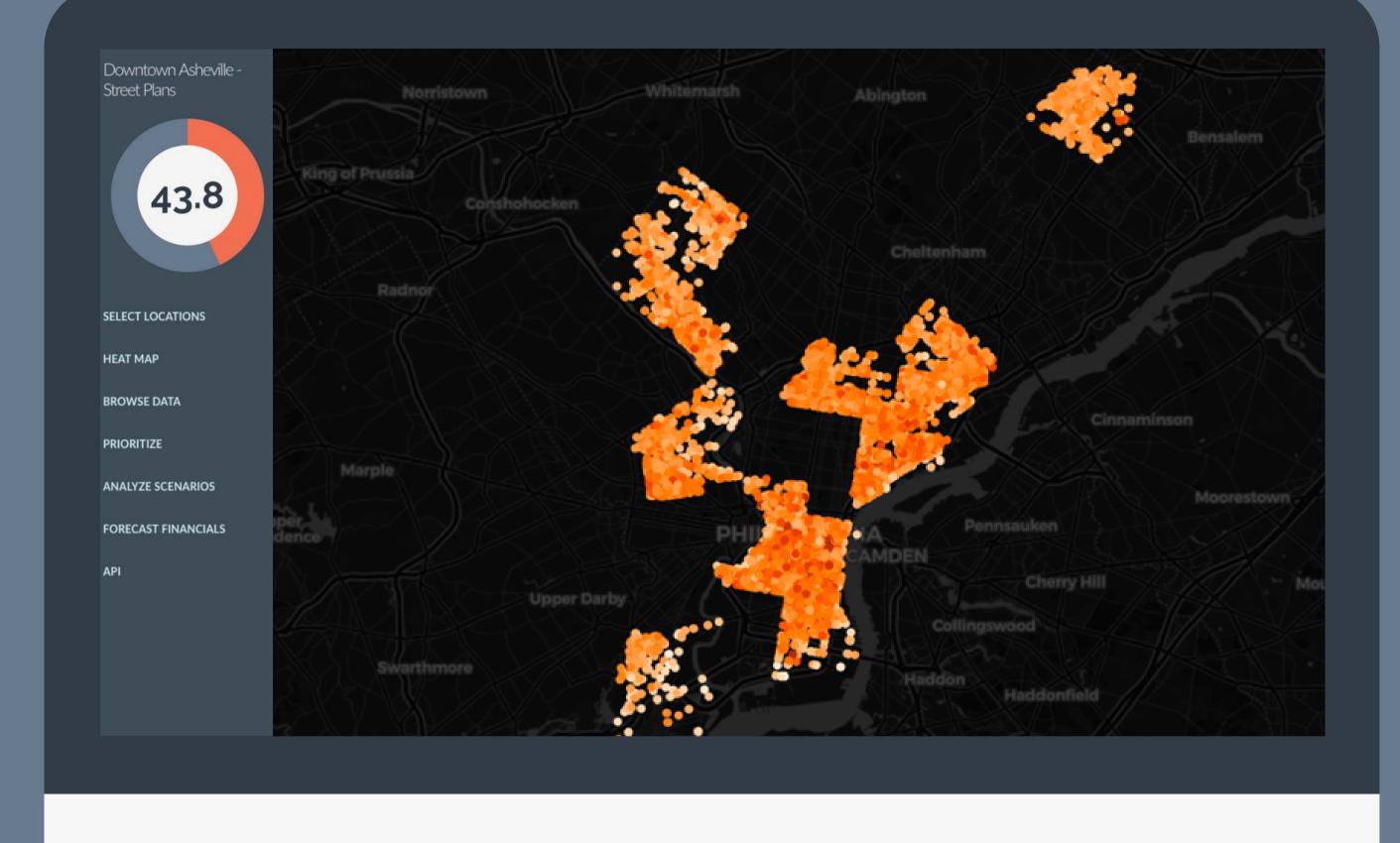
Download report

VIEW DATA FOR

SoP Profile for all blocks in the project

The State of Place Index is composed of ten urban design dimensions empirically known to impact people's decisions to walk. Explore each dimension by clicking on it.





URBAN DESIGN

BEHAVIORS & PERCEPTIONS

QUALITY OF LIFE







Spatial Justice

B | Metropolitan Policy Program

Walk this Way: The Economic Promise of Walkable Places in Metropolitan Washington, D.C.

Christopher B. Leinberger and Mariela Alfonzo

"Emerging
evidence points
to a preference
for mixeduse, compact,
amenity-rich,
transit-accessible
neighborhoods
or walkable
places."

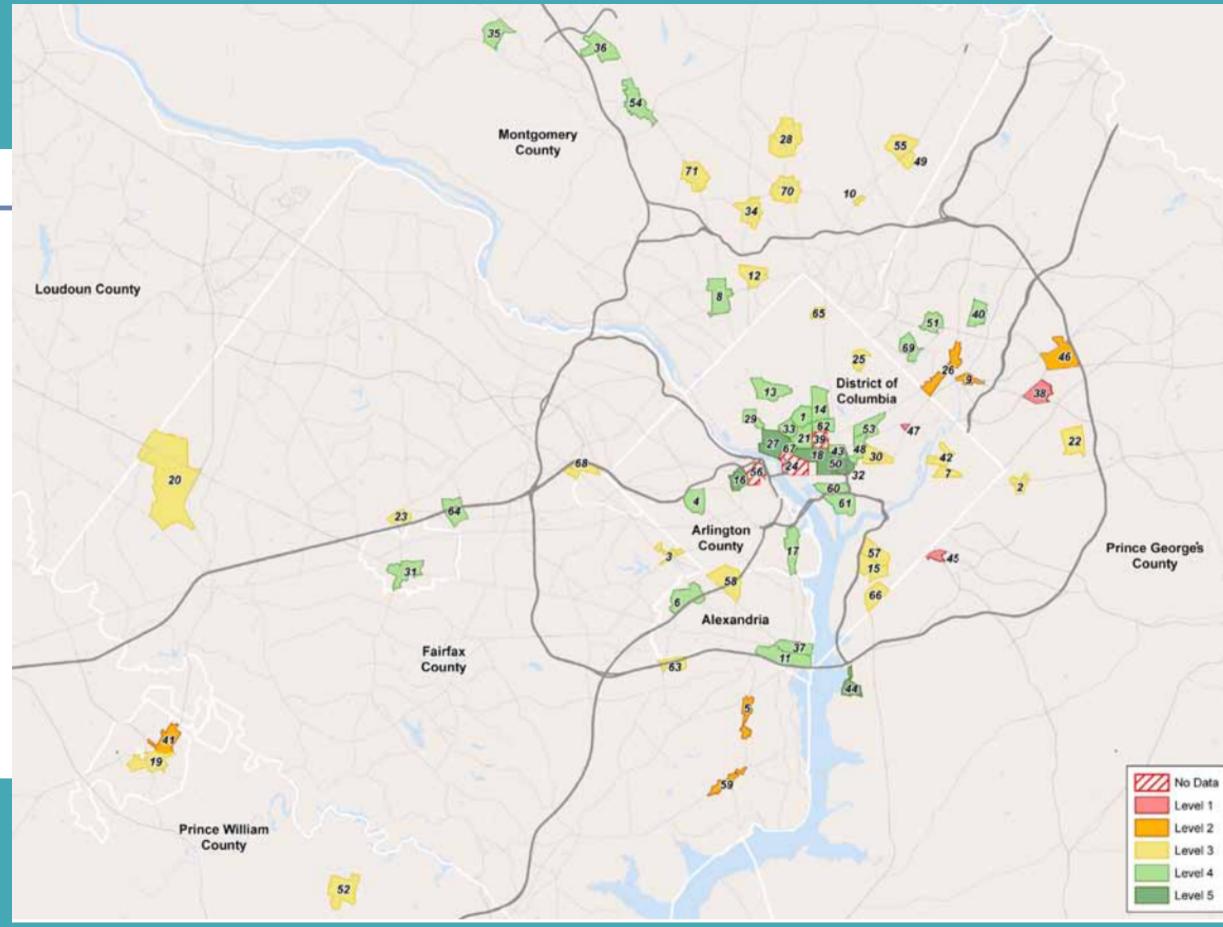
Finding

An economic analysis of a sample of neighborhoods in the Washington, D.C. metropolitan area using walkability measures finds that:

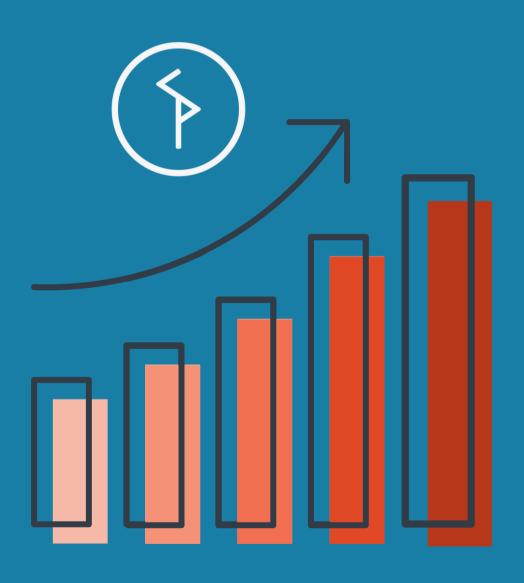
- More walkable places perform better economically. For neighborhoods within metropolitan Washington, as the number of environmental features that facilitate walkability and attract pedestrians increase, so do office, residential, and retail rents, retail revenues, and for-sale residential values.
- Walkable places benefit from being near other walkable places. On average, walkable neighborhoods in metropolitan Washington that cluster and form walkable districts exhibit higher rents and home values than stand-alone walkable places.
- Residents of more walkable places have lower transportation costs and higher transit access, but also higher housing costs. Residents of more walkable neighborhoods in metropolitan Washington generally spend around 12 percent of their income on transportation and 30 percent on housing. In comparison, residents of places with fewer environmental features that encourage walkability spend around 15 percent on transportation and 18 percent on housing.
- Residents of places with poor walkability are generally less affluent and have lower educational attainment than places with good walkability. Places with more walkability features have also become more gentrified over the past decade. However, there is no significant difference in terms of transit access to jobs between poor and good walkable places.

The findings of this study offer useful insights for a diverse set of interests. Lenders, for example, should find cause to integrate walkability into their underwriting standards. Developers and investors should consider walkability when assessing prospects for the region and acquiring property. Local and regional planning agencies should incorporate assessments of walkability into their strategic economic development plans and eliminate barriers to walkable development. Finally, private foundations and government agencies that provide funding to further sustainability practices should consider walkability (especially as it relates to social equity) when allocating funds and incorporate such measures into their accountability standards.

BROOKINGS | May 2012



EACH 20+ INCREASE IN THE STATE OF PLACE INDEX WAS TIED TO:





+\$9/SF



+\$7/SF



+ \$300/UNIT



REVENUES

+80%/SF



HOME VALUES

+\$81/SF





High Vulnerability

19116 Somerton

19124 Juanita, Frankford

19131 Parkside

19140 Hunting Park

19153 Southwest

19134 Kensington, Port Richmond



Mixed Vulnerability

Roxborough 19128

Greys Ferry/Forgotten Bottom 19146

Pennsport/Lower Moyamensing 19148

Fishtown 19125

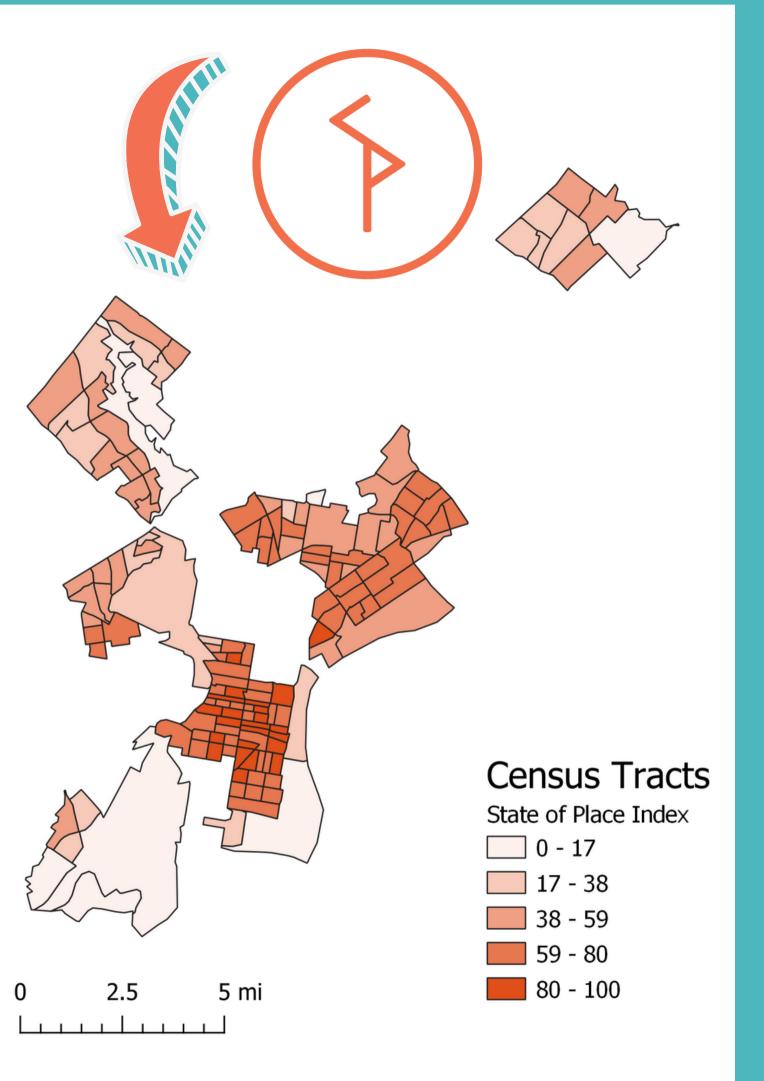
Low Vulnerability

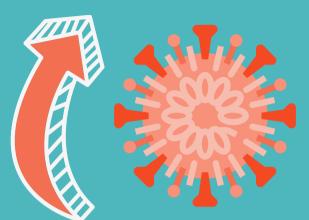
19102,19103,19106,19107 Center City

19130 Fairmount

19147 Queen Village/ Bella Vista/ Passyunk Square

19118 Chestnut Hill















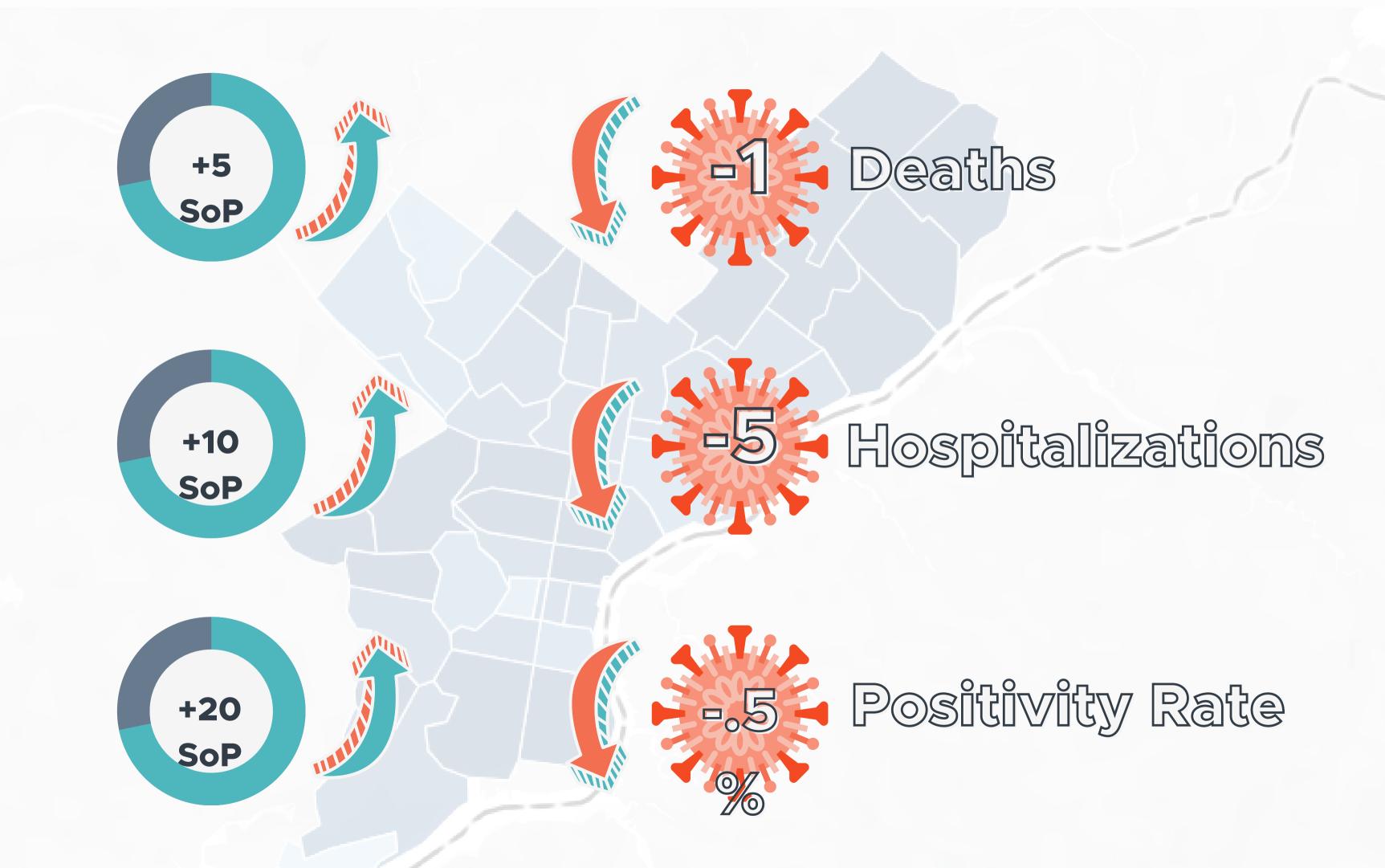














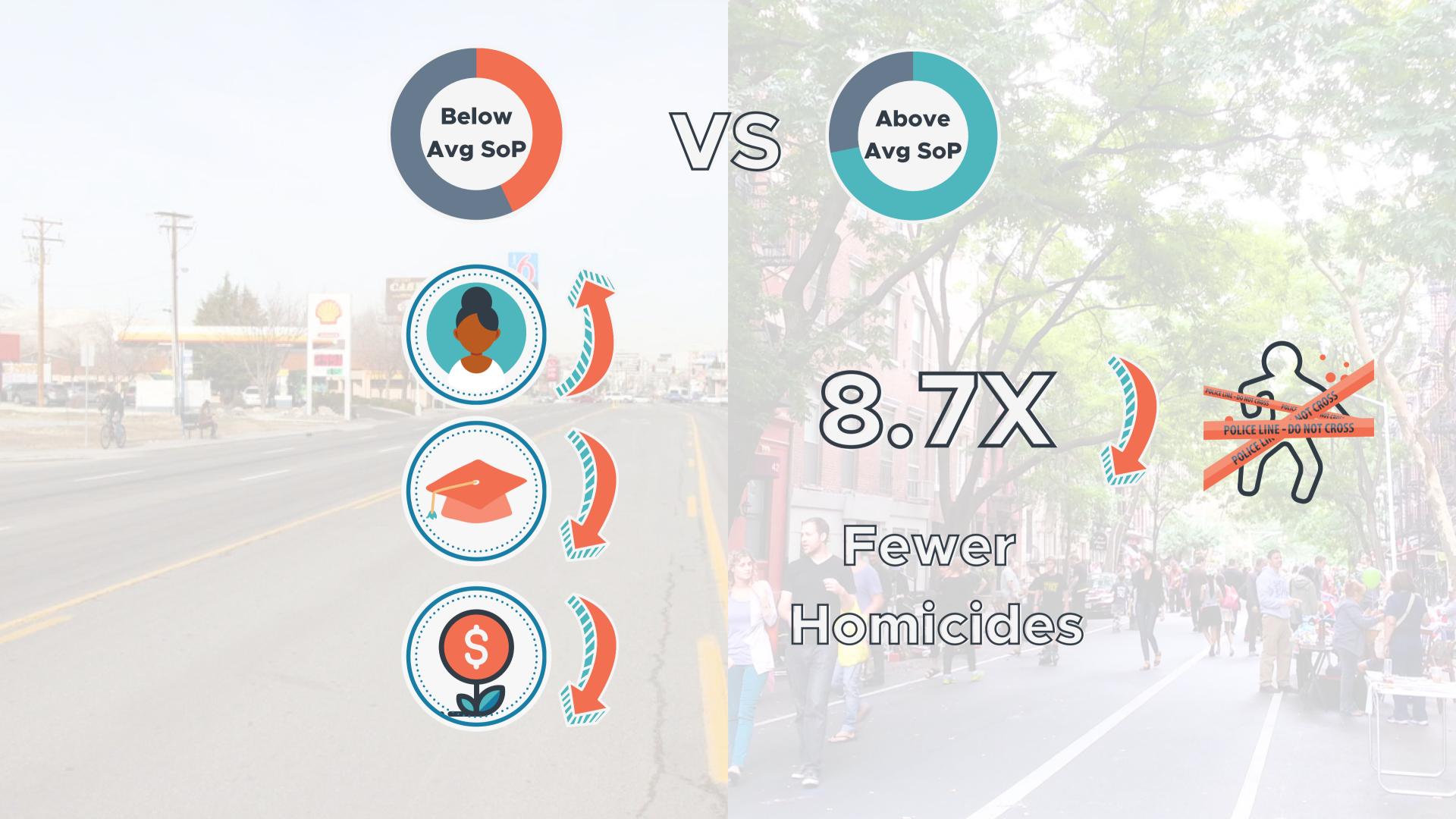


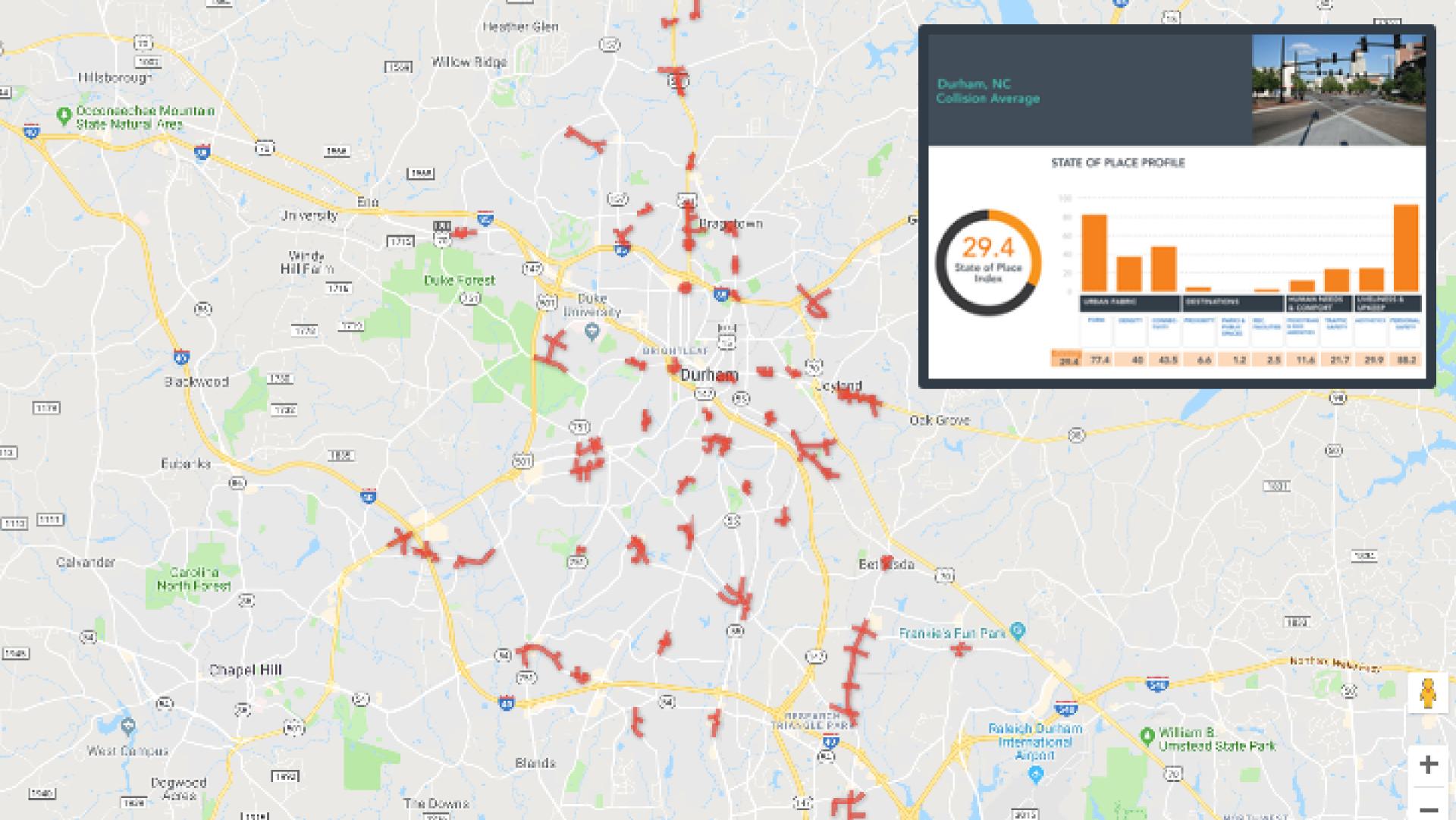
Parks & Public

Spaces



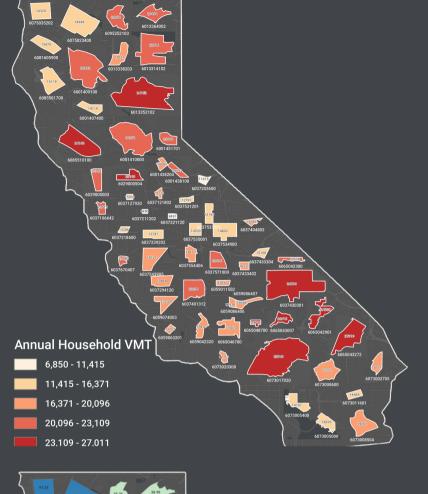
Heat Diff





FOR EVERY POINT INCREASE IN THE
STATE OF PLACE INDEX
THE ODDS OF A COLLISION DECREASE BY

123% ON AVERAGE













HOUSEHOLD INCOME

STATE OF PLACE





VEHICLE ACCESS

TRANSIT ACCESS

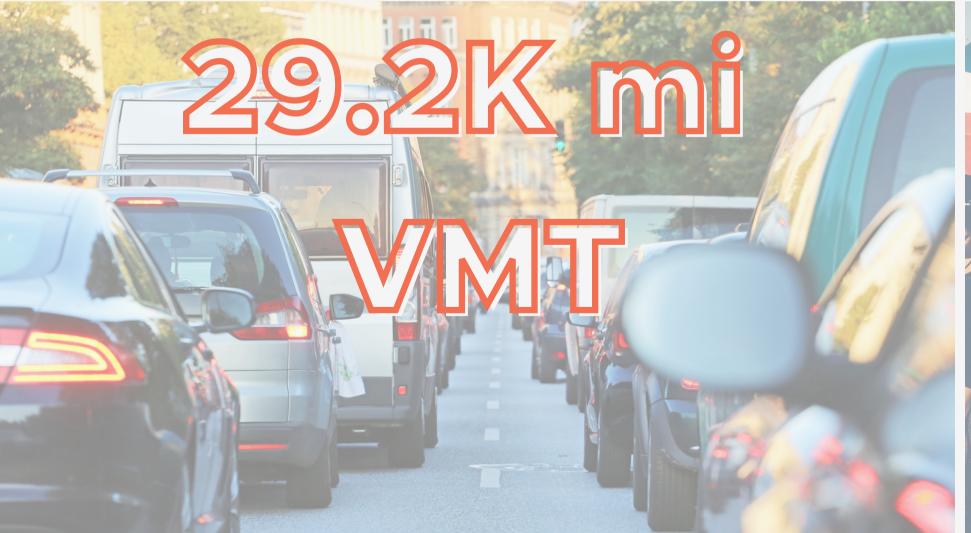




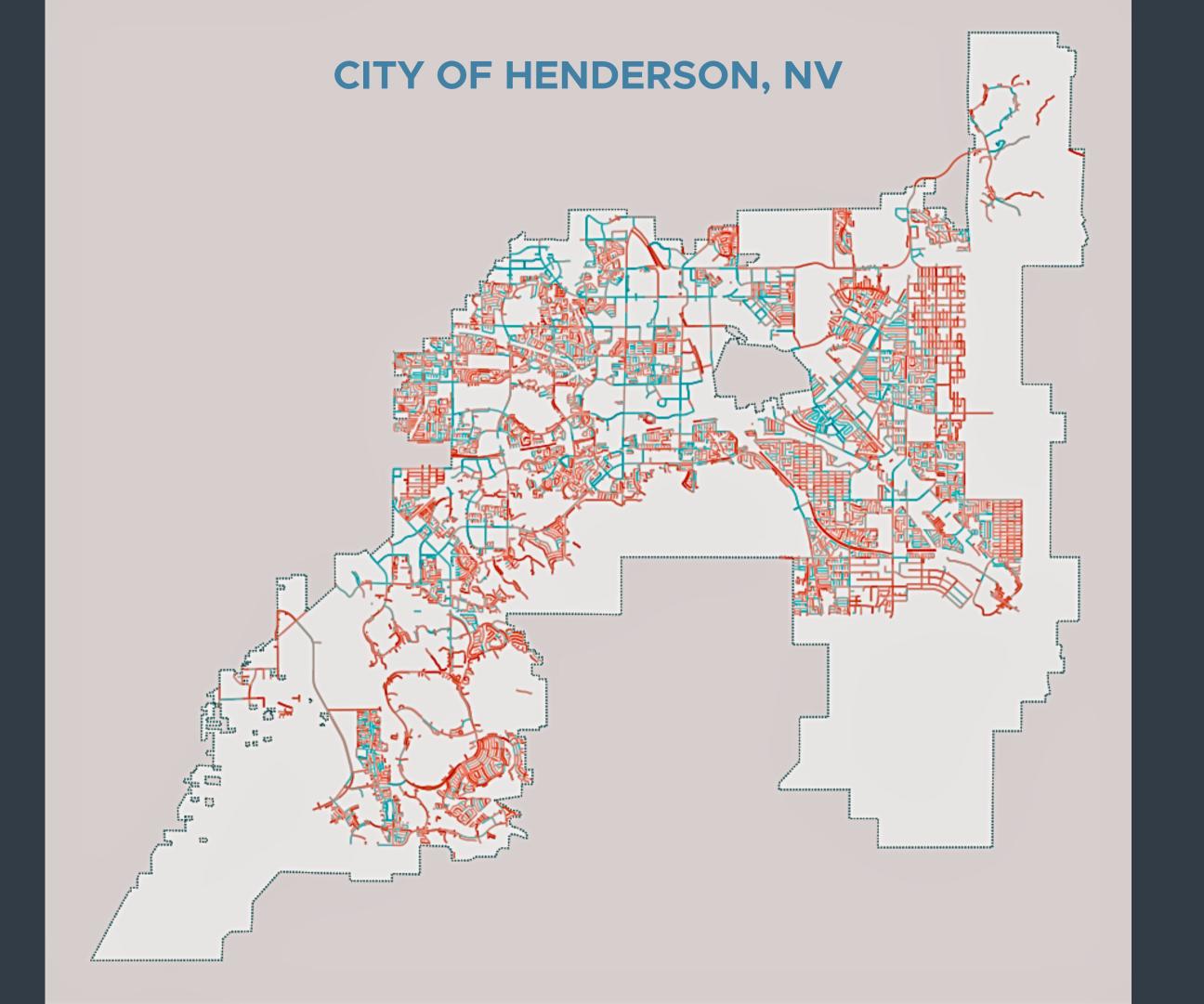
CAL-ENVIRO SCREEN











State of Place & **Assessment Value**





41.1%

State of Place & **Tax Revenues**









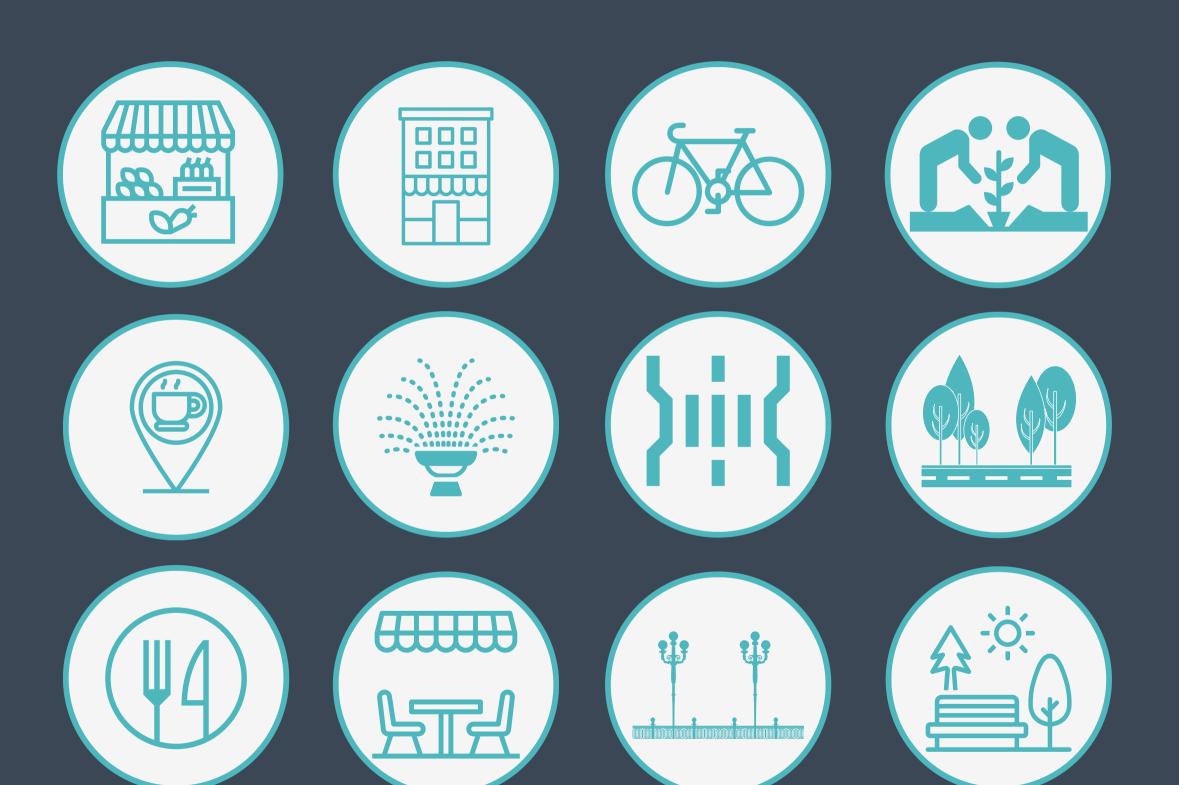
423.3%





ADD

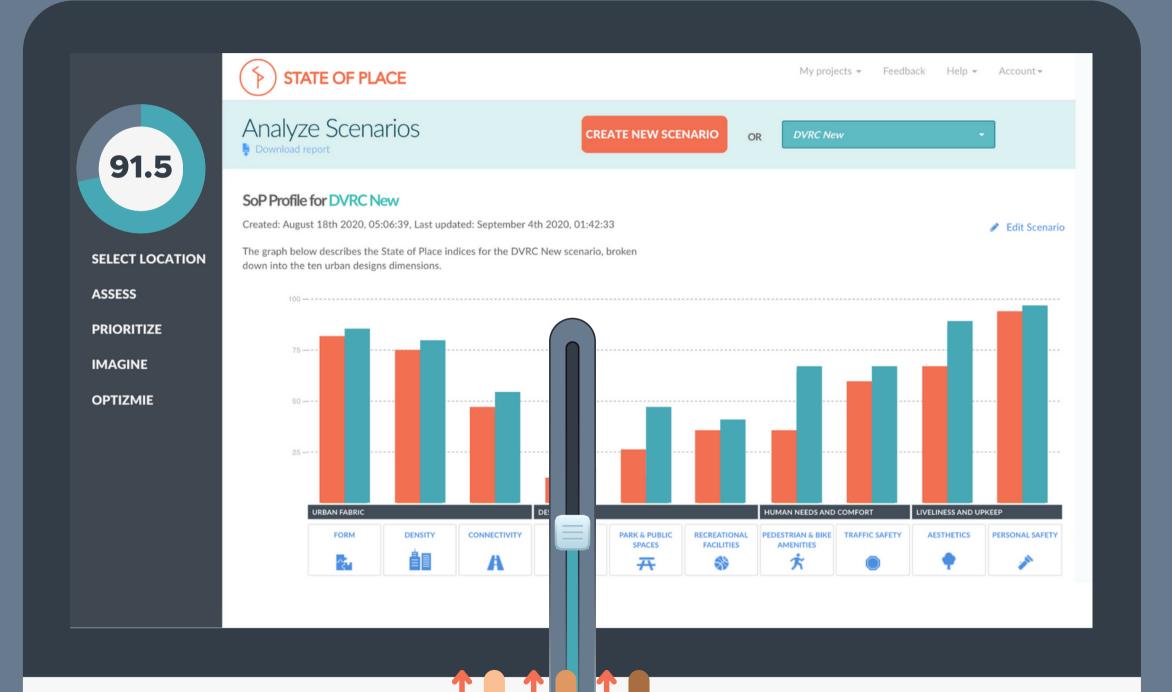
MODIFY



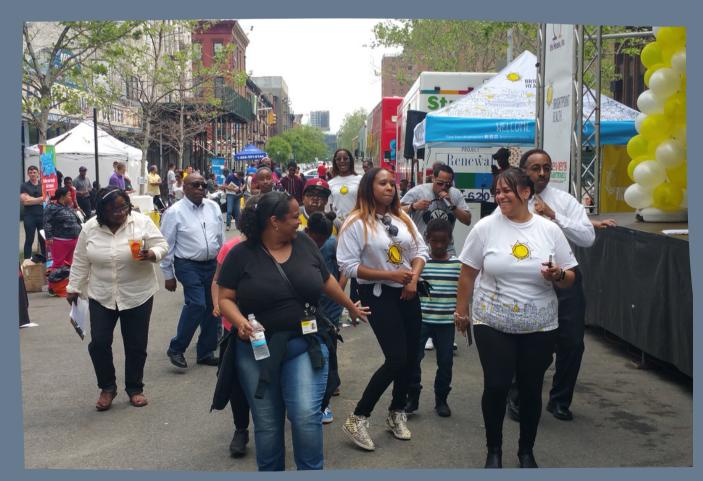
























Downtown Austin



Philly(+42.1)

ELECT LOCATIONS

HEAT MAP

3ROWSE DATA

RIORITIZE

ANALYZE SCENARIOS

ORECAST FINANCIALS

3. Financial Forecast for Philly

Total value captured

\$377,401,453.40

Office Rent

STATE OF PLACE PREMIUM

\$11.51/sq. foot

\$2.52 Additional transit premium

VALUE CAPTURED \$22,059,550.35

\$23,820,307.98 Additional transit premium

Retail Rent

STATE OF PLACE PREMIUM

\$8.76/sq. foot

\$7.30 Additional transit premium

VALUE CAPTURED \$8,054,060.17

\$10,096,746.09 Additional transit premium

ROI (Total Value/Dollar)

\$3.77

Residential For Sale

STATE OF PLACE PREMIUM

VALUE CAPTURED

\$211,467,282.13

\$218,942,084.28 Additional transit premium

\$409.37/unit

\$11,923,603.80 Additional transit premium

Retail Revenues

STATE OF PLACE PREMIUM

\$185.24/sq. foot

\$101.04 Additional transit premium

VALUE CAPTURED

\$134,834,000.00

STATE OF PLACE PREMIUM

\$53.39 Additional transit premium

\$610.48/sq. foot

\$170,198,000.00 Additional transit premium

Residential Rent

\$10.10 Additional transit premium

VALUE CAPTURED \$986,560.75 Downtown Austin



Philly(+42.1)

ELECT LOCATIONS

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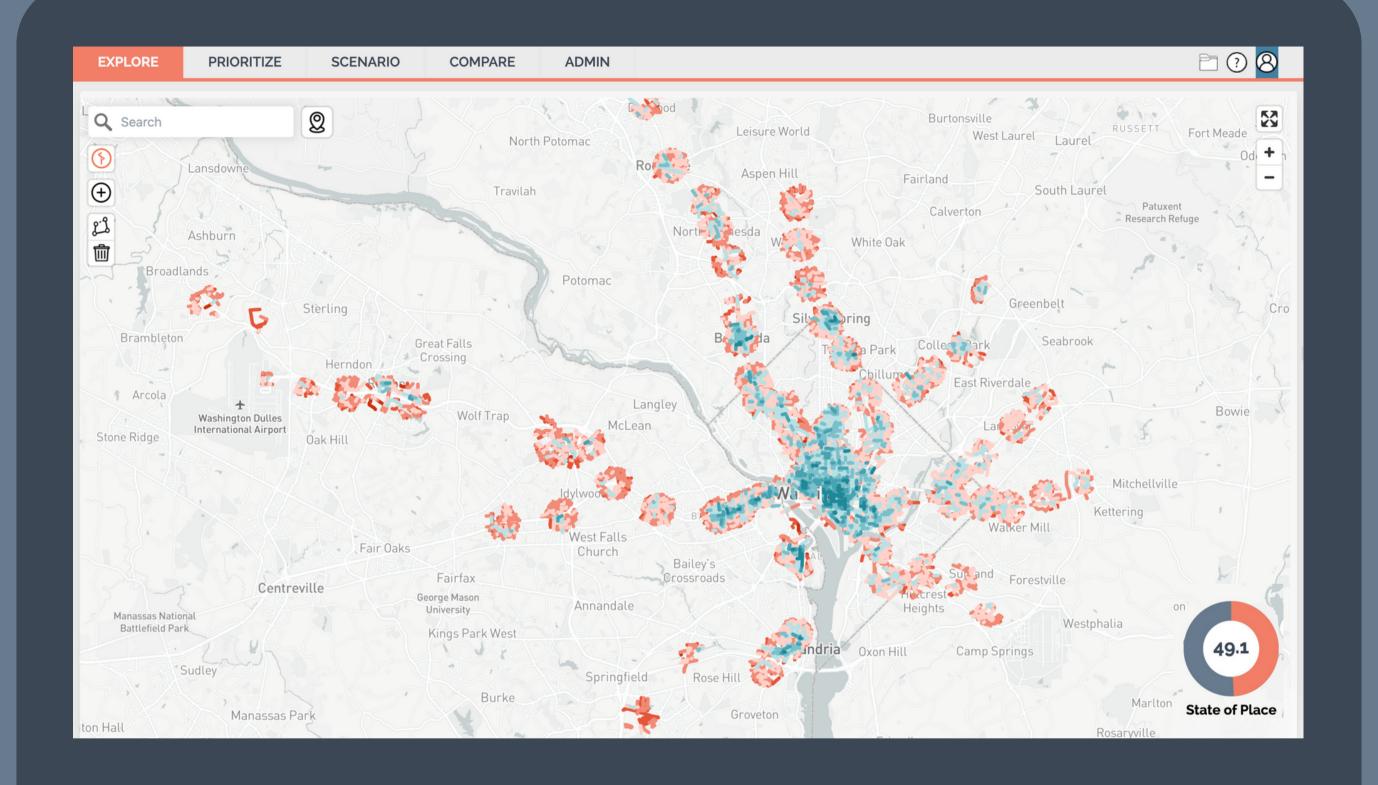
\$986,560.75

\$11,923,603.80 Additional transit premium

VALUE CAPTURED

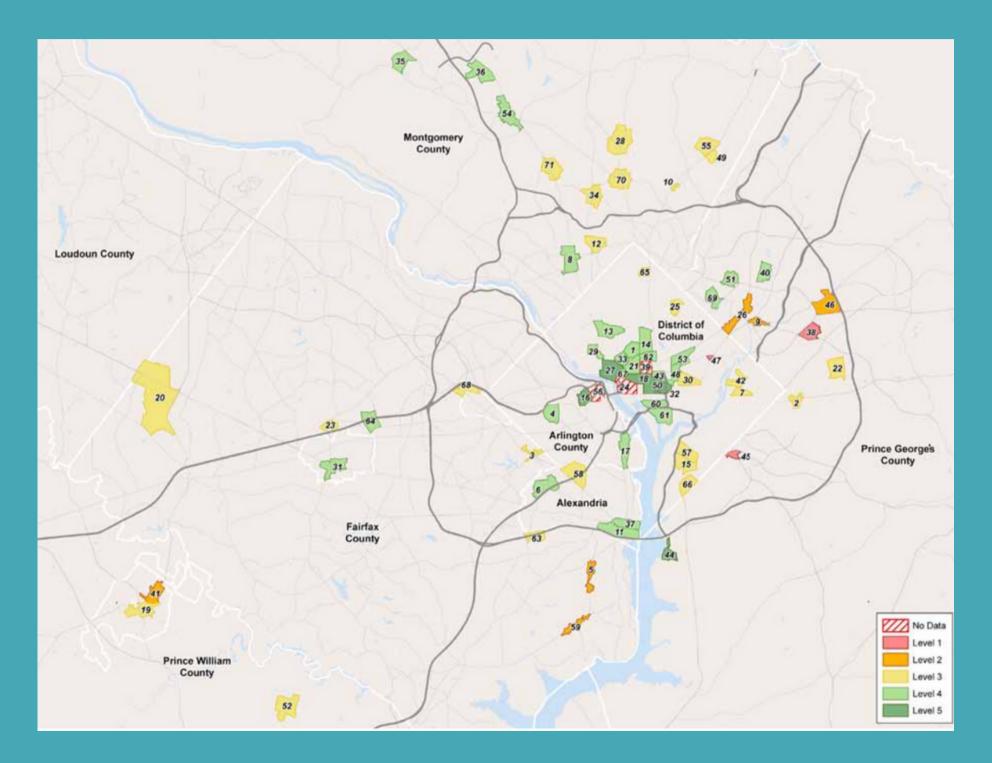
\$211,467,282.13

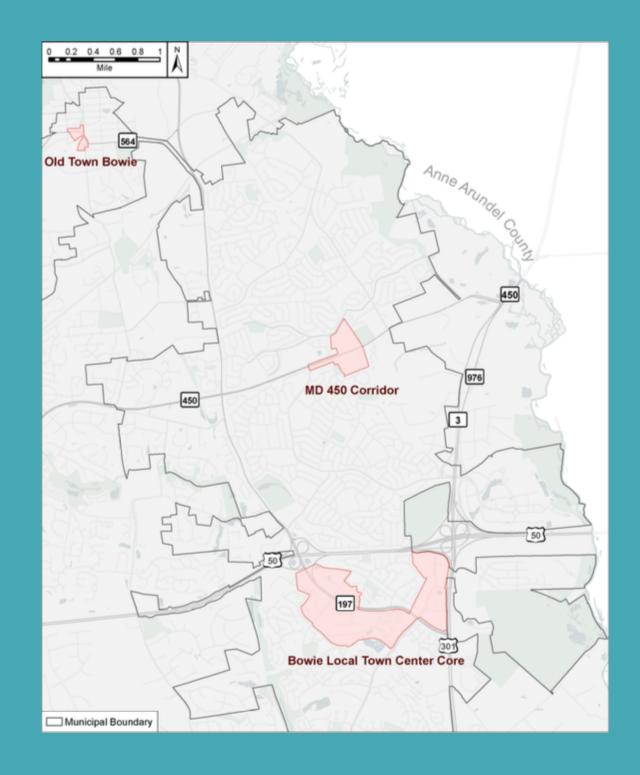
\$218,942,084.28 Additional transit premium





Bowie, MD





EVIDENCE-BASED CITYMAKING SPATIAL JUSTICE



DECISION-MAKING

- **TARGET INVESTMENTS** WHERE NEEDED MOST
- PRIORITIZE MOST EFFECTIVE **INTERVENTIONS**
- FACILITATE TRANSPARENT, **INCLUSIVE PROCESS**
- OPTIMIZE VALUE, EQUITABLY
- **CROSS-CUTTING, COST-EFFICIENT**

COMMUNICATION/CO-CREATION

- **OUTCOME-FOCUSED**
- **EMPATHY-DRIVEN**
- **BUILD TRUST**
- **GET TO YES**
- **COLLABORATIVE**

