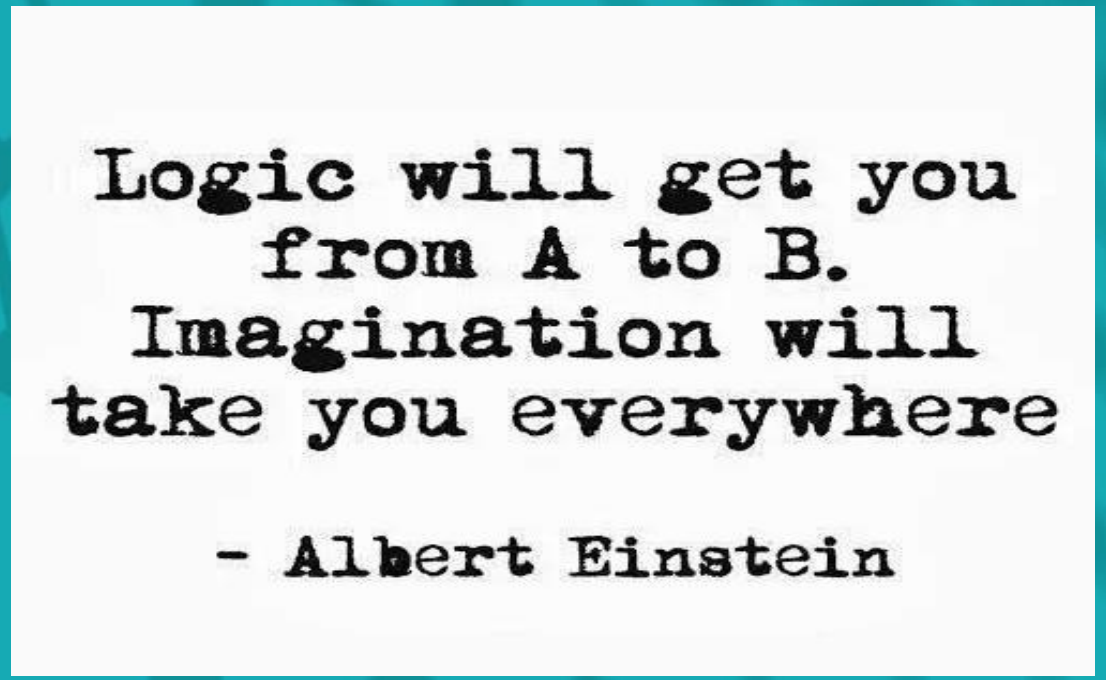
Moving beyond the A to B

MATT ENSOR

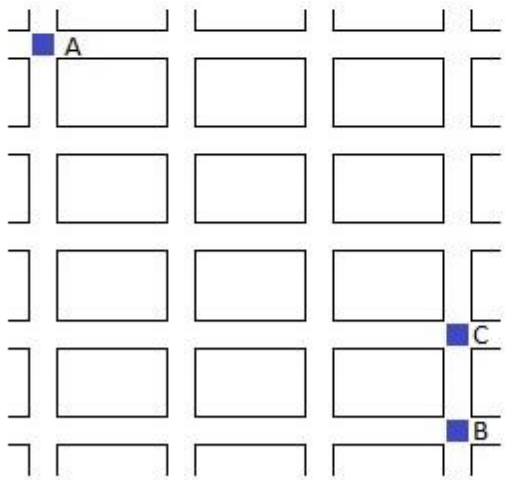
BUSINESS DIRECTOR – ADVISORY

BECA

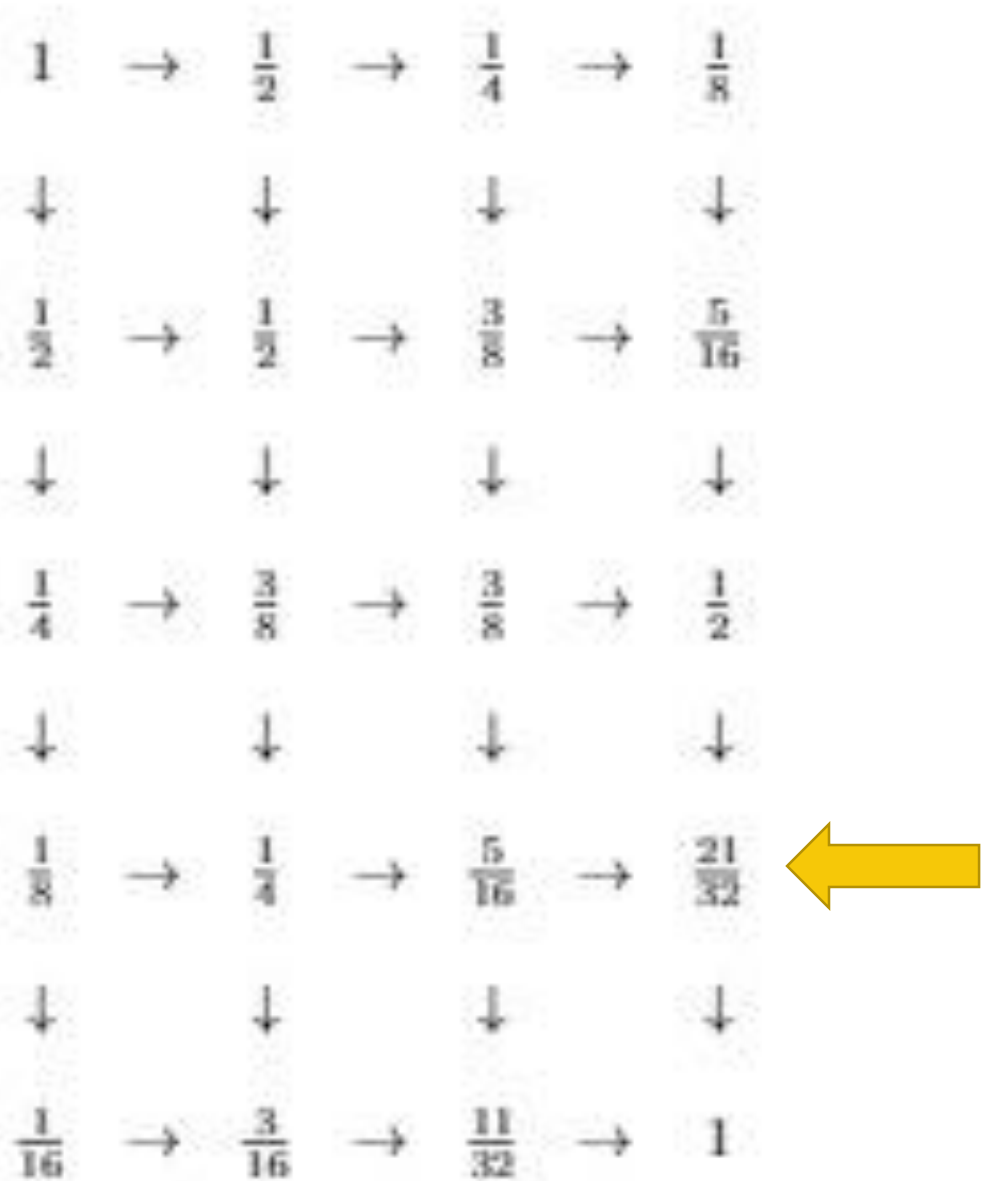
@MATTHEWENSOR



The figure below is a map of part of a city: the small rectangles are blocks and the spaces in between are streets. Each morning a student walks from intersection A to intersection B, always walking along the streets shown, always going east or south. For variety, at each intersection where he has a choice, he chooses with probability $\frac{1}{2}$ *(independent of all other choices) whether to go east or south.*



Find the probability that, on any given morning, he walks through intersection C.

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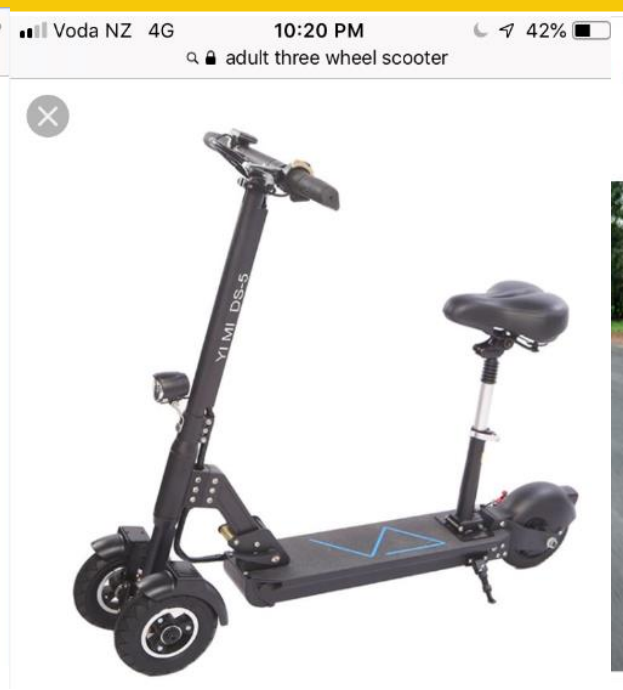

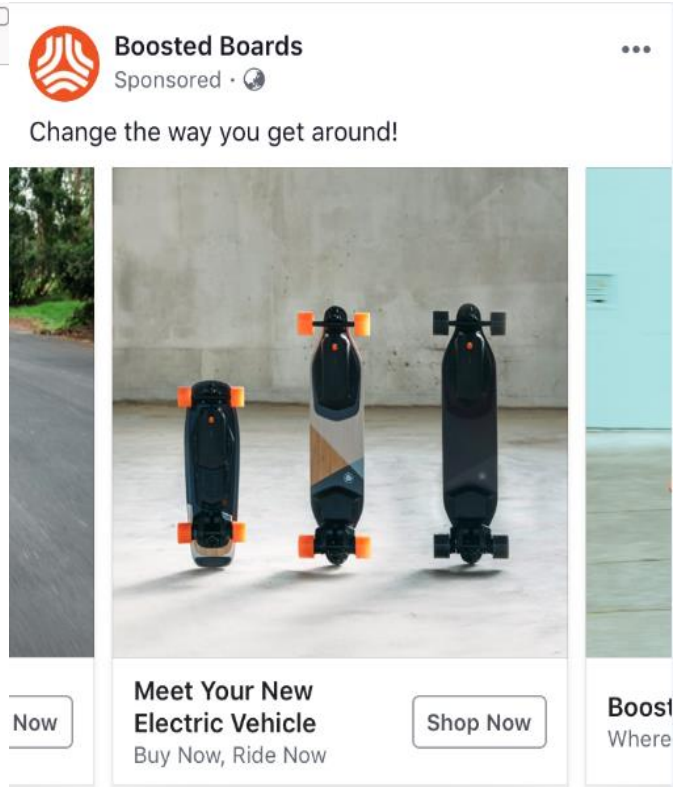

Organic Transit @Organi
What micromobility looks
solutions are designed for
@oliverbruce @James_Gr
@michalnaka @SafeSelfD

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CLEVR FORZA

Automotive Grade Intelligent Electric Scooter

Description

The **CLEVR FORZA** is the first electric scooter developed to an automotive standard. Its 3-wheel stability offers a more approachable ride for most ages and skill levels. Connected IoT features include network controlled real-time geofencing, variable speed control and precise parking management.

Uses

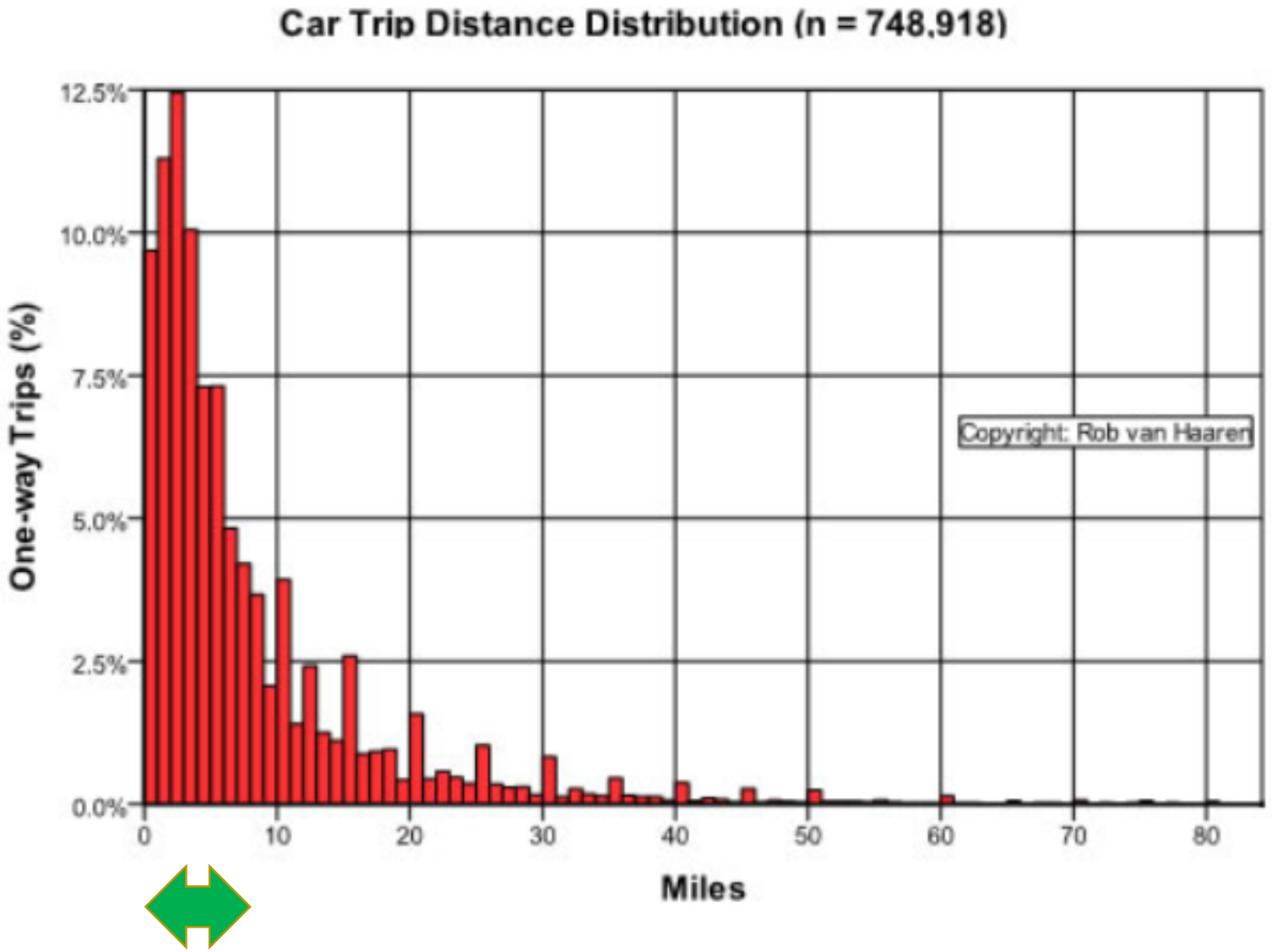
- Shared Mobility
- Public Transit Integration
- Tourism
- Hospitality
- Educational/Corporate Campus
- Event Management
- Facility Management
- Law Enforcement
- Commuting

Certifications & Ratings

Vehicle Wet Rating: IP65
Battery Wet Rating: IP65
Battery Certification: CE, UL
Vehicle Certification: UL, RoHs/Reach, LVD

Features

- 3-Wheel Stability
- Built-In Color Display
- Smartphone Mount
- RFID Payment Compatible
- Bluetooth Enabled
- Adjustable Top Speed (Up To 25 MPH/40 KPH)
- Over 30 Mile / 50 Km Range
- Swappable & Trackable Battery
- CLEVRNav Precise GPS Tracking – Within 3 Ft
- LED Accent Safety Accent Lighting on Handlebar Assembly & Scooter Frame
- Built-In 2000 Lumen Daytime Running Headlight
- Rear Flashing Brake Lights
- Integrated Basket with Cup Holders for Light Cargo
- Speaker & Siren
- Geo-Fence settings – Speed, Location & Parking
- Remote Wheel Locking Activation
- Integrated Bell
- 2-Point Parking Stand
- Extra Wide Deck for Side-by-Side Stance
- No Exposed Cables or Wiring


Car Trip Distance Distribution (n = 748,918)
One-way Trips (%)
12.5%
10.0%
7.5%
5.0%
2.5%
0.0%
0
10
20
30
40
50
60
70
80
Miles
Copyright: Rob van Haaren


Lime-S
Lime-S

The Changing Face of Transport in New Zealand
3–6 March . Wellington . Te Papa

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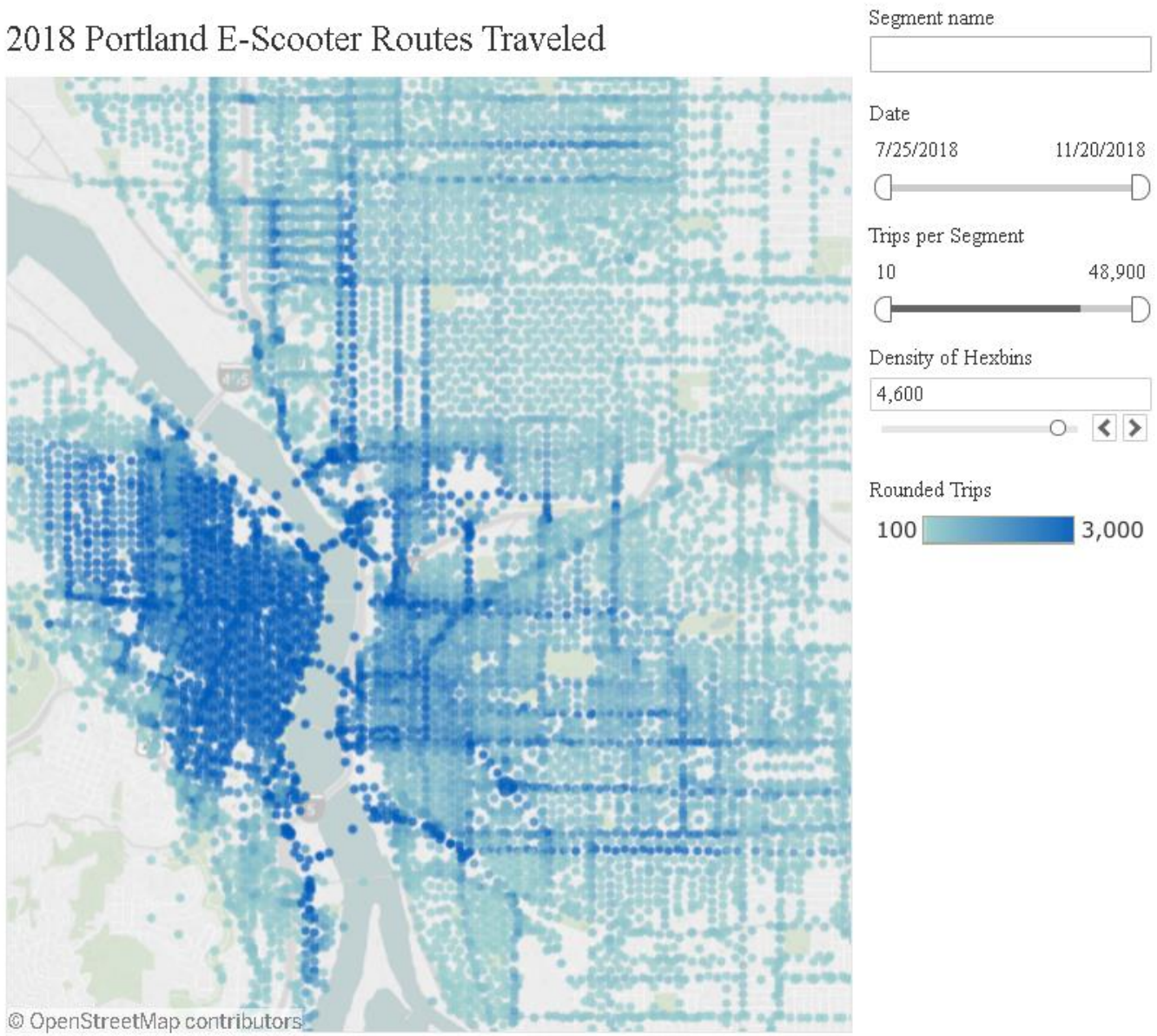
E-Scooter Routes Traveled Interactive Map



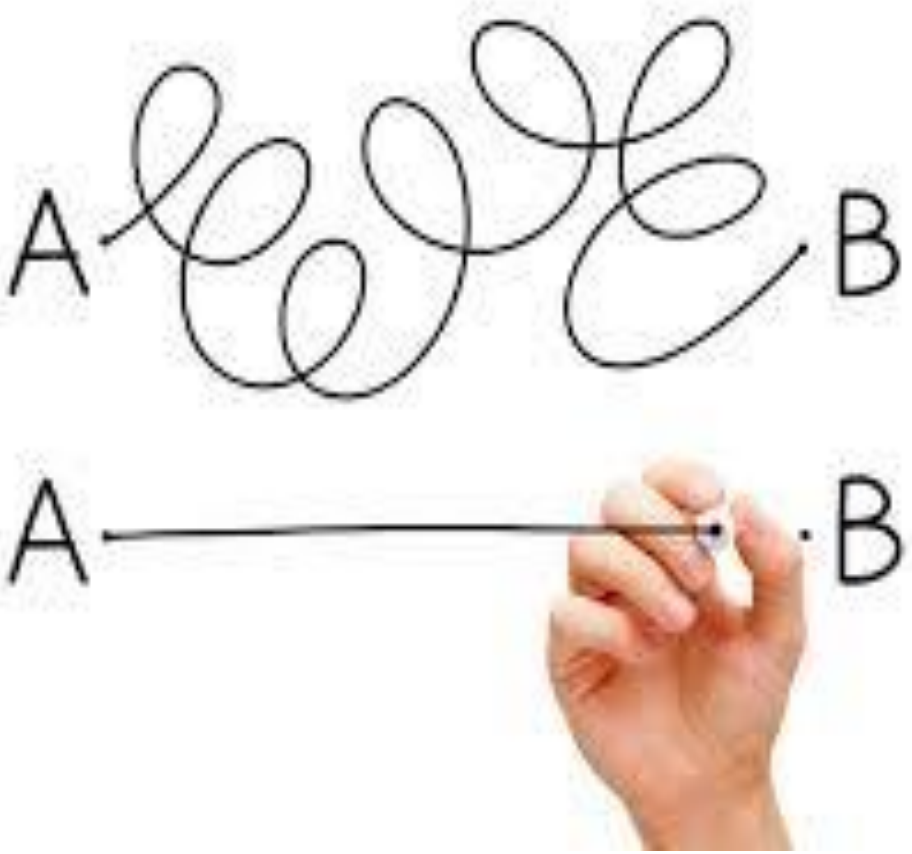
https://www.portlandoregon.gov/transportation/78431

Description: Informed by company-provided route data, this map shows routes travelled by e-scooter riders most often. Darker blue dots signify more trips taken on that street segment. **Many of the heaviest utilized routes –** including NE Going Street, SE 122nd Avenue, NW Johnson, SW Naito Parkway, and the Willamette Greenway Trail **– are also a part of Portland's bikeway network.**

It is clear e-scooters were utilized in East Portland, where the City required companies to deploy at least 100 scooters per day.

Portland Trial

- E-scooter users preferred riding on low-speed streets and in bike lanes. Many of the highest utilized streets were part of Portland's bikeway network.
- Staff observations also found lower rates of sidewalk riding on low-speed streets or those with dedicated space for non-motorized users. **Users ranked bike lanes as their preferred road type, and sidewalks last.**



Moving Beyond the A to B

The tradition of transport planning has been to look at land use, the origins and destinations for trips, and provide the necessary routes, capacity and mode options for people to get from “A’ to “B”.

However as transport technology and the expectations of communities and transport users change, **a focus on the transport journey itself will start to influence how we design the transport network**.

Street Appeal

The value of street improvements Summary Report

Report prepared by UCL as a commission from Transport for London

TRANSPORT FOR LONDON

EVERY JOURNEY MATTERS

http://www.place-value-wiki.net

The Changing Face of Transport in New Zealand

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Beca

10 Healthy Street Indicators™

Everyone feels welcome

People to choose to walk and cycle

People feel relaxed

Easy to cross

Clean air

Not too noisy

Places to stop and rest

People feel safe

Things to see and do

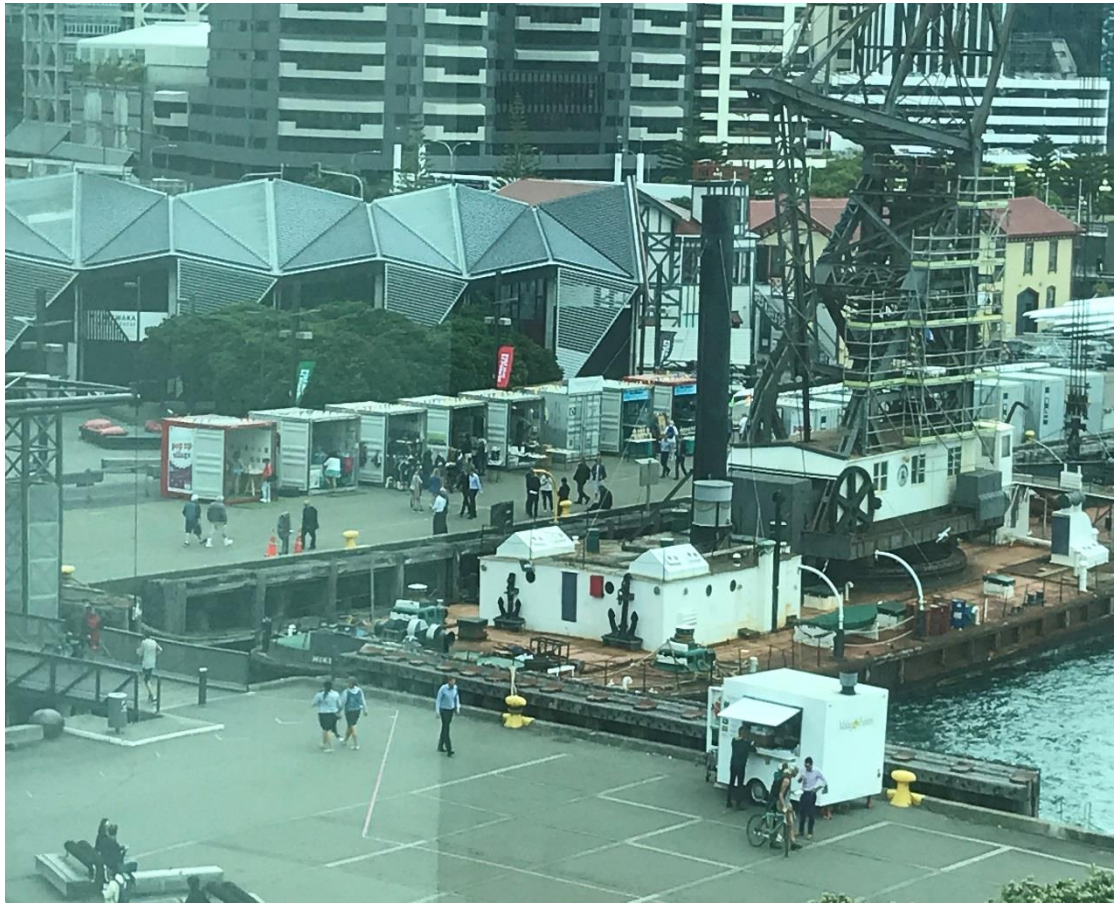
Shade and shelter

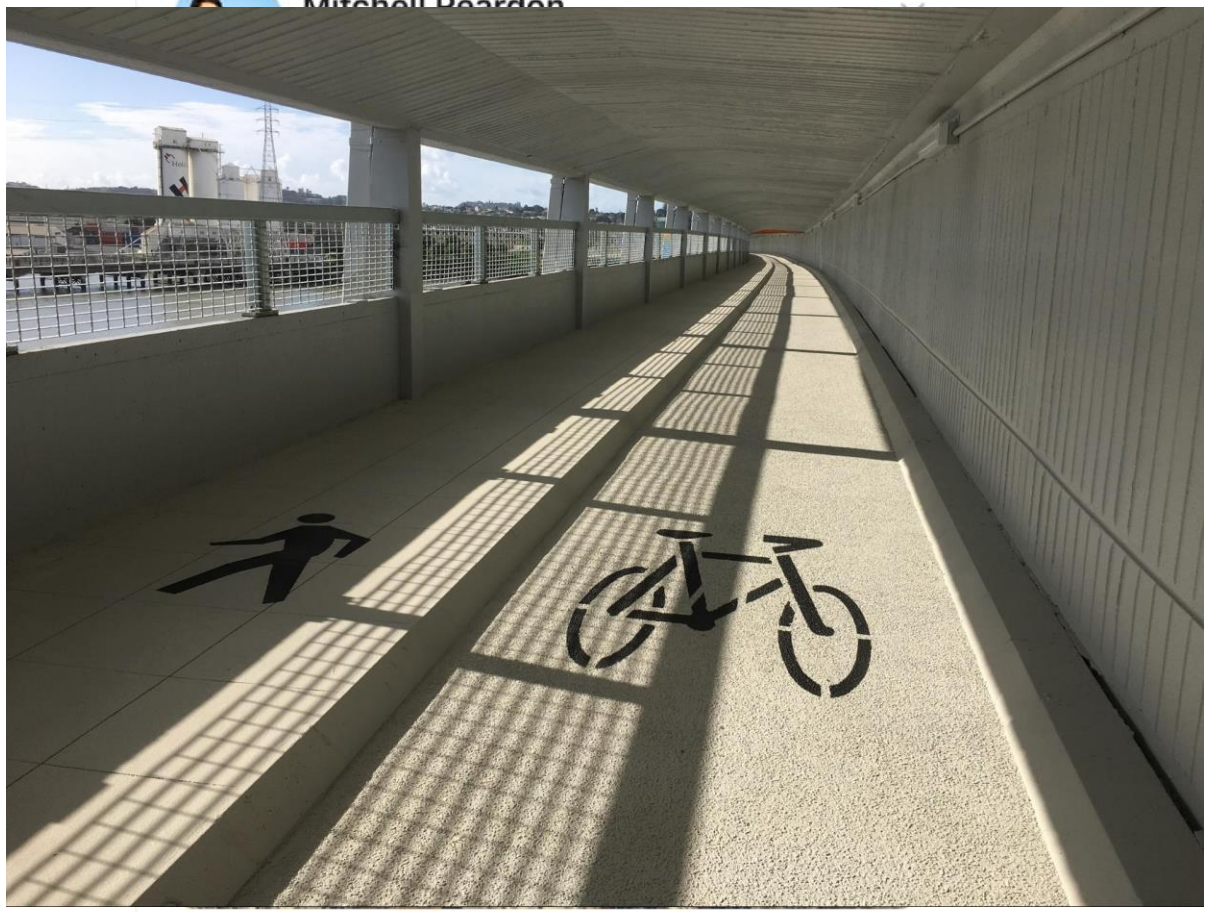
http://healthystreets.com/home/about/

Placemaking for micro mobility journeys

- When a space like this was improved, the most significant change of all was **the 216% hike in 'Leisure based static activities'** (e.g. stopping at a café).
- This is an attractive micro mobility route, people will go out of their way to travel through here.

Placemaking for micro mobility journeys






A
B

Let’s discuss during Q&A:

- Micro mobility will be a significant new transport mode, with millions of trips per month.
- People on micro mobility will choose safer, more “pleasant” routes
- These people will feel connected to their environment and more willing to stop for ‘**Static Leisure Activities**’ (e.g. cafés and pop-up retail)
- We need to understand what providing micro mobility infrastructure is: **it’s more than creating routes that get people from A to B.**