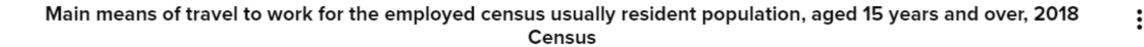
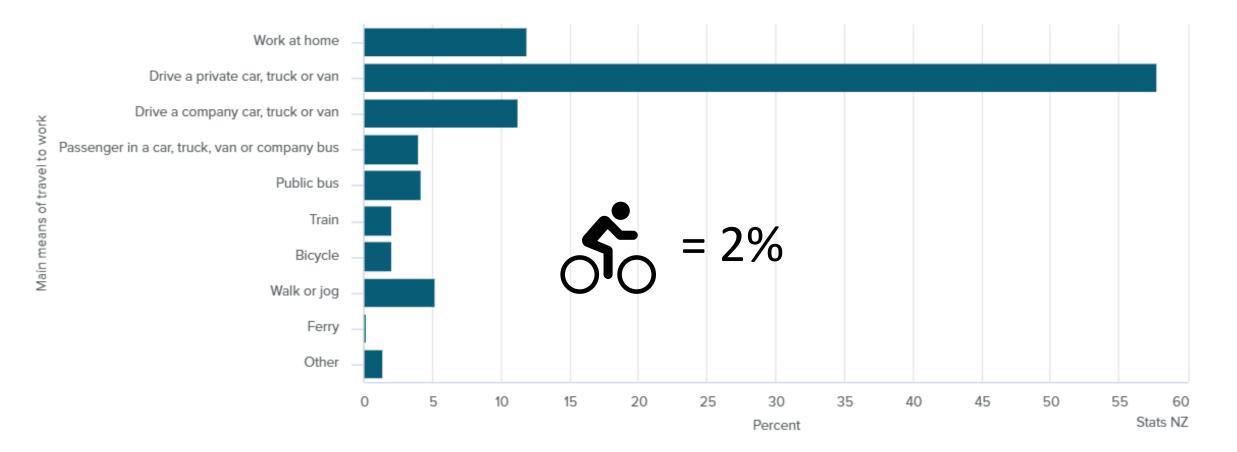
Propensity to Cycle Tool

Presenter: Werner Pretorius Principal Transport Planner at AECOM

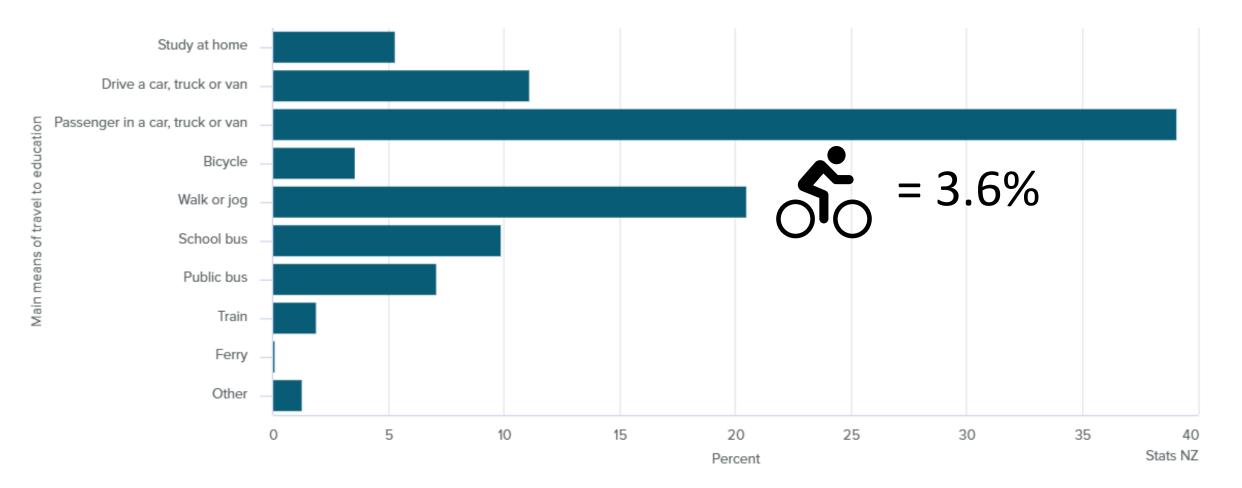
Travel To Work (Census 2018)





Travel To Education (Census 2018)

Main means of travel to education for the census usually resident population participating in study, 2018 Census



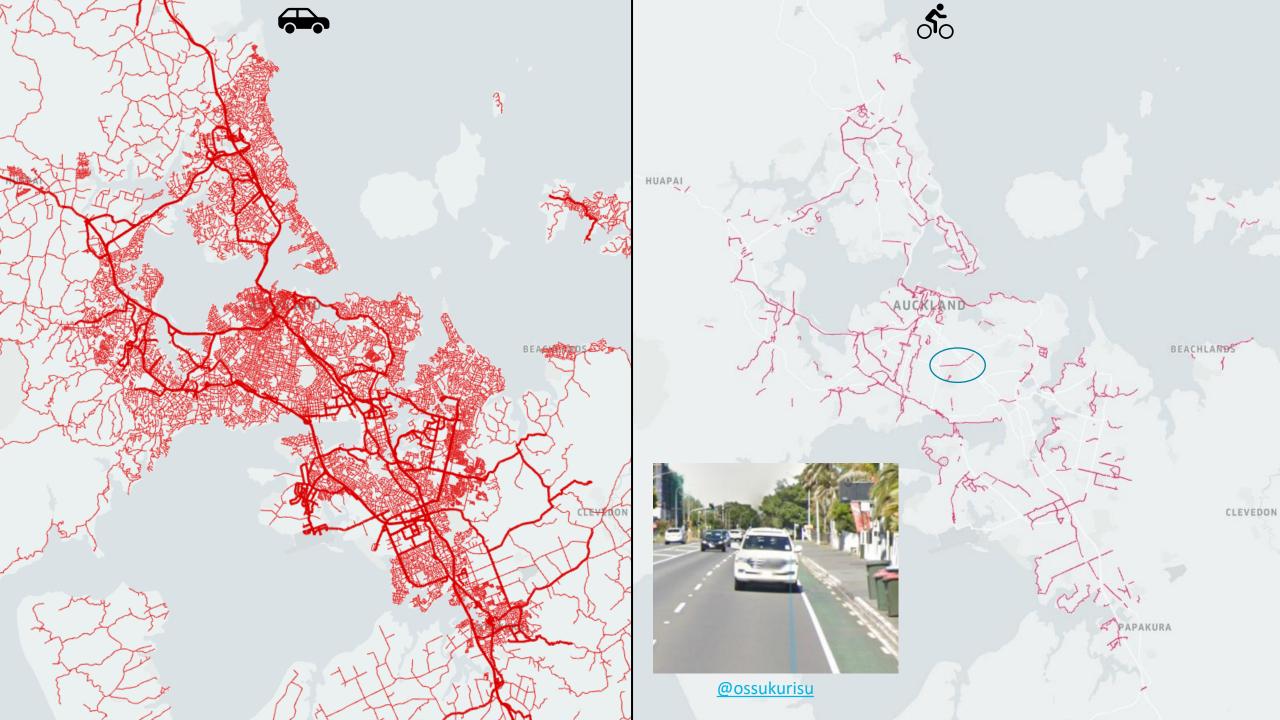
Why don't people cycle in NZ ?

- Weather
- Culture
- Love for cars
- Safety
- Infrastructure
- Distance / travel time
- Lack of facilities
- Bad driving

- Dangerously designed roads
- Perception of danger
- They've had an accident
- State of the roads
- Not being in Germany or the Netherlands
- Rain and hills

Barrier to cycling/cycling more

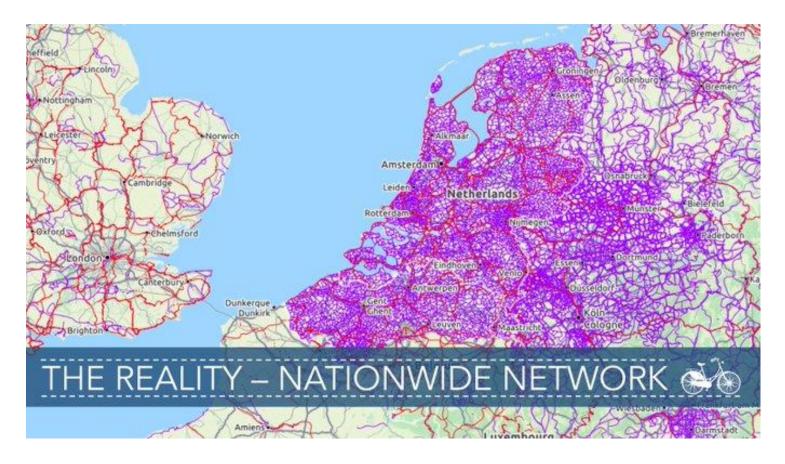
	ING AT THE BARRIERS TO	2017
INFRASTRUCTURE	I don't feel safe because of how people drive	58%
	I don't feel safe cycling in the dark	44%
	There's not enough cycle lanes or separated routes	32%
	There's no secure place to leave a bike when out and about	29%
DISTANCE	Cycling is not a quick way for me to get where I need to go	32%
	I live too far away for it to be practical	26%



Why do the Dutch cycle?

"The **Dutch don't cycle** because they are morally superior to us.

They cycle because they've built a dense, 35,000 kilometre network of safe fully segregated facilities, equal to a quarter of their road network" Chris and Melissa Bruntlet



Copenhagen







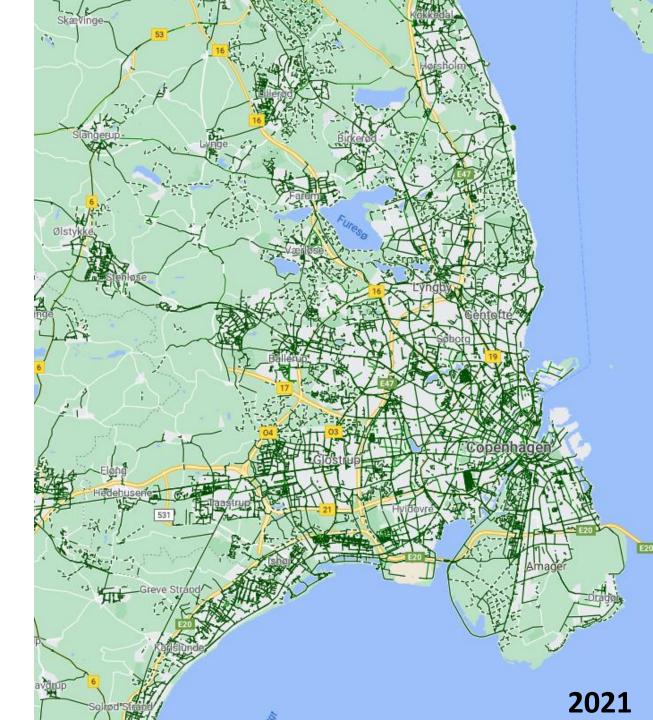


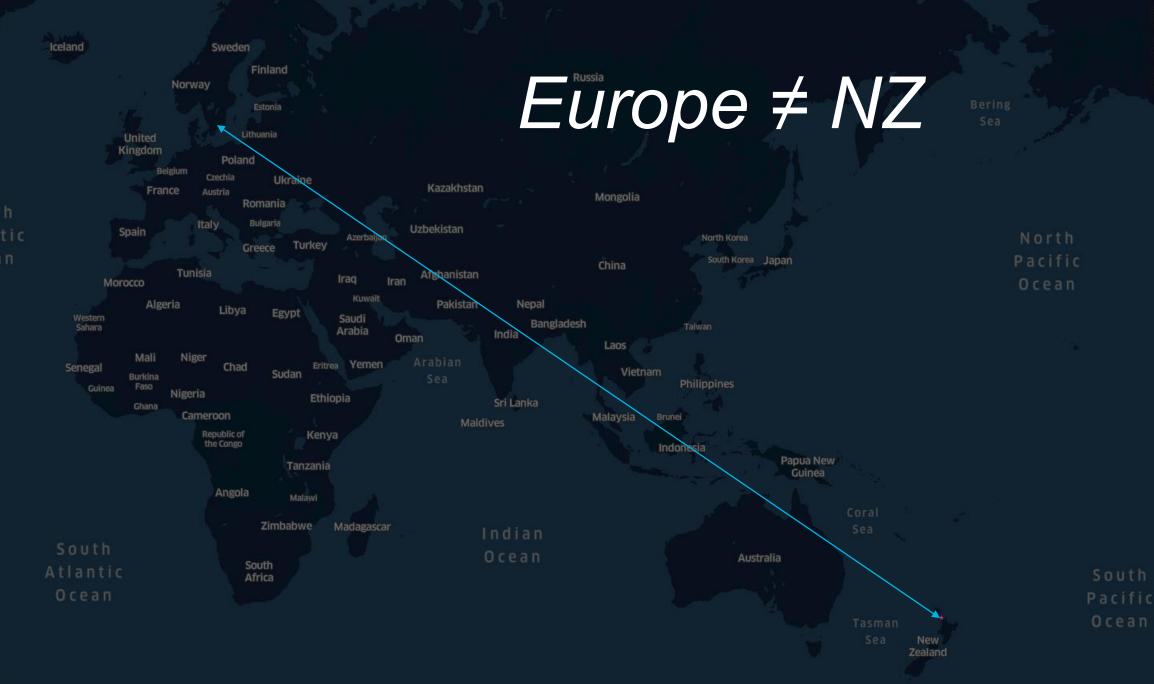






Carstensen et al., Geografisk Tidsskrift 115:2, 142-156 (2015)





Census Mobility Patterns

Frahams Beach

Total Trips (all modes)

0000 - 1312

'where is cycling currently common and where does cycling have the greatest potential to grow?'

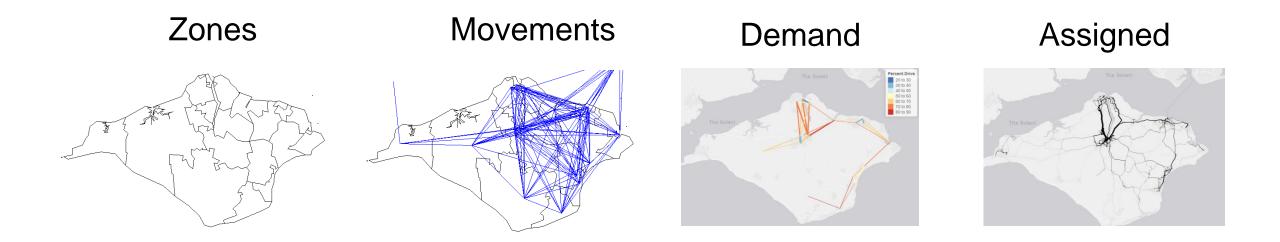
uckland

Coatesville

Taupaki

Propensity to walk, scoot and bike - distance profiling (<5km)





Direction of Travel

Propensity to Cycle Scenarios

Cycling Propensity

Current Baseline Government Target Gender Equality Go Dutch E-bikes Climate

Potential Applications

Assist transport planners and policy makers to prioritise investments

- Help answer where does cycling have the greatest potential to grow
- Understanding cycling propensity with different version of the future
- Studying Mobility Patterns
- Visualise Movement Data
- TDM Scenario Planning
- Nation-wide active mode planning tool
- **Streamline evidence for Business Cases**
 - Many more

Questions?

- Werner Pretorius
- 021586235