Declining Vehicle Kilometres Travelled

Thomas Prince

150 YEARS IN AOTEAROA

Thomas Prince

Pepeha / Introduction

Agenda

The Emissions Reduction Plan Target

The Household Travel Survey

Mode Shift Potential

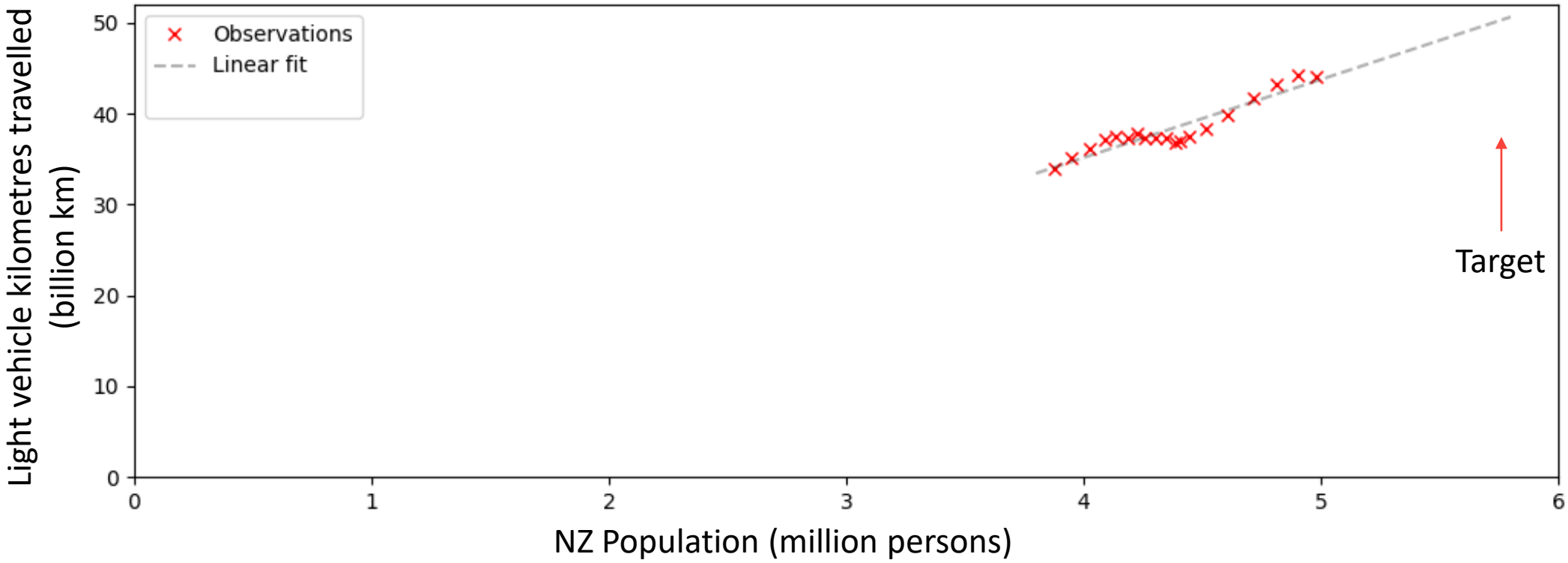
The Emissions Reduction Plan

20%

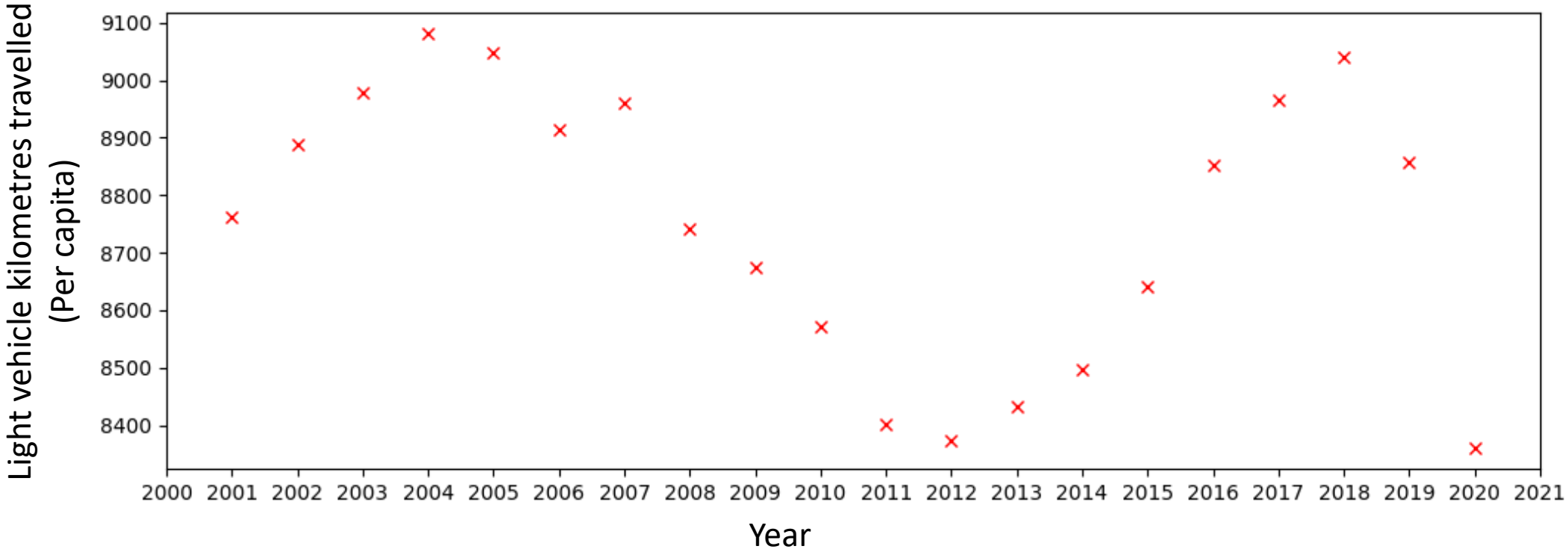
Vehicle kilometres travelled by the light vehicle fleet.

From projected 2035 levels.

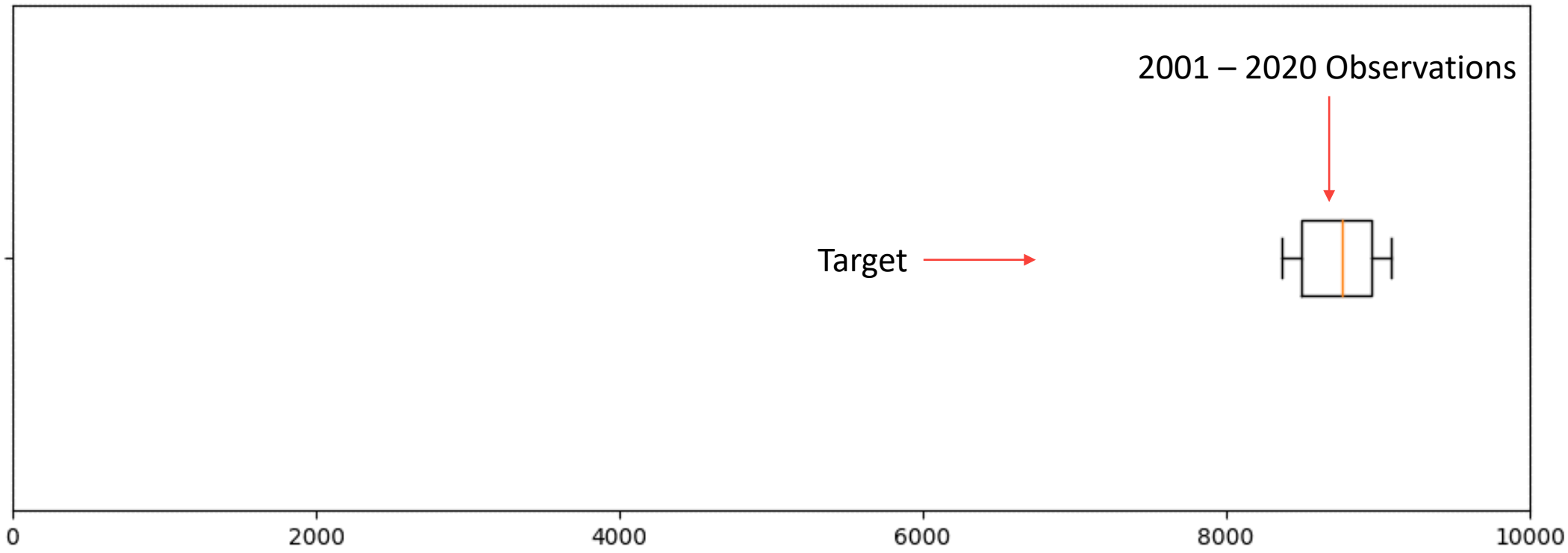
National Cumulative Travel



Per Capita Annual Driven Distance



Individual Travel

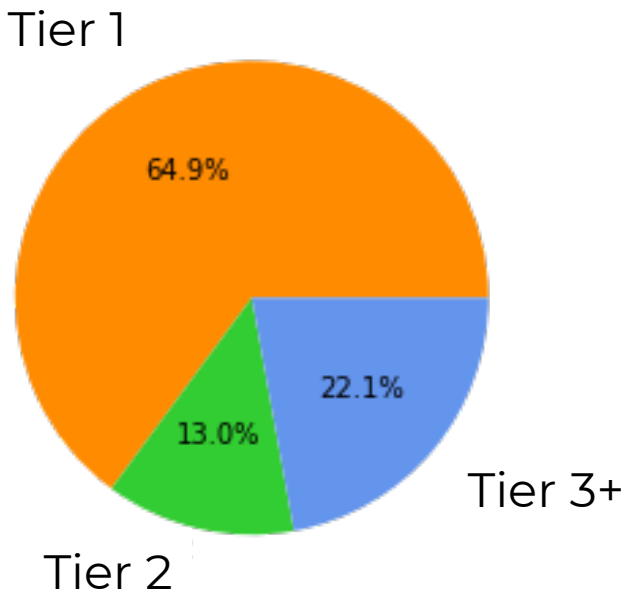


The Household Travel Survey

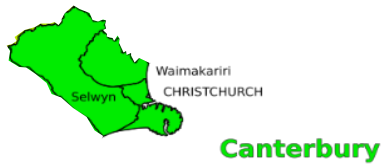
Driven Kilometres by Tier

65% of national kilometres driven in Tier 1.

31% Tier 1 reduction would achieve target.



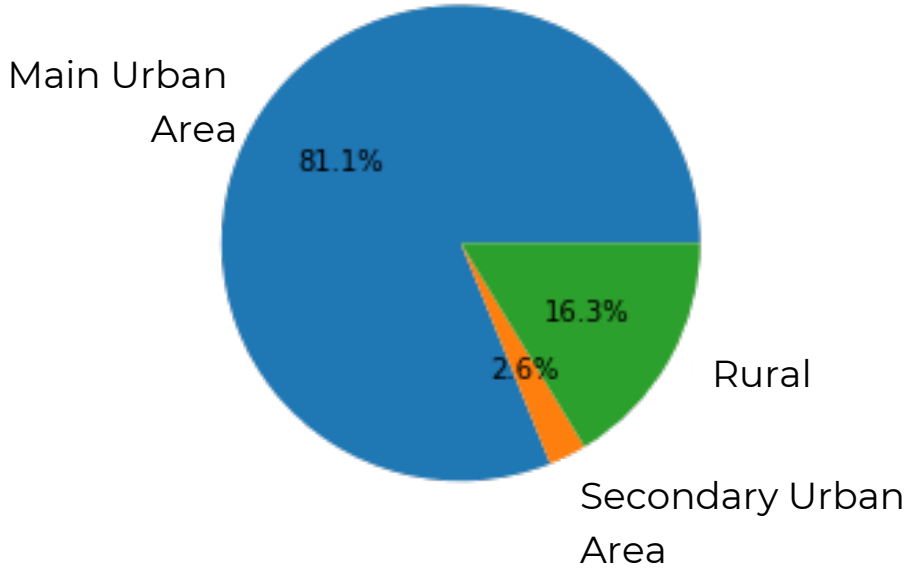
Territorial Authorities



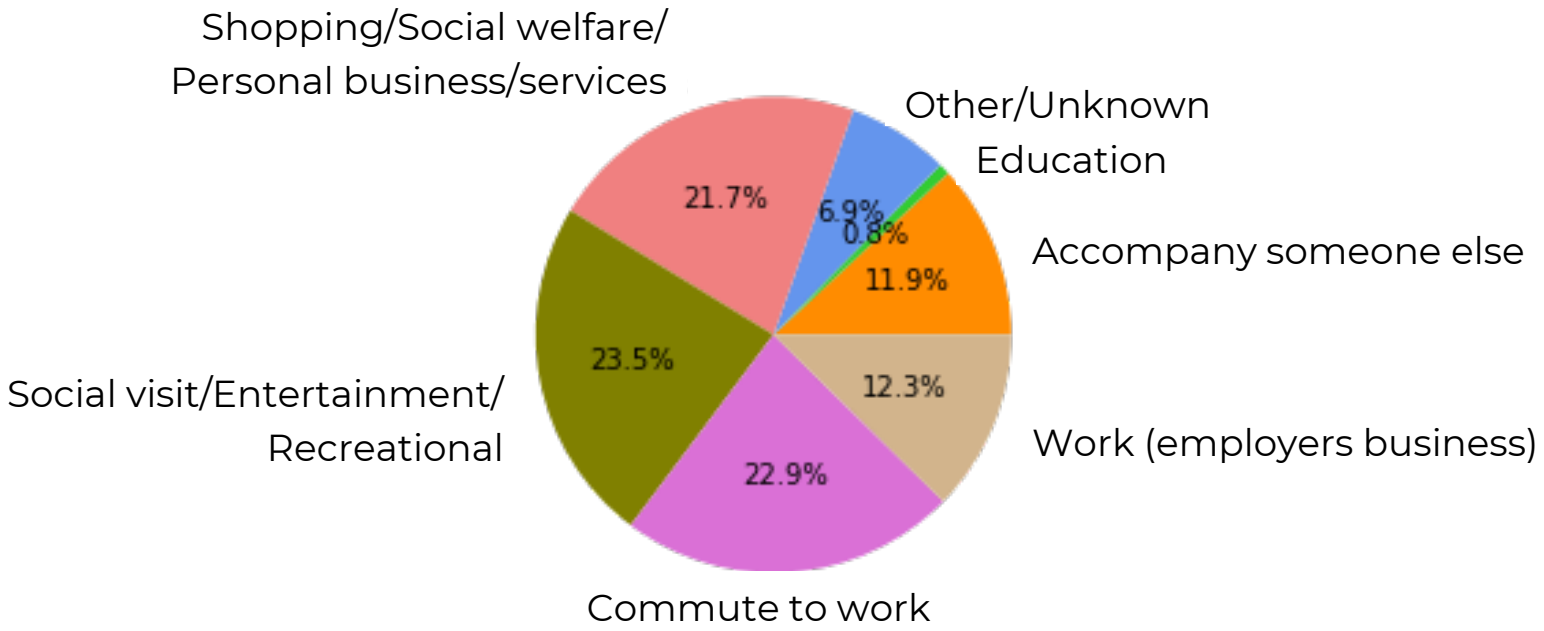
Tier 1

Tier 1 VKT by Area Type

19% of Tier 1 kilometres are not in a main urban area.

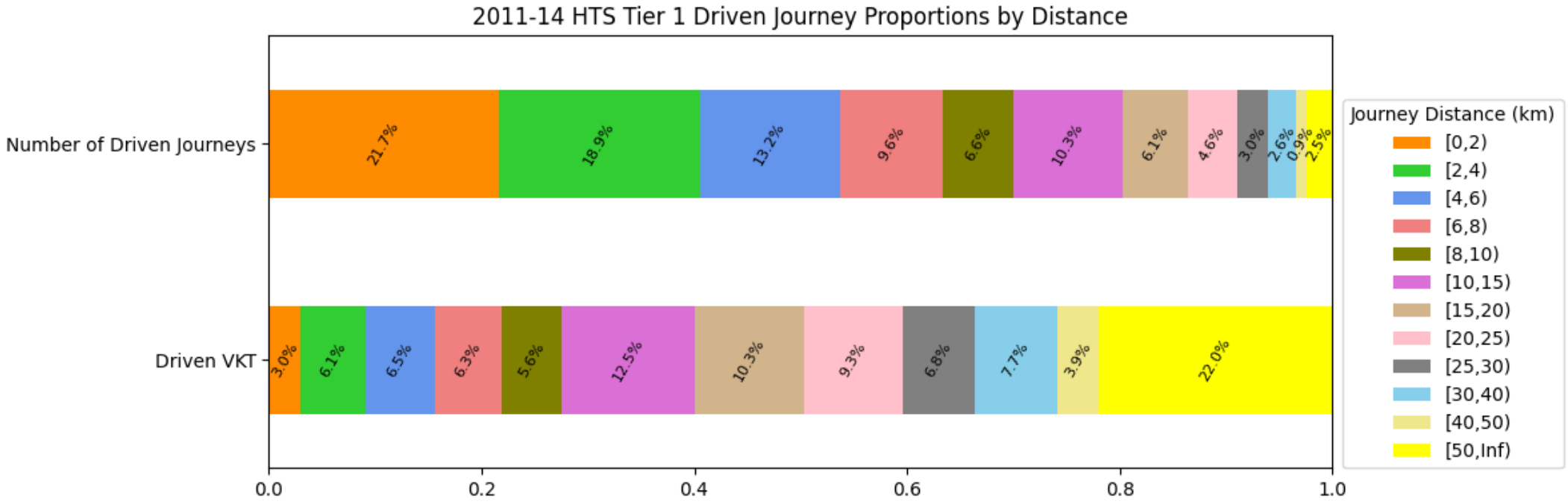


Tier 1 VKT by Purpose



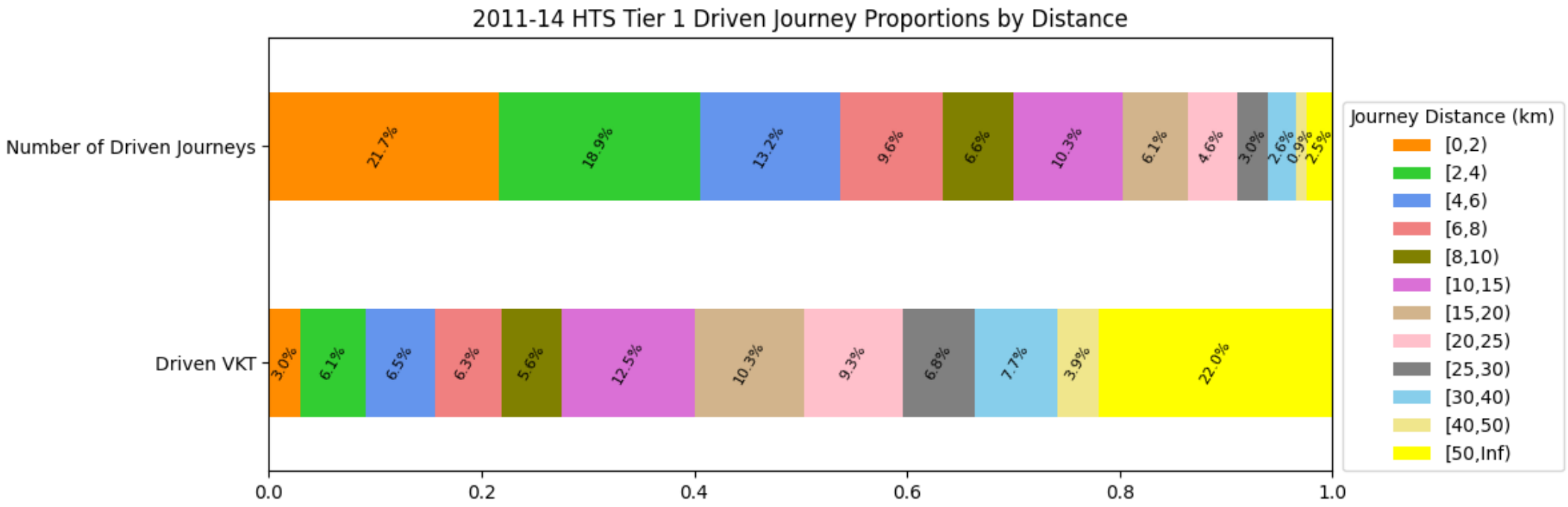
Journey Length

75% of journeys contribute 25% of kilometres (<10km)



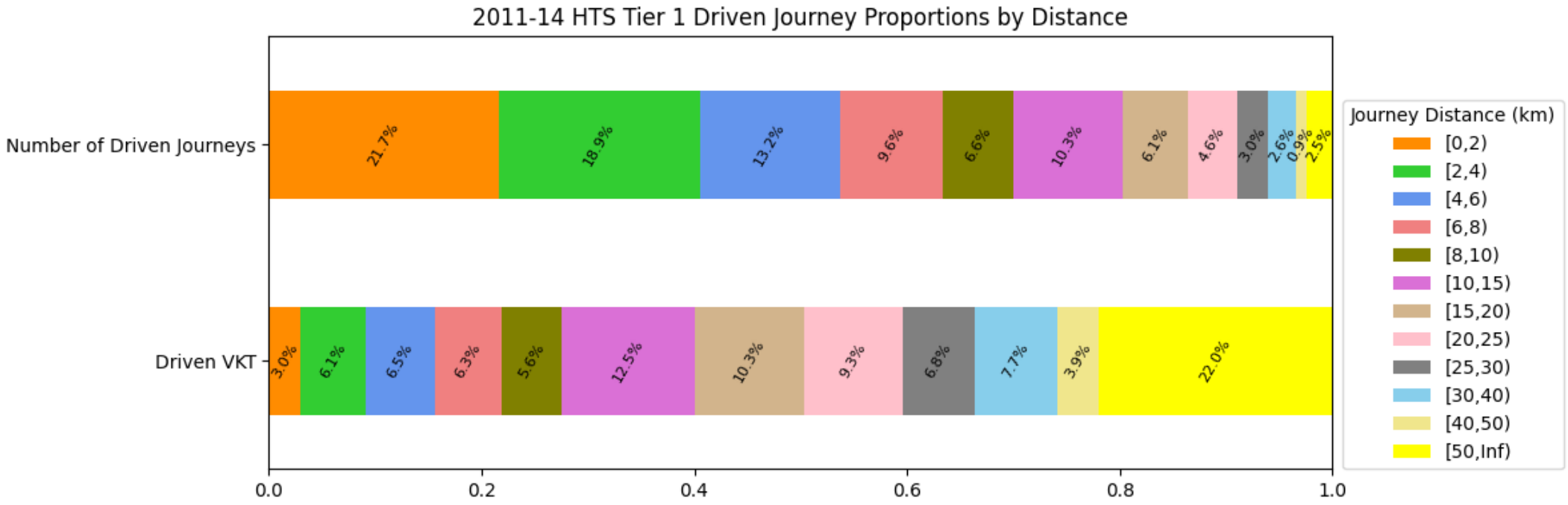
Journey Length

53.8% of journeys contribute 15.6% of kilometres travelled



Journey Length

Journeys under 2km contribute 3% of VKT



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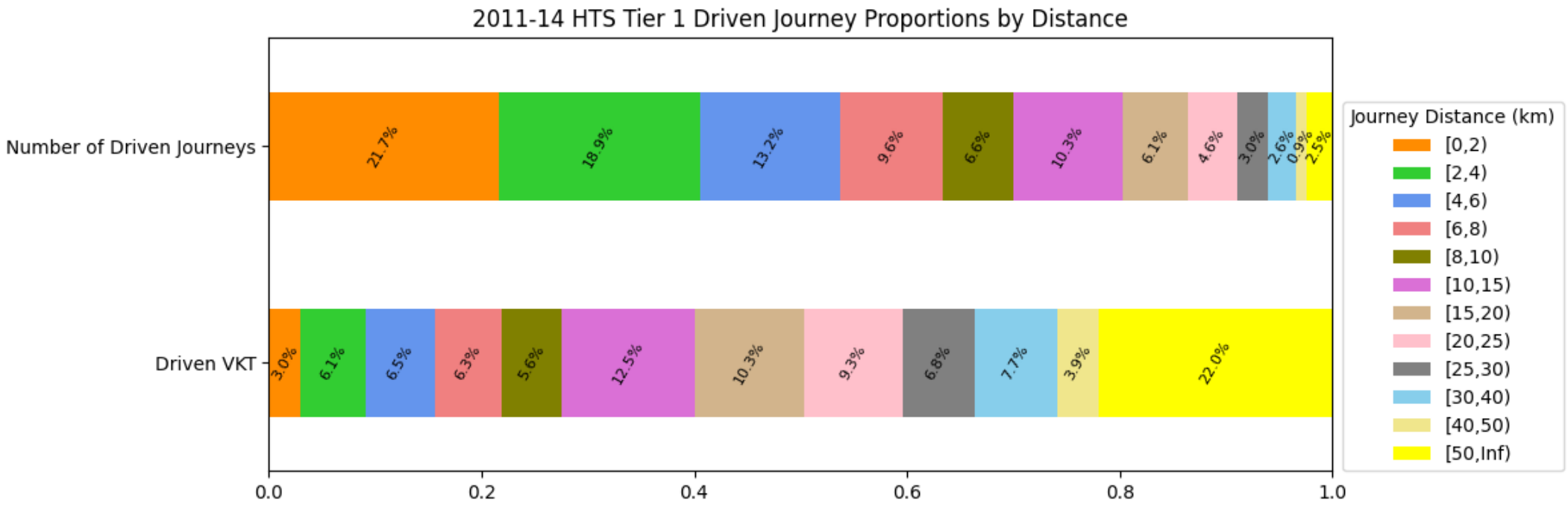


Mode Shift Potential

Based on the Household Travel Survey

Mode Shift

25%

In main urban area

For journey purpose

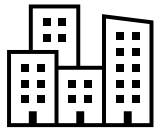
1. *work commute*
2. *social/entertainment*
3. *personal/shopping*

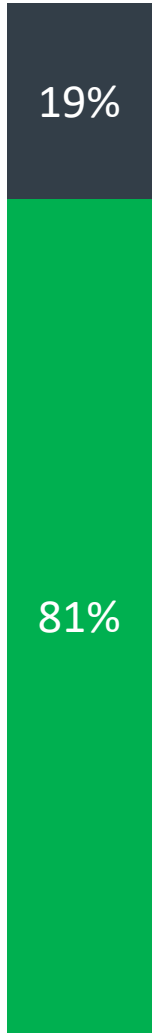
Under 15km

Tier 1 Mode Shift

Main Urban Area

81%





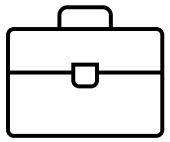
Vehicle Kilometres Travelled

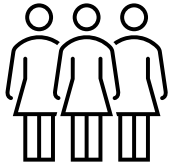
Tier 1 Mode Shift

Journey Purpose

81%

68%





Vehicle Kilometres Travelled

Tier 1 Mode Shift

Distance <15km

81%

68%

46%

Vehicle Kilometres Travelled

Main Points

1. 20%target – it's big
2. Journey length and features constrain travel alternatives
3. Shifting to another mode is part of the solution, we need more