Transitions in a safe road system

How do best prepare drivers leaving motorways for rural roads?

Drivers leaving motorways for rural roads maybe unprepared for hazards

Methods

50 participants with a full drivers licence completed the two part study



1. TRG Simulator drive Participants drove

- 32 roads
- Roads represented the six "official" road categories
- Range of posted speed limits (30-80 km/h).

2. Picture sorting Participants sorted

- photos of the roads into piles that were similar
- Then provided a brief description of each of their piles.











Participants rated the same 32 road photos for:

3. Road Rating

- Comfort - Difficulty

- Familiarity
- They also rated:

- What speed they would chose - The safe speed

- The actual speed limit

Drivers' Road Categories

Through experience



drivers develop their own MENTAL **CATEGORIES**

about different road types. Categories are influenced by:







Drivers speed choices are influenced by

Road Width









categories

their road categories



official speed limit) Mismatches between actual speed limits and drivers categories lead

Driver's road categories

align with what drivers thought the speed limits

were (not always the



Drivers' road categories were NOT well aligned with the official

Conclusions

choose the speeds they drive.

- It is important to consider how drivers categorise roads when altering speed limits to help drivers choose the right (or safe) speed.

New Zealand drivers distinguish different types of urban roads and use them to



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Te Whare Wānanga o Waikato