Moral judgment and driver behaviour: A simulator study

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Overview

• Rationale
• Literature review: morality and driving
• Research questions
• Methodology
• Initial Data Collection
• Complementary and future work
Rationale

• Judgments of right vs wrong.
• Formal and informal road user ‘rules.’
• Minimal current research into this area.
• Exploratory pilot research
Literature Review

(Soole, 2011; Lennon & Watson, 2011).
Literature Review

• 260 Brazilian university students (18-30)
• Sociomoral Reflection Measure and Driver Behavior Questionnaire.
  – small variance in Moral Judgment score in this selected sample
• Portuguese 28-item version of the Driver Behavior Questionnaire that reproduced the same four-factor structure as the British version: ordinary violations, aggressive violations, errors, and lapses.
Research Questions

• Individual Differences
  – Ethical judgments
  – Cognitive Reflection
  – Judgment styles
  – Risk Attitudes

• Behavioural Outcomes
  – Risk taking: Eg. Running red lights, speeding, gap acceptance, stopping for a train crossing.
  – Judgments of self and others following collisions
Method

- Drivers aged 18 or over
- Australian provisional or open license
- Driving situations
  - Cyclists cutting in front at a traffic light
  - Pedestrian crossing
  - Gap acceptance, orange light running
  - Unavoidable and avoidable crash scenarios
  - Measuring speed, distance, verbal judgements etc
Method

Unavoidable Crash Scenario
Initial Data Collection

• Motion sickness
• Too few participants for definitive data currently
Complementary Research

- Alexia Lennon & Lauren Shaw – Aggressive driving
- Driver etiquette judgments – focus groups
Conclusion

• Expanding current minimal research on morality, judgment, decision making and driver behaviour
• Too early for definitive results
• Driver etiquette, judgments and aggression possible link.
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References


References


Questions?
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