



The Use and Usefulness of Travel Time in Fully Automated Vehicles

- ❖ Any **evidence** on how people use time in cars **now**?
- ❖ How do people **intend** to use time in automated cars?
- ❖ Do people perceive time in automated cars to be **more useful**?
- ❖ Any **correlation** between usefulness of time & intended use of FAVs?
- ❖ Any effect of **motion sickness** on perceived usefulness of time?



*“The commute felt like it took half the time”
-Tesla autopilot user*

Current vs. Intended Time Use



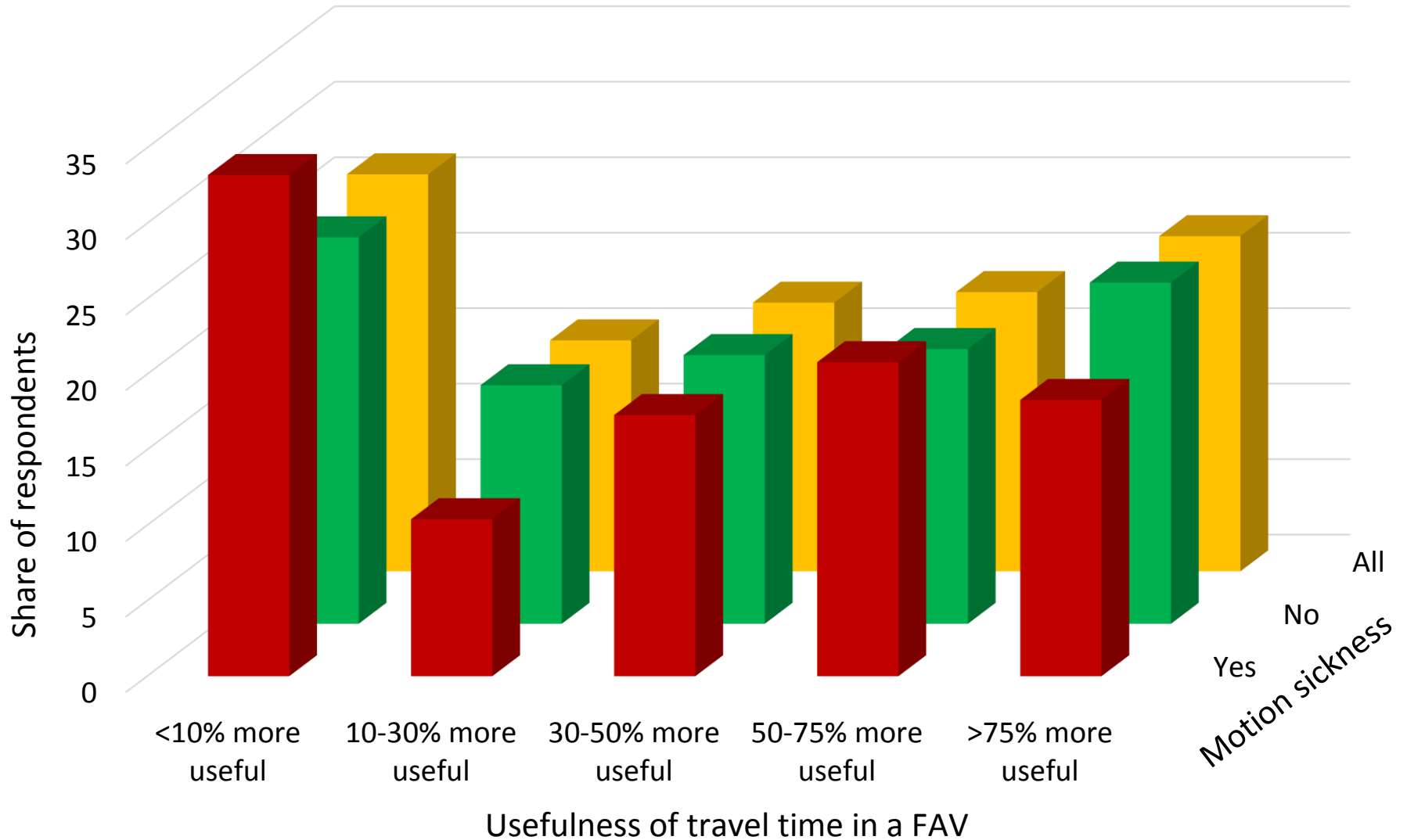
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Primary activity, on which most time is or will be spent	Revealed ranking for current car users	Ranking of stated intention in FAVs
Still watching roadway	-	-
Working/ studying	2	1
Window gazing/ people watching	4	4
Thinking/ planning	1	3
Phone calls/ messaging	9	10
Online social media	5	6
Reading for leisure	10	7
Emailing/ browsing internet	7	8
Eating/ drinking	11	12
Sleeping/ snoozing	7	9
Listening to music/ radio	6	5
Watching video/ playing games	12	11
Talking to other passengers	2	2
Rank correlation	0.92 (outward)	0.77 (inward)

Motion Sickness and Usefulness of Time



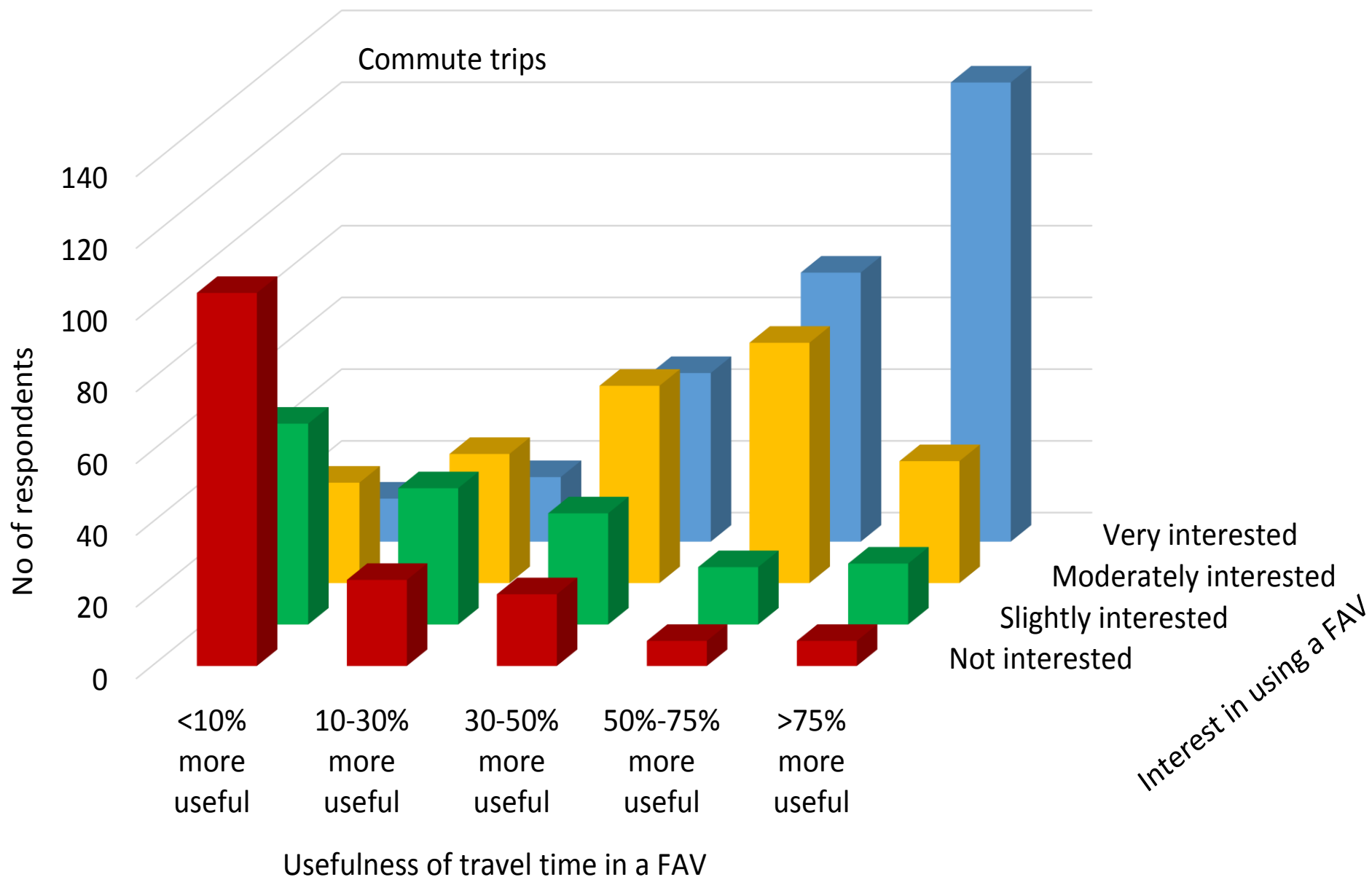
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Usefulness of Time and Interest to Use FAVs



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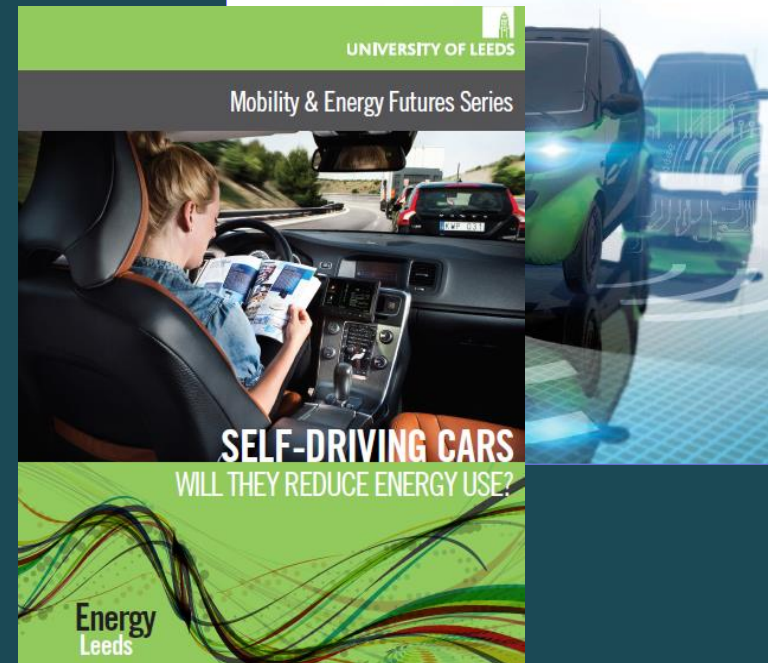


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AUTOMATED VEHICLES:
AUTOMATICALLY LOW CARBON?



Thank you



The use and **usefulness of travel time** in fully automated vehicles, 2018 (under review)

Fully automated vehicles: A **cost of ownership** analysis to inform early adoption, 2017

Help or Hindrance? The **travel, energy and carbon** impacts of highly automated vehicles, 2016