

Table 1: DALI factor and overall mean data.

	EID		DB	
	Urban	Extra	Urban	Extra
Global	3.08	2.50	3.60	2.76
Visual	3.52	3.04	3.76	3.08
Auditory	1.32	1.50	1.64	1.32
Stress	2.40	2.08	2.68	1.88
Temporal	2.08	1.92	2.36	1.72
Interference	2.28	2.21	2.40	2.24
Mean	2.45	2.21	2.74	2.17

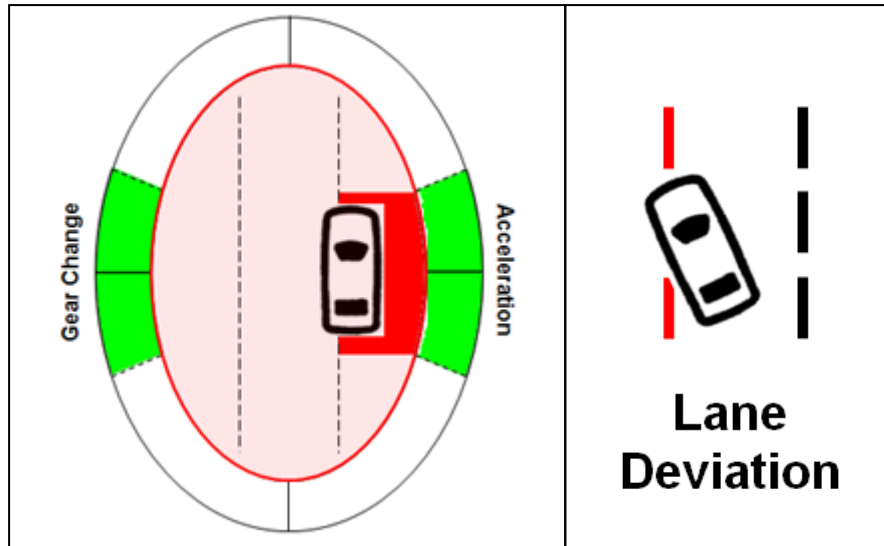


Figure 1: EID¹ (left) and DB (right) interface designs, both are displaying the warning for lane deviation. With the EID interface safety parameters are grouped inside the oval, with fuel efficiency parameters in the outer oval. Unlike DB (which only presents the highest priority parameter on the screen) the EID can show more than one parameter in real-time.

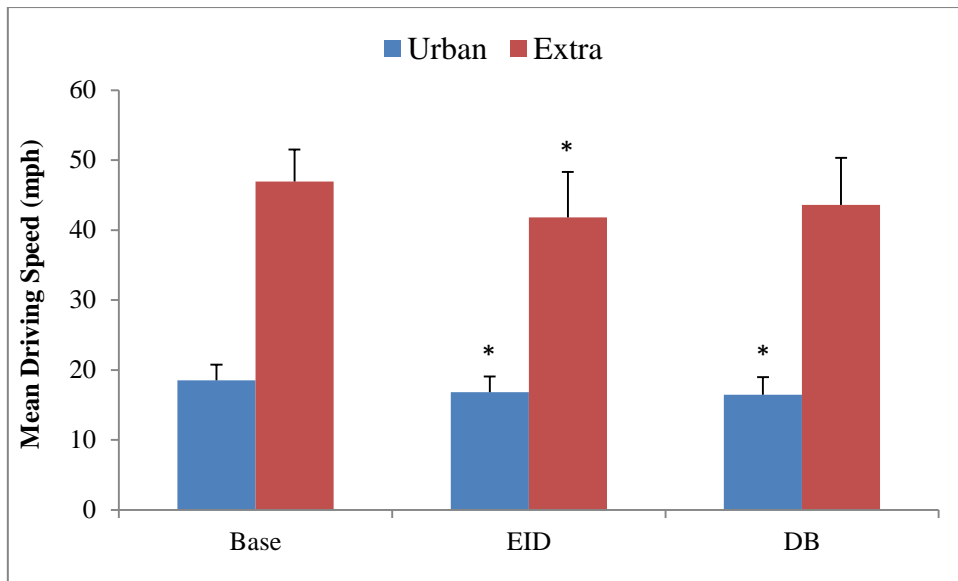


Figure 2: Mean driving speed for each experimental condition in urban and extra-urban driving cycles. Asterisk indicates significant difference ($p < 0.05$) to respective baseline conditions. Error bars represent standard deviation of the data.

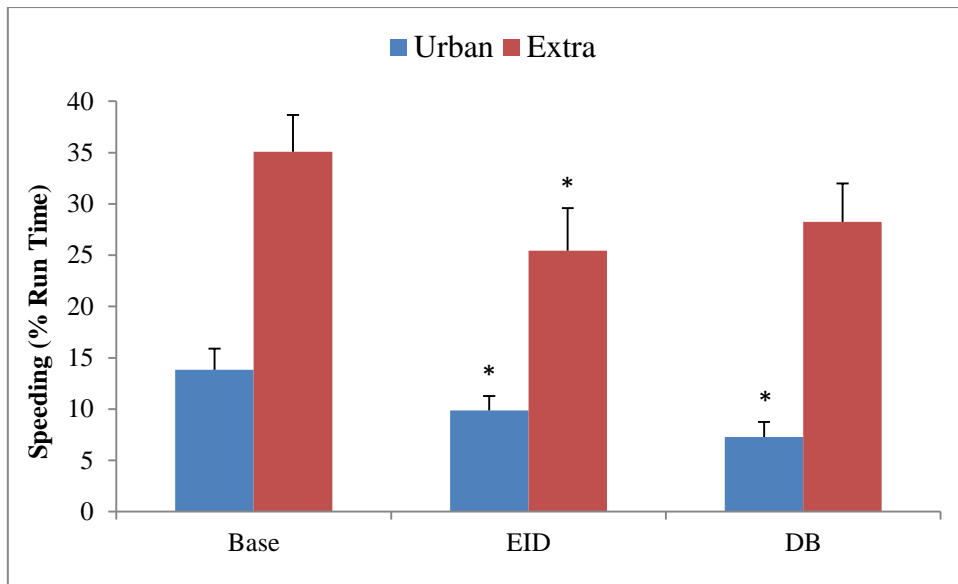


Figure 3: Mean percentage of time speeding in each experimental condition in both urban and extra-urban driving cycles. Asterisk indicates significant difference ($p < 0.05$) to respective baseline conditions. Error bars represent standard error of the data.

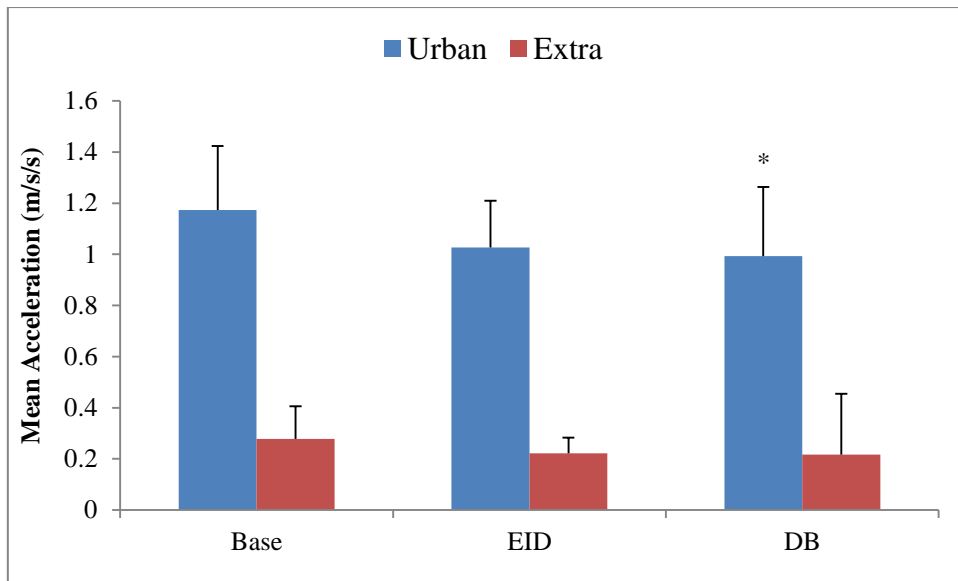


Figure 4: Mean acceleration values for each experimental condition in urban and extra-urban driving cycles. Asterisk indicates significant difference ($p < 0.05$) to respective baseline conditions. Error bars represent standard deviation of the data.

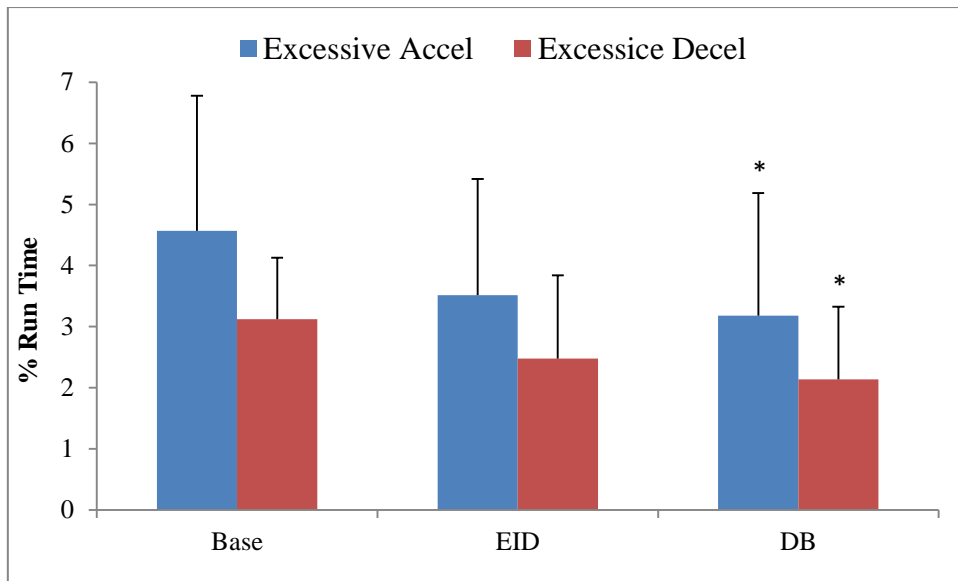


Figure 5: Percentage of driving time spent in excessive ('Red') acceleration and deceleration with urban driving. Asterisk indicates significant difference ($p < 0.05$) to respective baseline conditions. Error bars represent standard deviation of the data.

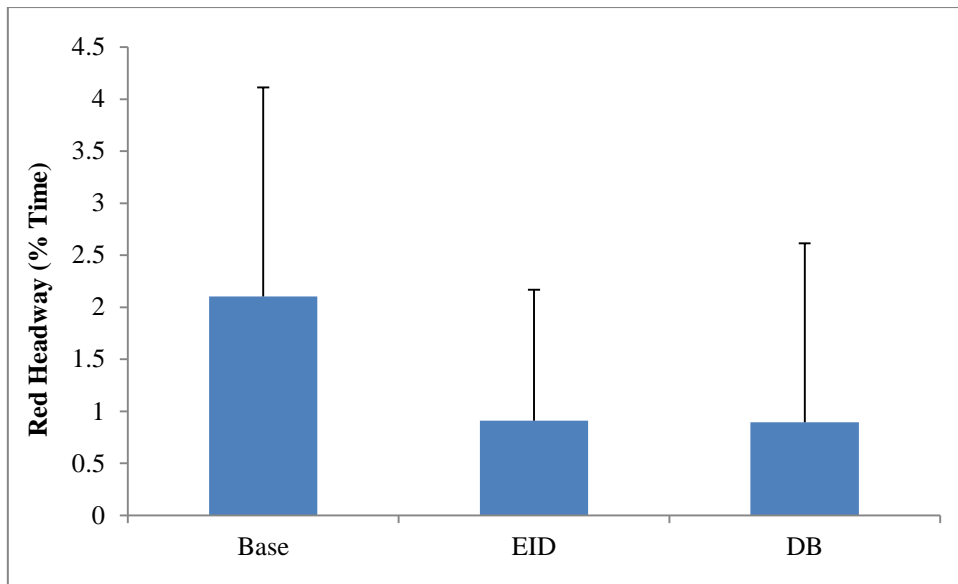


Figure 6: Percentage of driving time spent at excessively low ('Red') headway with urban driving. Error bars represent one standard deviation of the data.

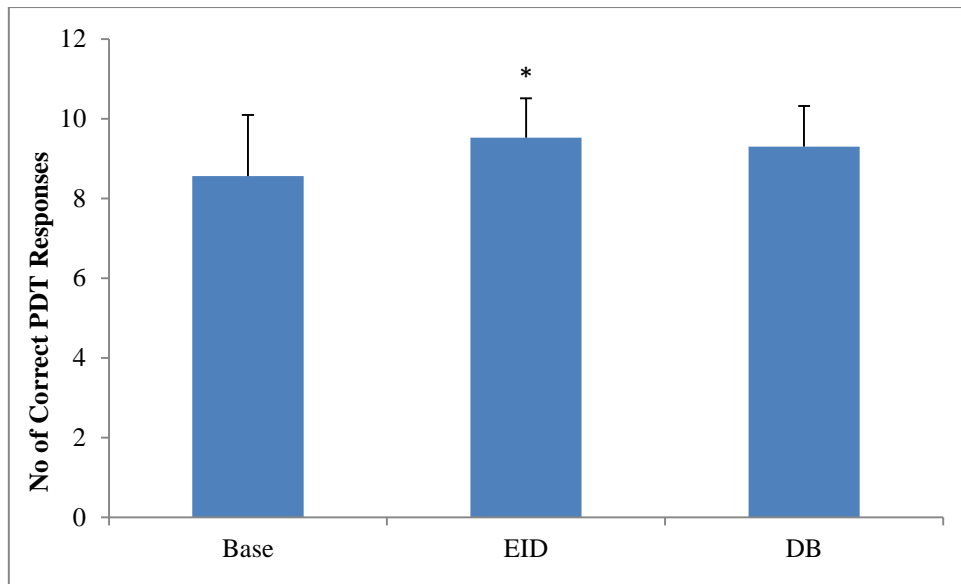


Figure 7: Mean number of correct responses to the PDT in the urban cycle. Asterisk indicates significant difference ($p < 0.05$) to baseline condition. Error bars represent standard error of the data.

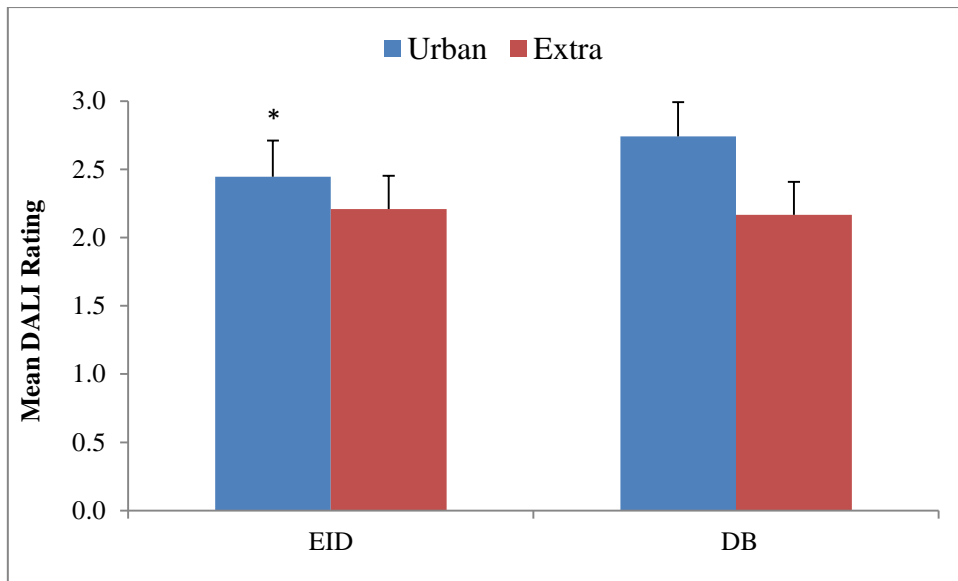


Figure 8: Mean DALI rating given by participants for each experimental condition for both urban and extra-urban scenarios. Asterisk indicates significant ($p < 0.05$) difference between EID and DB condition. Error bars represent standard error.