# **Effects of Blur on Duration Thresholds for Road Hazard Detection**

### Introduction





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## Exp 1: Is it harder to detect dangerous situations under blur?

# Exp 2: Is this driven by specific types of hazards?



No Blur High Blur

Older and younger participants were **similarly** affected by blur.

Participants needed an average of **78 ms more** to detect a hazard.

Older participants had higher duration thresholds.

### Conclusions

Blur affects duration thresholds consistently across age groups, but only at high levels.

For non-vehicular hazards, blur increases duration thresholds by by **176 ms**. This is about 1.25 car lengths at highway speed!