

Baseline gaze behavior of younger and older drivers under undistracted conditions in cyclist intersection conflicts

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How do age and road width relate to baseline gaze and scanning near intersections?

STUDY DESIGN

60 licensed drivers

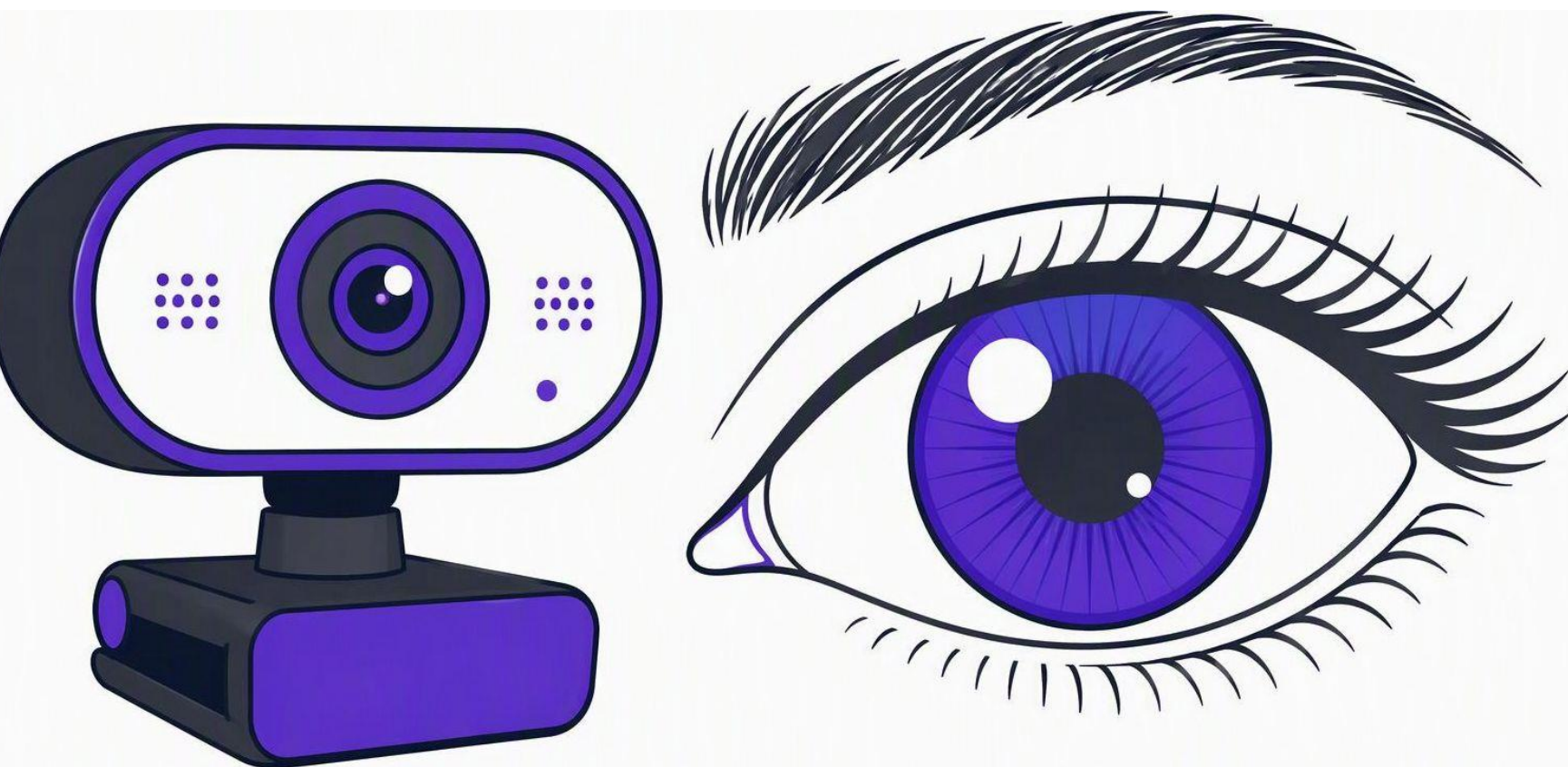
36 younger (<65) and 24 older (≥65). Each completed both scenarios in randomized order.

Scenario	Narrow road	Wide road
Lane width	3.25 m	4.05 m
Road width	12.1 m	15.9 m
Intersections	5	10
Cyclist event	Final	Ninth



Target driving speed: 50 km/h. A cyclist entered from the left at 15 km/h.

GAZE ANALYSIS



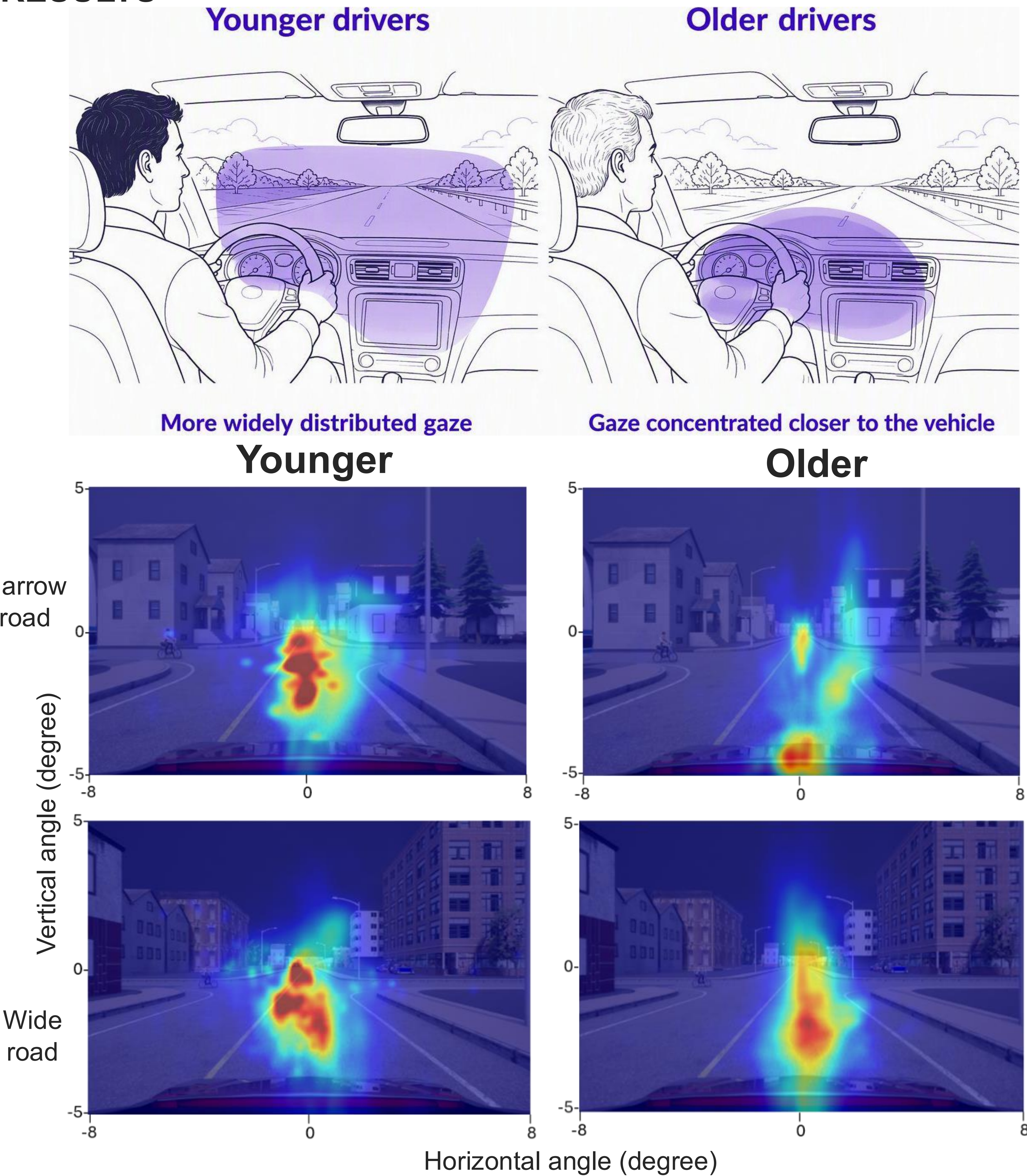
Webcam + OpenFace 2.0

IMPLICATIONS & LIMITATIONS

Baseline patterns may inform driver-monitoring system evaluation.

Single-screen viewing may restrict head movement. Scenario length and intersection counts also differed.

RESULTS



Scanning increased near intersections, with different patterns in the final 20 m

