

VISUAL MOTION PERCEPTION AND DRIVING HAZARD VISIBILITY AT NIGHTTIME



THE PROBLEM

- Our eyes don't work the same at night
- Pedestrians and bikes can blend into the background
- Hazards are often seen too late

WHAT THE RESEARCH LOOKED AT

Researchers tested how well drivers:

- See movement
- Spot hazards in real night-time driving videos



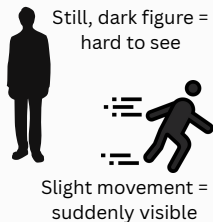
THE BIG TAKEAWAY

Seeing small movements helps drivers spot danger sooner at night

Drivers who were better at noticing tiny movements reacted faster to people and bikes on the road.

WHY MOVEMENT MATTERS AT NIGHT

- At night, shape and colour are harder to see.
- Movement becomes one of the strongest clues that something is there.



harder —————> easier

WHO IS HARDEST TO SEE

People moving slowly and wearing dark clothing are especially difficult to detect.

WHAT CAN HELP

- Wear reflective or light-coloured clothing
- Use lights and reflectors on bikes and scooters
- Drivers: slow down and scan for movement
- Small visibility changes can save lives

