

Driving Simulator Studies

Vulnerable population groups (e.g., aging adults, individuals with disabilities) represent a significant portion of the entire population in the United States. It is essential to understand the factors that may influence driving performance of vulnerable population groups when designing transportation infrastructure. This project aims to design customized driving simulation models to better understand how driving performance of different population groups might be affected under normal and inclement weather conditions (e.g., storm, fog, limited visibility, etc.). The primary research tool will be a high-fidelity driving simulator. Students may be involved in tasks ranging from programming roadway features and driving scenarios, to assisting with volunteer drivers, to analyzing data.

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