

研究業績 英文表記

和文	
表題	アプリケーションベースのナビゲーション中のスマートフォン視線と歩行者ナビゲーション性能の関連性:実世界実験研究
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英文	
Title	Association between smartphone glances during application-based navigation and pedestrian navigation performance: a real-world experimental study
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Abstract	This study aimed to investigate the association between gaze behavior, particularly glancing at smartphones, and navigation performance among adult users of navigation applications while walking. Correlation analysis showed that the number of stops and route errors were moderately and positively correlated with the number of times participants glanced at their smartphones ($P<0.05$). In the original GLM, the number of stops and route errors showed a significant positive association with the number of glances at the smartphone ($P<0.05$). This significant positive relationship persisted even after examining the bootstrap sample. In healthy adults, frequent screen glances while walking with a navigation application may interfere with navigation performance. Establishing an alternative navigation system that does not rely on screen-checking may help pedestrians move more efficiently and safely.
keyword	Application; gaze behavior; smartphone; navigation; real-world

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