

# 國小學童對道路交通安全知識之認知與比較分析

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## 摘要

In all traffic accident types, accidents involving pedestrians are the most severe type in fatalities and injuries. Therefore, walking safety for children is a very important issue since walking is their major traffic mode. In addition, the frequency of children traffic accidents is also high due to their lack of self-protection judgment, concentration, and quick response to emergency traffic conditions. The study aims to analyze the understandings of primary school students on traffic safety knowledge and compare the performance differences between schools. Firstly, the road traffic safety knowledge is reviewed and organized by literature review. Then a questionnaire survey is conducted to the primary students in several schools. The basic statistical analysis and K-Means cluster analysis are further conducted to classify the survey results after the questionnaire survey. This study also uses the Excel to perform F-test and t-test for the comparison of significance of performance difference between schools. Finally, some conclusions and recommendations are presented for primary schools and stakeholders.

關鍵字：Children, Walking, Traffic Safety