綠色運輸~自行車通勤可行性研究-以新竹科學園區從業人員為例

廖本彰,張馨文,解鴻年,湯珮涓
建築與都市計畫學系
建築與規劃學院
planner@chu.edu.tw

摘要

This is an empirical study to investigate the obstacles of commuting cycling among high-tech employees in Hsin Chu Technopolis, Taiwan, as well as the cyclists' ability to overcome them. A questionnaire survey was conducted to collect the employees' information, a descriptive analysis was applied to examine their characteristics, and the Rasch model was applied to analyze the findings. This research discovers that heavy traffic, lack of bike path, raining and windy day, and trucks passing by are the most difficult items for commuting cycling.

Implications of the results are discussed. A battery of recommendations is offered for consideration by decision-makers, so as to facilitate matching bicycle usage with Taiwan's status as a worldwide leader in bicycle manufacturing. The overall goal of this research is to suggest a reasonable policy for improving the cycling safety. This research results provide a set of valuable information for the government to look at the issues and to expand the usage of bicycles.

關鍵字：Green Transportation、Bicycle Commuting、Rasch Model