

## 大阪市における自転車ネットワーク分析

*On the Bicycle Network in Osaka City*\*灘 弘貴<sup>1</sup>、田中 一成<sup>2</sup>、吉川 眞<sup>2</sup>\*Hiroki Nada<sup>1</sup>, Kazunari Tanaka<sup>2</sup>, Shin Yoshikawa<sup>2</sup>

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*In recent years, in the Osaka City has been an increase in bicycle users every year. For reasons such as the improvement of the bicycle of performance, economic and health thinking, bicycle Tsukinisuto to be used in commuting has increased. In recent years, the people to be used in a holiday to enjoy the cycling has increased. However, it includes issues such as an increase in the growth and abandoned bicycle accidents. The development of the bicycle network in the country and local governments have been made gradually. Domestic bicycle network are vulnerable compared with foreign countries. In the future, I will consider the necessary challenges to development in to try to match the route selection characteristics and the travel environment. In the current urban space, cycling roads are only one part, the bicycle are not developed enough driving environment. In addition, it is difficult to pass because there is the illegal parking in the cycling roads. Therefore, I identify the need for the maintenance points. I focus on the characteristics of the road structure and route selection. As a results, I clarify the problems of the road network. In addition, it is an object to obtain basic data necessary for cycling roads maintenance. It performs a clarify of the traveling environment by using data such as the road gradient or bicycle accident, to extract a place that has a problem. Also, I will clarify the route selected by the survey in bicycle rental. And, I will comprehend the actual situation of the traveling environment in that we try to fit a variety of factors. In this study, I understood the characteristic of the road incline of Osaka city, and I figured that a steep road existed only in around Uemachi plateau. I clarified accident distribution using the data of the bicycle accident to clarify safety of the bicycle run environment. I clarified a characteristic of the course choice by superimposing the course of the rent-a-bicycle user on a map. Maintenance of the way for exclusive use of the bicycle of Osaka city is not enough. Thus, it is necessary for us to think about measures including road maintenance technique.*

キーワード：自転車、経路選択、ネットワーク

Keywords: Bicycle, Route Selection, Network