

Estimation Method of Number of Passengers Considering Attractiveness of the Stations and Its Neighborhoods

Naoya OZAKI Takuya WATANABE
Ryosuke MATSUMOTO Noriko FUKASAWA

Urban redevelopment around a railway station in the metropolitan area or setting up a shopping area within a station affect attractiveness of the station or number of passengers using the station. We performed a questionnaire survey to the station users in the metropolitan area for finding factors to affect the attractiveness. Then analyzing the answers of the survey, we developed a quantitative evaluation method for attractiveness of stations. We also developed an estimation method of number of passengers based on the combination of the quantitative attractiveness of the station and the residential and labor population around the station.