



Transportation Planning : Consideration of Sustainable Public Transportation System

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● Research Outline

Analysis of travel behaviour

Public transportation (such as “bus”) service supply has diminished and finally abolished in a local city that public transportation demand is low density. Its mobility is very low as well as restrictive for elderly people and disadvantaged people who have no private means. I use discrete choice models to predict demand for planned sustainable public transportation systems.

Measurement of option values and project appraisal for public transportation services

There have been a few attempts to apply the option value concept in the cost-benefit analysis for public transportation services. Option values can be interpreted in terms of a risk premium that individuals with uncertain demand are willing to pay over and above their expected user benefit for the continued availability of a transport facility.

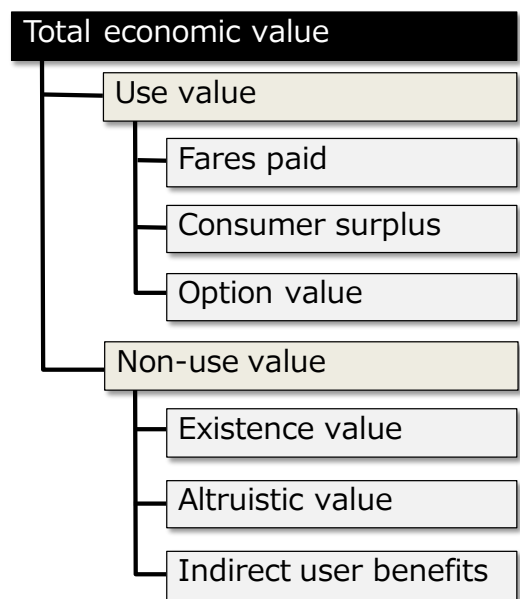


Fig. Classification of economic value

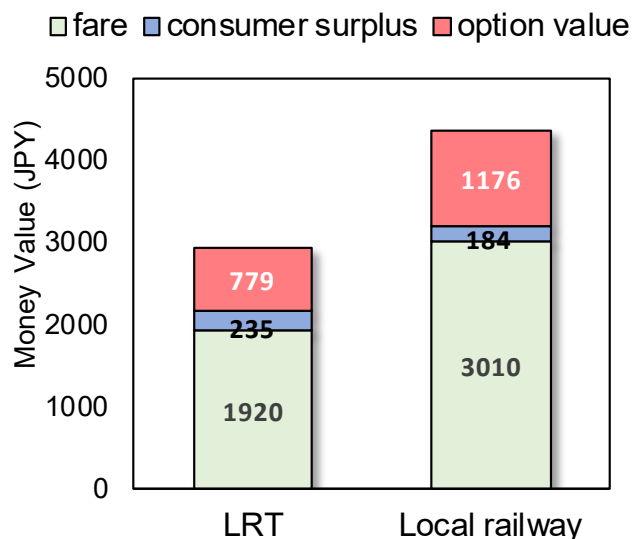


Fig. Estimated result of “Option value”