

**Demand Estimation Model of Inter-Regional Railway Passengers
Considering Multi-Mode Route Alternatives**

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This study attempts to develop a method for inter-regional train demand estimation considering multi-mode route alternatives. Some characteristics of route choice behavior among multi- and single-mode routes are indicated based on the original survey data. The modified C-logit type route choice model which is possible to solve path overlapping problems in multi-mode inter-regional transportation network is applied to route choice behavior of inter-regional passengers.