

Development of Demand Estimation Models for Inner-Regional Shinkansen Passengers

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The study focuses on shinkansen's passenger demand in inner-regional trips for daily life, such as commuting, short-distance trip for shopping, which are not necessarily considered in demand analyses and transportation planning for shinkansen lines. Person trip survey was conducted to sample such kinds of trips from the trips of shinkansen and limited express train passengers. Collected data was analyzed to make clear some characteristics of such kinds of demand. Lastly, this paper tried to develop demand estimation models for inner-regional shinkansen passengers based on revealed characteristics, and applied these models to demand estimation of planned shinkansen.