

Analyses of Travel Demand Variation Considering Users' Choice Behaviors on Urban Expressway Using ETC Data

The better knowledge of travel demand enhance the efficient

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Background

Travel demand and traffic management (TDM) aim to ensure the efficient use of existing roadway system.

implementations of TDM/ITS strategies.

Limitations of conventional methods:

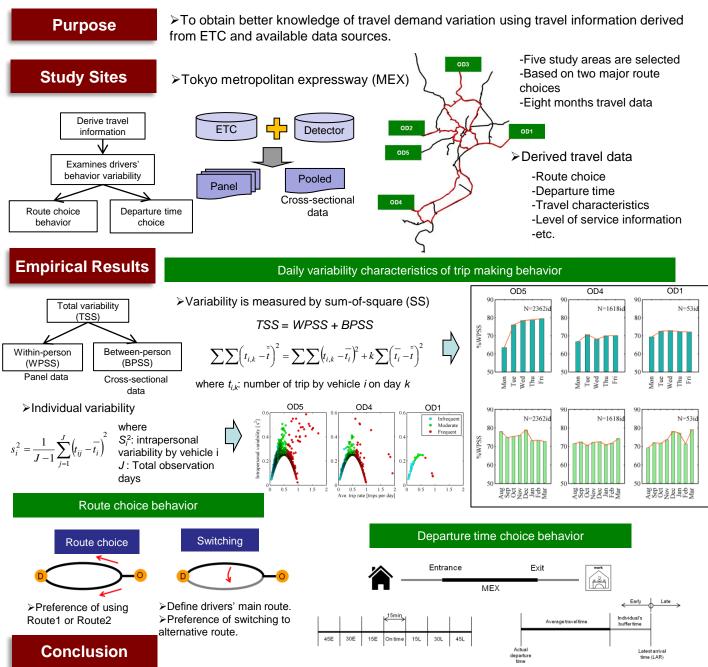
≻Collecting travel information is difficult.

Usually, based on stated preference (SP) data and small sample size.



On Metropolitan Expressway (MEX)

≻More than 90% of expressway users use ETC system.



➤A knowledge of travel demand variation is examined in both spatial (route choice) and temporal (departure time) dimension using revealed preference (RP) travel information from ETC and detector data.

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