

## **Development of a Method to Predict Passenger Numbers upon Resumption of Train Service**

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Faced with a sudden interruption to train service, passengers must decide what course of action to take. Namely, they can wait until service on the line resumes; make use of the extensive rail network, taking another less direct route to their destination; use an alternative means of transport such as bus or taxi; or cancel their travel plans altogether. The aim of this study is to obtain information on the number of trains required when service is resumed based on an estimation of passenger numbers, so that better methods of train rescheduling can be formulated. This paper shows how to predict passenger demand numbers upon resumption of train service.