

Fundamental Study on Train Passengers' Psychological Conditions During a Long Stoppage

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When a train stops between stations because of accidents or disasters, how long can passengers stay inside the train under forced conditions. We examined this question based on four types of passengers' postures during their stay in the train. For the people who are standing and holding on to a strap, the results indicate that the median endurable staying time is 60 minutes regardless of respondents' age or sex. Moreover, under the situation where passengers are difficult to get off the train, when resources such as water or food are distributed, it is shown that most passengers agree that distribution based on the principles of needs is more acceptable than on the principles of equality.