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However, this study has some limitations. Though the data sample was divided into three groups to consider an effect of traffic volume and results from three groups are stable, new samples of trajectory data on different location are required to confirm the validation of the results. Moreover, data for representing the transition from the following movement to the overtaking movement might be necessary to ensure that the proposed conditions for determining the timing of choosing the following or the overtaking are valid. These limitations should be paid in attention in further studies.

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