



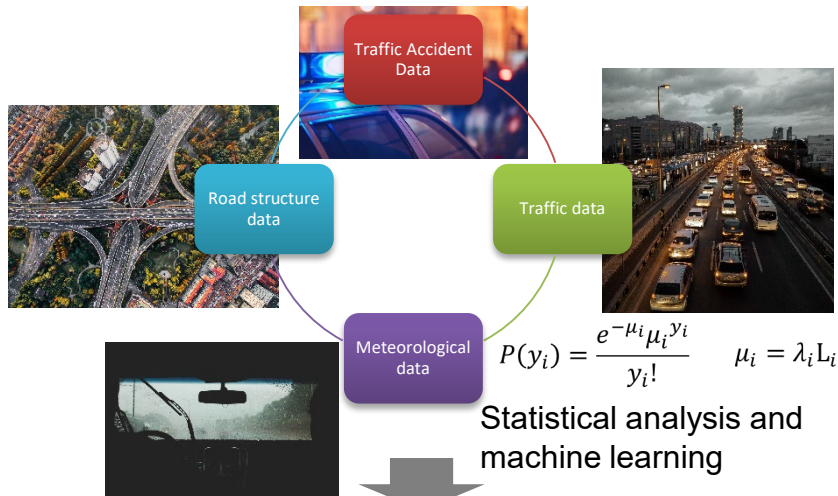
Faculty of  
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# <Research aimed at solving urban and regional transportation issues by utilizing a variety of transportation data>

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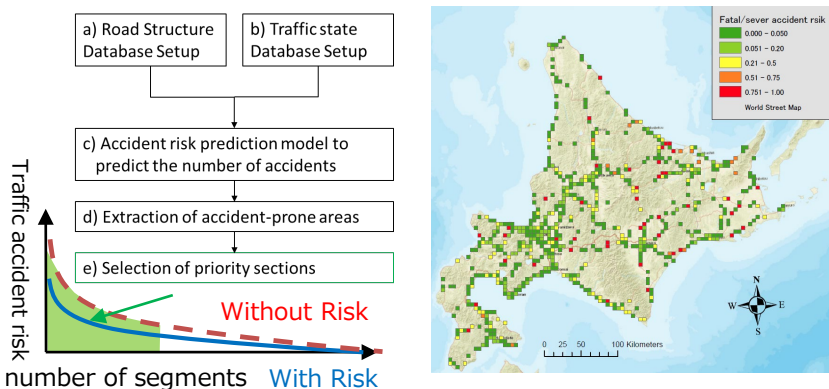
## Research: Research on traffic accident risk

Analyze the risk of traffic accidents by utilizing various observation data



○ Used to determine priorities and evaluate countermeasures

○ Example of visualization of estimated traffic accident risk by GIS



## <Research Summary>

In cities and regions, there are various traffic problems and issues such as traffic congestion and traffic accidents.

Our laboratory is conducting research on transportation behavior for transportation planning and policy making, research on theory building for design, operation, and control to realize smooth and safe transportation services, research on disaster transportation management, and research on how to improve regional transportation service levels by utilizing various types of transportation data. We are also conducting research on disaster traffic management and on how to improve regional traffic service standards.

Specifically, based on approaches such as machine learning and statistical analysis, we are working on research themes such as clarifying the actual situation of traffic accident risks and understanding traffic phenomena using various traffic observation data such as vehicle detector data, probe data, traffic accident data, and people flow data.

### Research Theme:

- Research on traffic safety and traffic accident risk
- Research on traffic phenomena
- Research on traffic behavior for traffic planning and traffic policy making
- Research on disaster traffic management

Keywords: <Traffic safety, traffic data, traffic accident risk>

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