Multi-scale and Collaborative Disaster Evacuation Planning Framework

Abstract

When emergency occurs, no tools are available to assist the decision-making of airline planning and coordination. In this project, we use big data and multi-agent modeling to integrate ADS-B data and weather information, to optimize and visualize the airspace strategic planning during disaster, and develop a forecast and recommendation system to aid the authorities and public for optimal airline evacuation process, by using the deep reinforcement learning technique.

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