An Innovative Tour Recommendation System for Tourists in Japan

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Abstract— **The paper demonstrates prototype of system that is capable of suggesting optimal touring plan which is composed of various points of interest (POI) and take travelers' preferences and context into account. By focusing on Tokyo metropolitan area as an example, it systematically collects and analyzes information on thousands of tourists attraction areas and geographical nodes of Japan Railway (JR) train stations together concurrent weather information, estimated travel time, associated expenses, and lists of multiple cultural events in order to demonstrate practicality as well as reliability of the system. A programmatic approach based on the heuristic greedy search is employed for transforming the obtained data into informative routes.**

Keyword— **e-tourism, travel planning system, web scraping, modeling, and data mining.**

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