Rating Inference for Custom Routes from Rich GPS Traces

Bachelor/Master

Summary
Design and develop a route planning system for custom dragable routes along with algorithms to match GPS traces and edges of the road network.

Project Phase
Implement the base route planning system along and integrate existing algorithms for a) mapping GPS traces to road network edges, and b) computing the overlap of the designed route to existing GPS traces.

Thesis Phase
Design and develop advanced methods for inferring a rating for a designed route based on the information of the GPS traces and the user’s preferences.

Requirements
- Experience in Java programming
- Course on Algorithms and Data Structures (or equivalent)

Preferable Courses (or equivalent)
- Big Data Management and Analysis
- Efficient Route Planning Techniques

Benefits
- Push state of the art and work with real-world applications
- Drink the best coffee at the University

Contact
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