Inferring Interests from Mobility and Social Interactions

Workshop on Analyzing Networks and Learning with Graphs
NIPS 2009
December 11, 2009 in Whistler, BC, Canada

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Technological Network

People Interests

Goal: Exploit social interactions to infer interests

A multi-label binary classification problem

Domain: Conference environments
Supervised Learning

Full knowledge ➔ Prediction of generic user interests based on movement similarity

Semi-Supervised

Limited interest knowledge ➔ Prediction of unlabeled users via label propagation

Results

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