

Inferring Interests from Mobility and Social Interactions

**Workshop on
Analyzing Networks and Learning with Graphs
NIPS 2009**

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Technological Network



People Interests



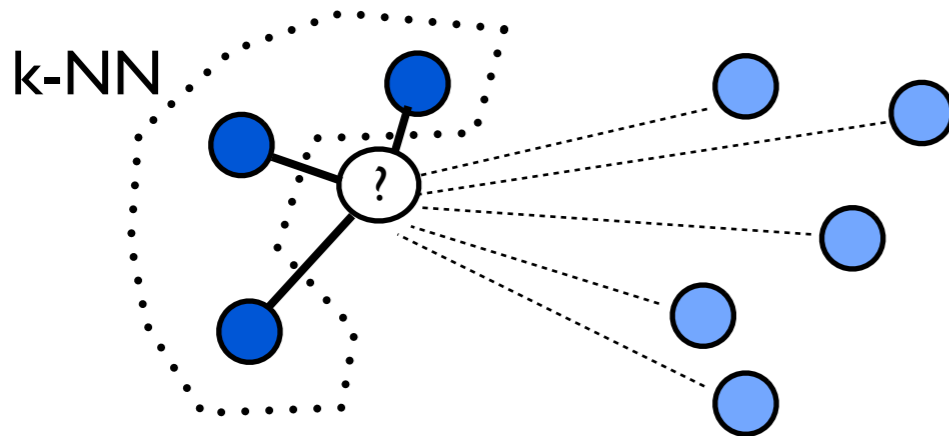
Goal : Exploit social interactions to infer interests

A multi-label binary classification problem

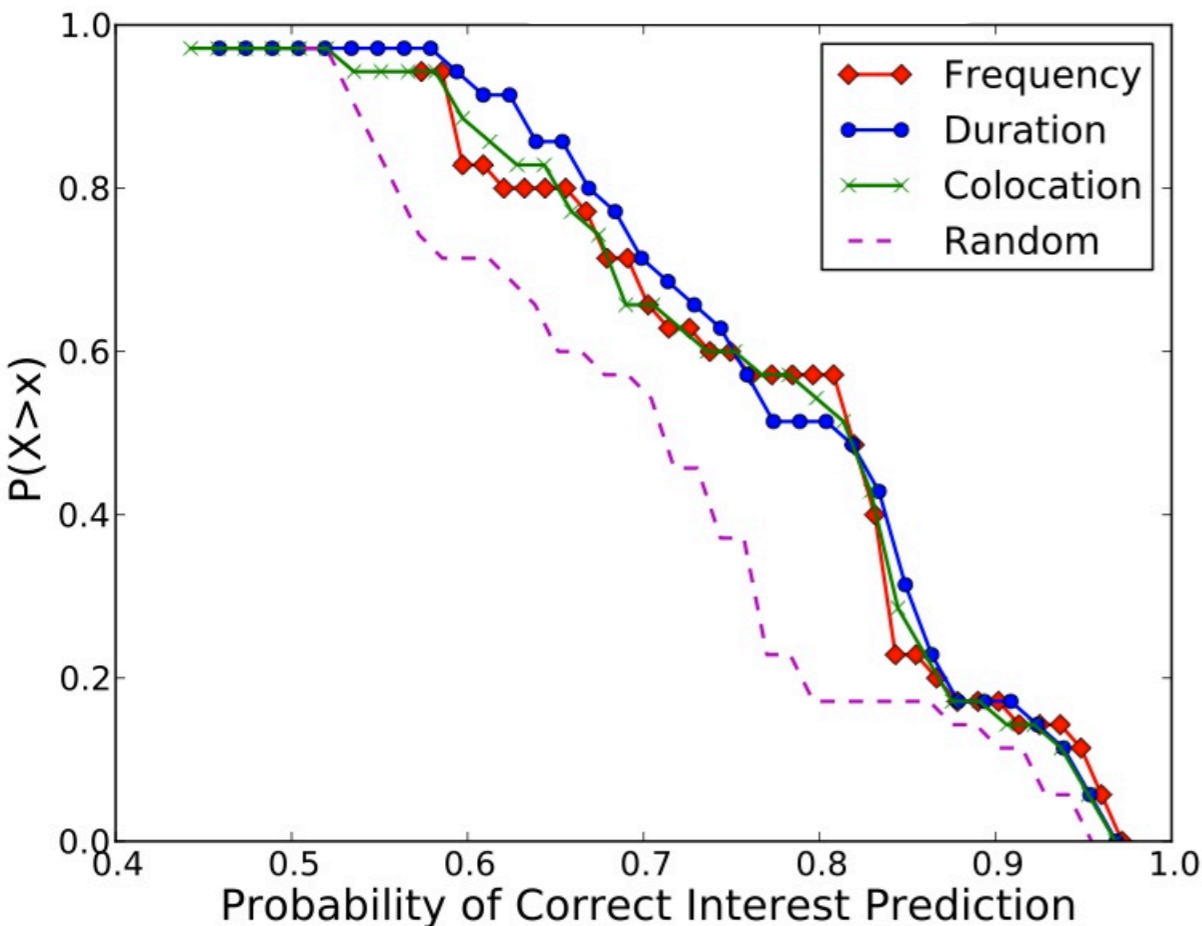
Domain : Conference environments

Supervised Learning

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

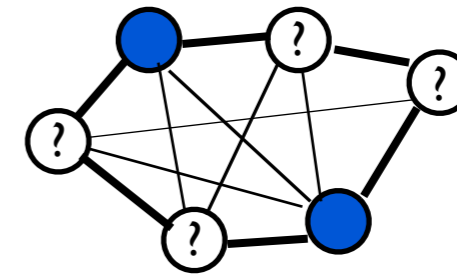


Results



Semi-Supervised

Limited interest knowledge → Prediction of unlabeled users via label propagation



Results

