Personalized Recommendation System for Questions to Answer on SuperUser

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Problem and Objective

- There are lots of questions on Q/A sites like
 SuperUser to answer.
- Want to recommend questions that are recent/active and relevant to users' interests

Our Contribution

- A system combining tags, community detection, and temporal features to create more accurate recommendations
- Over 50% of time, question user answers will be among the top 29 recommendations

Implementation Components

- Topic-relevance: How much question's tags match those of questions user has previously answered
- Question-activity model: Likelihood question will be answered, given elapsed
- Community-relevance: Detects user communities based on tags, and supplement user's tags with those from his community.

Related Work

- Anderson et al 2012: Predicts activity of a question on StackOverflow
- Pazzani et al 2007: Recommendation systems based on content

