Crowd Knowledge Generation And Acceleration



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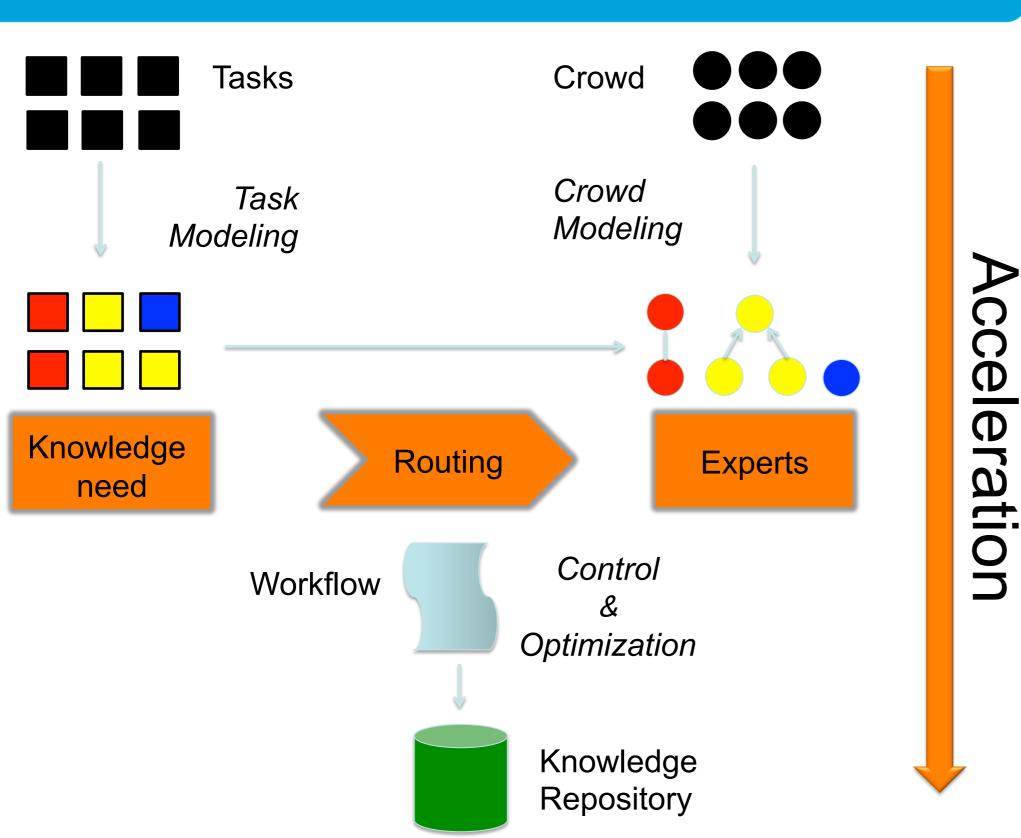
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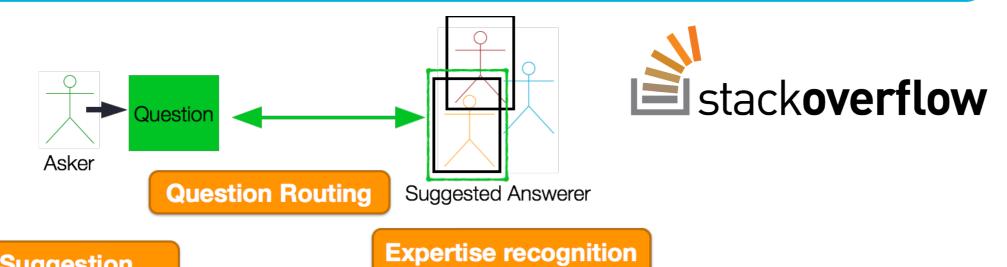




can experts from the crowd support knowledge creation and how can we accelerate this process?

Knowledge Creation Acceleration

Use case: Collaborative Q&A

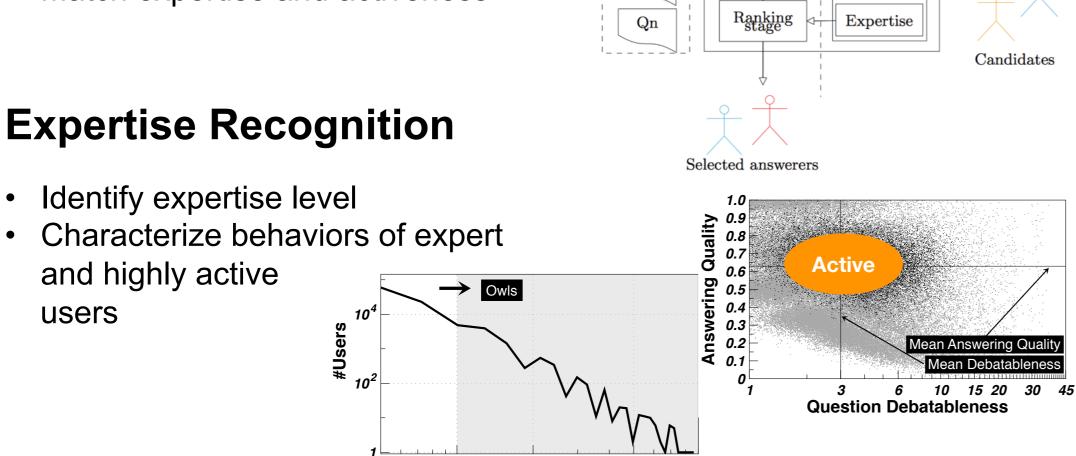


New Q's

Edit Suggestion

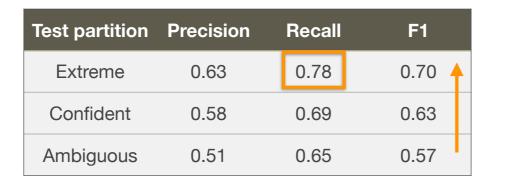
Question Routing

- Route question to the right users
- Match expertise and activeness



Edit Suggestion

- Automatic detection of question needing an edit
- Detection of edit type



Online routing Offline training

Interest

User Profiles

Matching

Q&A history

Knowledge Creation

Use case: Cultural Heritage annotation

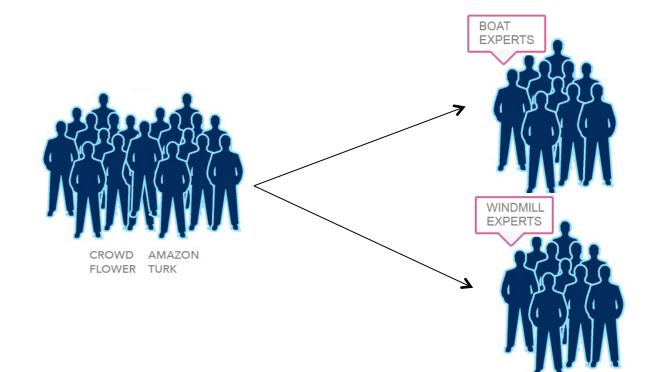
Task modeling

- Model knowledge need
- Identify subsets for a knowledge need

RUKS MUSEUM

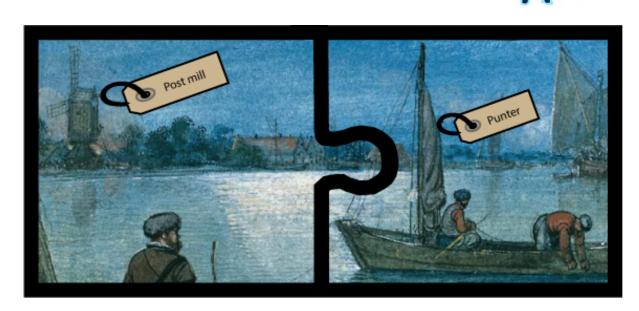
Crowd modeling

- Model topical properties like interest and expertise
- Model contextual properties like availability and motivation



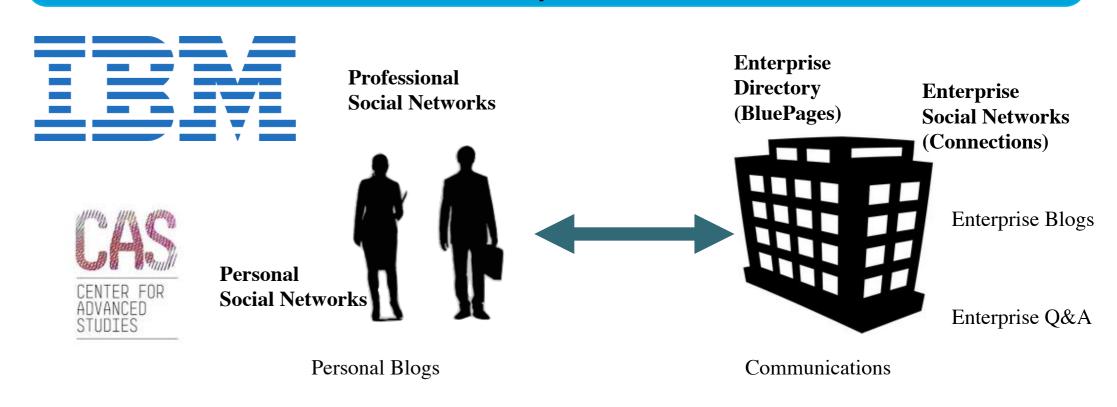
Knowledge creation

- Support annotator with relevant domain vocabularies
- Route artworks to the right crowd workers



Expert Finding and Engagement

Use case: Enterprise Gamification



Analyze the nature and extent of the corporate information that can be **explicitly** or implicitly observed from on-line social networks

Identify hard and soft **skills** to support expert finding and task allocation

Understand impact of personality traits on usage of IT infrastructure

Employ game **elements** to support user engagement, drive **social behavior**, and improve IT tools usage

