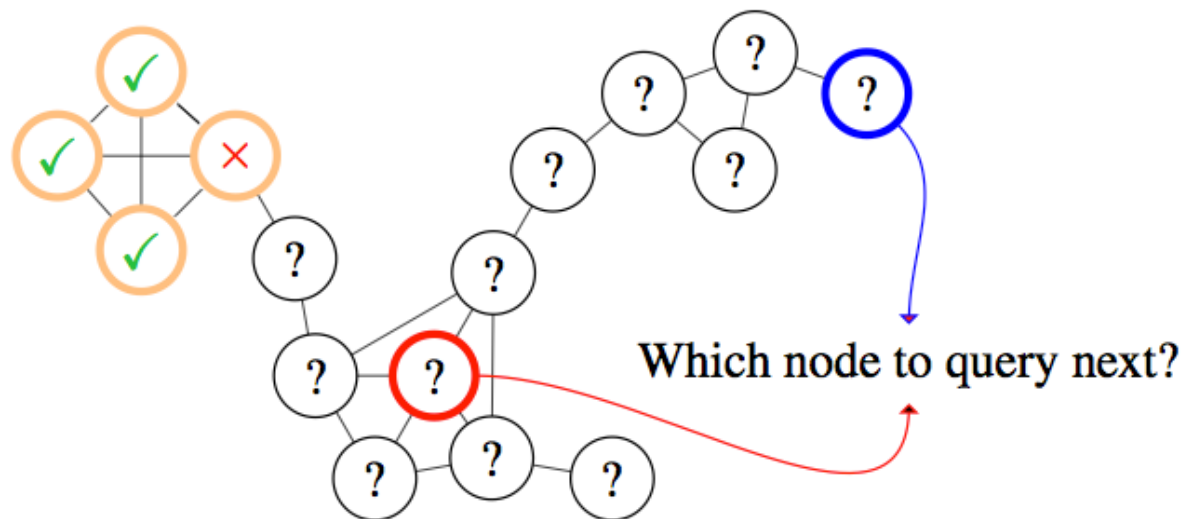


# Active Search and Bandits on Graphs Using $\Sigma$ -Optimality

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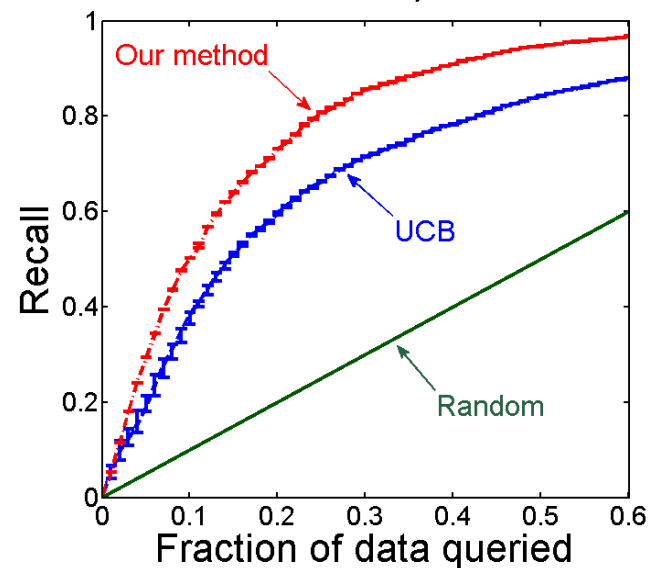
Auton  
Lab  
Carnegie Mellon

Microsoft Research



- UCB (Existing)
- $\Sigma$ -Opt (NEW!)

Experiment:  
Wiki links of cities, etc.



Assume: known graph; smooth label function

Task: find all  nodes interactively

Applications:

Find target e-mails, public opinion search, etc.

Spotlight 19. Paper ID 307.