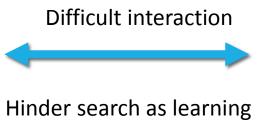
Finding, Understanding and Learning: Making Information Discovery Tasks Useful for Children and Teachers

ION MADRAZO, NEVENA DRAGOVIC AND SOLE PERA



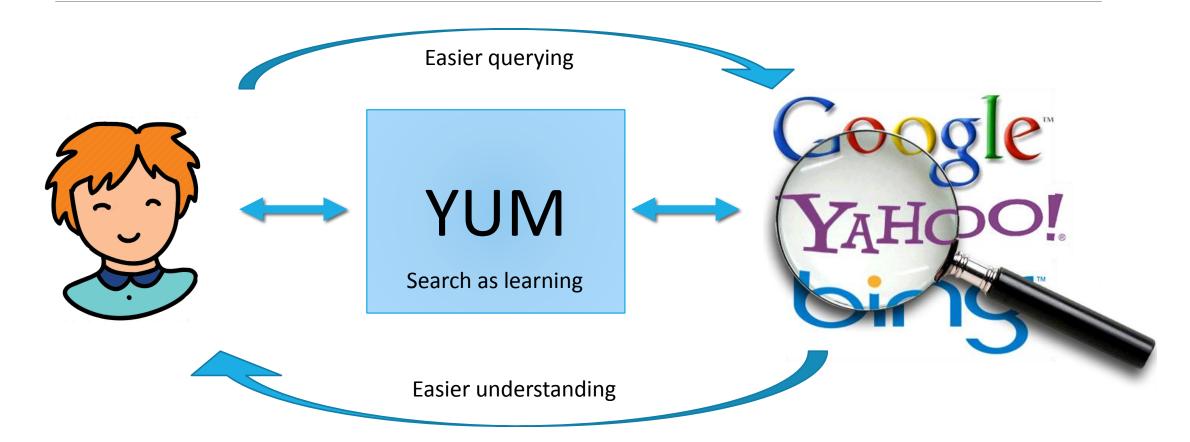
Motivation



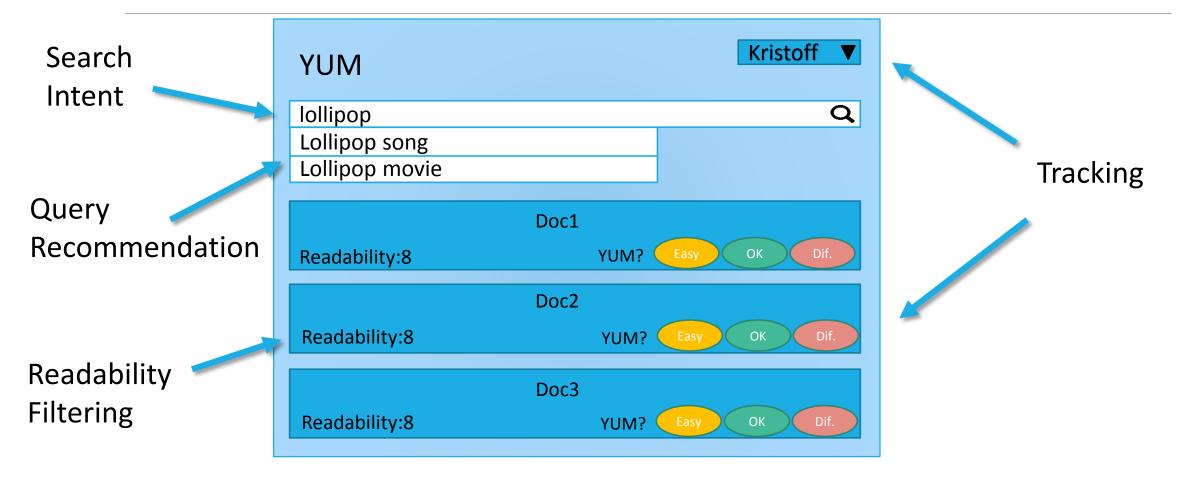




What is YouUnderstood.me (YUM)?



What Does YUM Offer Children?



Search Intent

Initial Query Sven the amaaazing raindeer of Frozen

Stop-word removal Sven amaaazing raindeer Frozen

Spelling for children Sven amazing reindeer Frozen

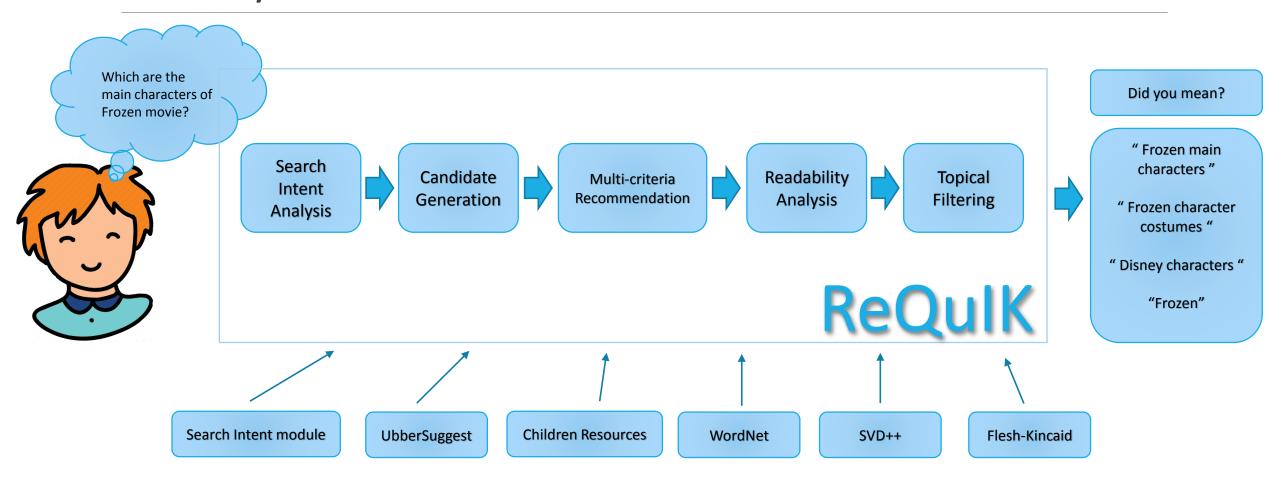
Children's relevant term detection Sven reindeer Frozen

Final Query Sven reindeer Frozen

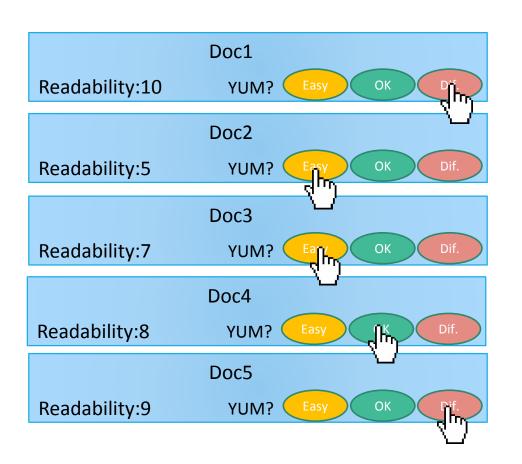


"Is Sven Seven?" A Search Intent Module for Children, Nevena Dragovic, Ion Madrazo Azpiazu, Maria Soledad Pera, SIGIR 2016

Query Recommendation



Tracking





Readability < 10

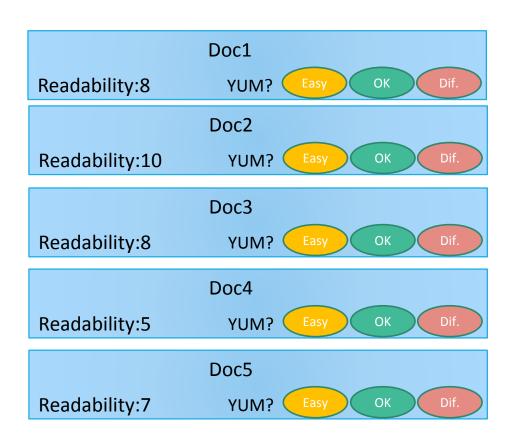
Readability > 5

Readability > 7

No constraint

Readability < 9

Filtering by Readability





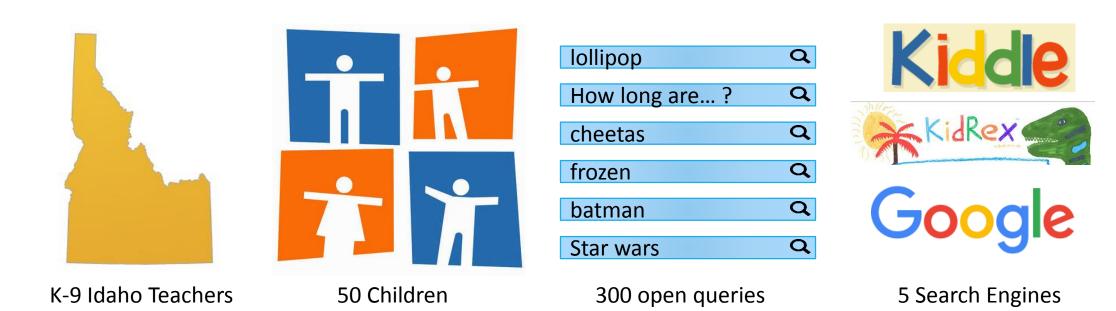




What Does YUM Offer Teachers?

Mr. Smith 8th Grade class Kristoff Readability: 8 Readability: 9 Anna Readability Sole Readability: 7 Nev Readability: 8 Time Readability: 7 Nick

Initial Study: Description



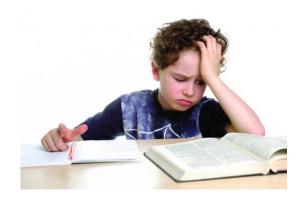
Initial Study: Results



5% less



Non-appropriate ads



Avg. Readability: >11



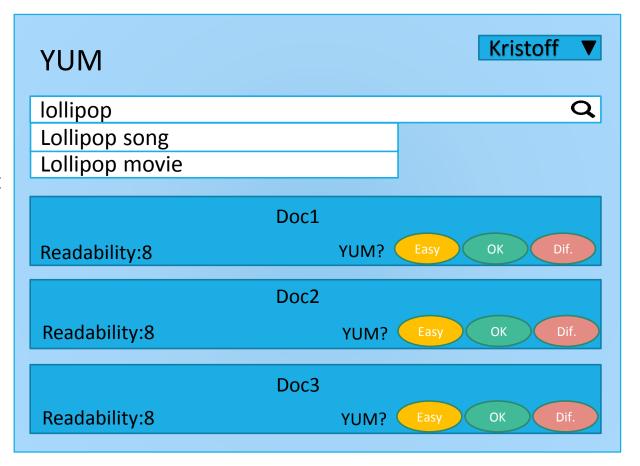
Poor adaptability



Poor aid for creating queries

Conclusion and Future Work

- Future work
 - Implicit feedback
 - *Ad-hoc readability formula
 - Further interaction between teacher and student



Thank You!

Special thanks to SIGIR Student travel grant.



