WikiFlash: Generating Flashcards from Wikipedia Articles

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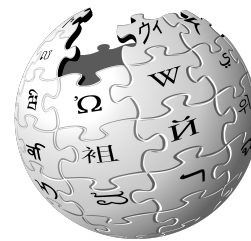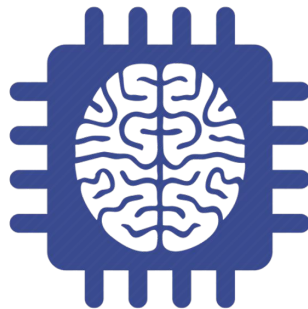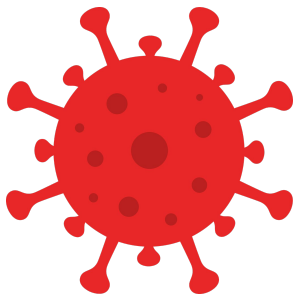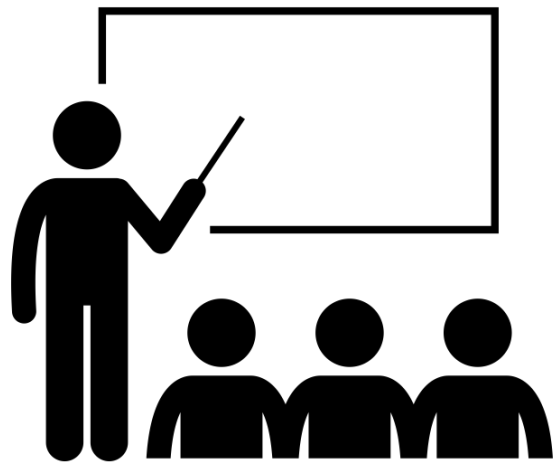
ETH Zurich
University of Zurich

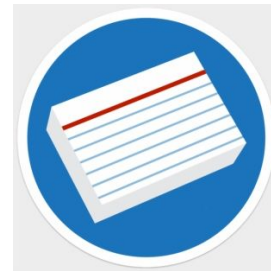Where was Alan Mathison Turing raised?

southern England

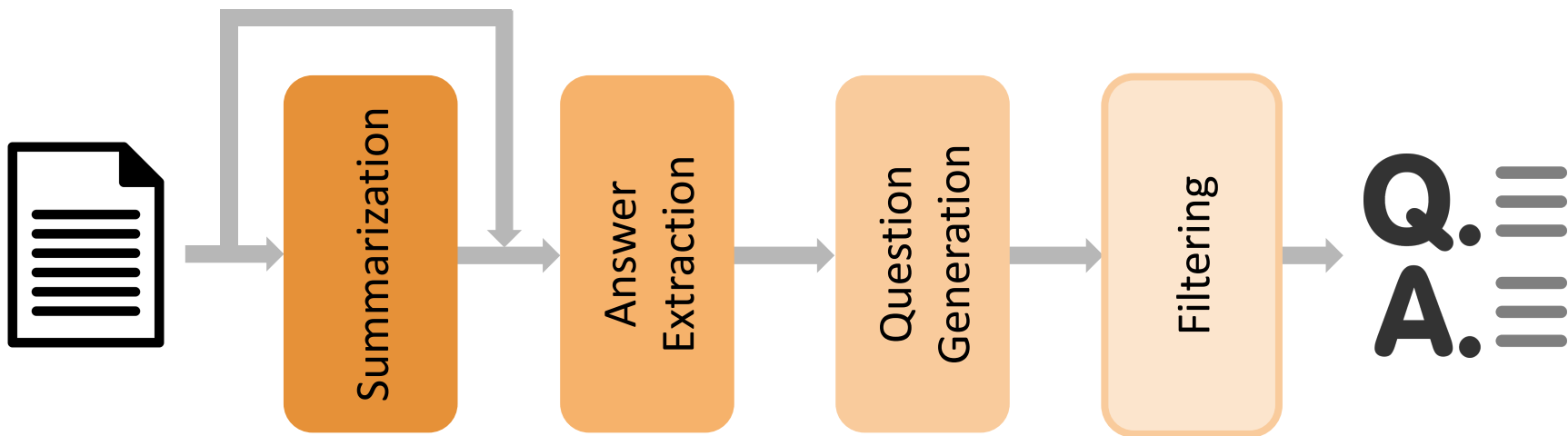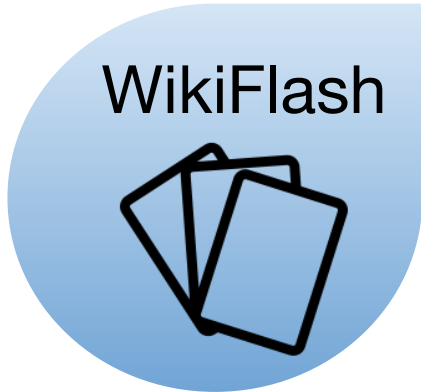What was Turing's alternative to prison?

chemical castration

WikiFlash

WikiFlash Pipeline

Outcome

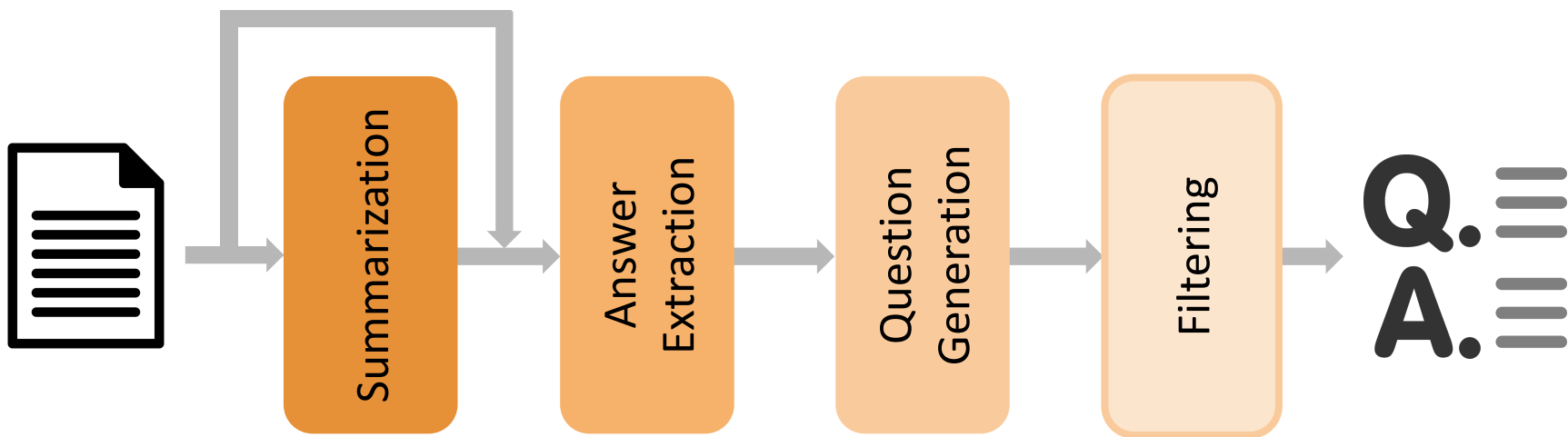Almost human-like Flashcards

WikiFlash
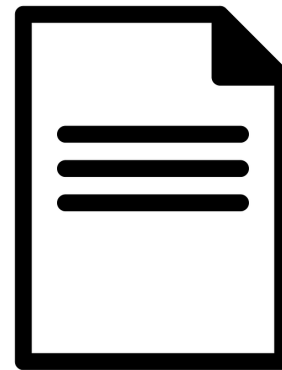
Free to use Application (flashcard.ethz.ch)

WikiFlash Pipeline

1) Summarization

2) Answer extraction
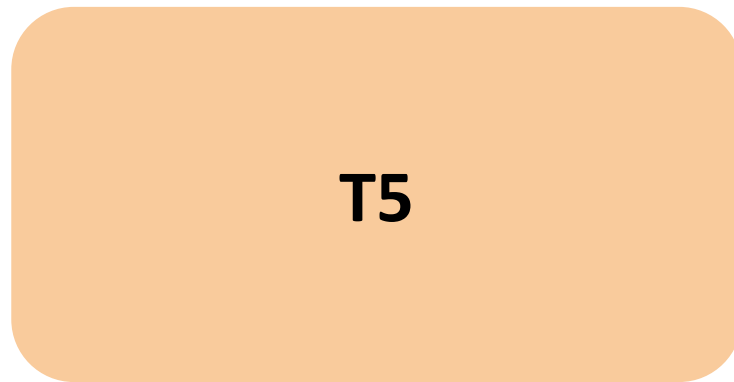
3) Question generation

4) Filtering

DistilBERT

Discard:

Less than **75%** overlap

+   duplicates and titles

Evaluation

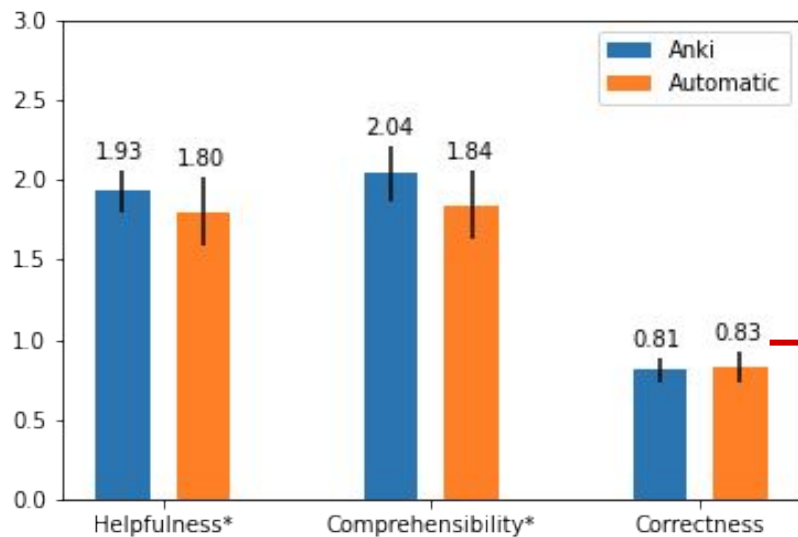|	Total #Qs	#Qs per section	Time (s)
Full article	148.2	10.4	240.5
Summarized article	120.5	8.6	151.2

User study

50 participants

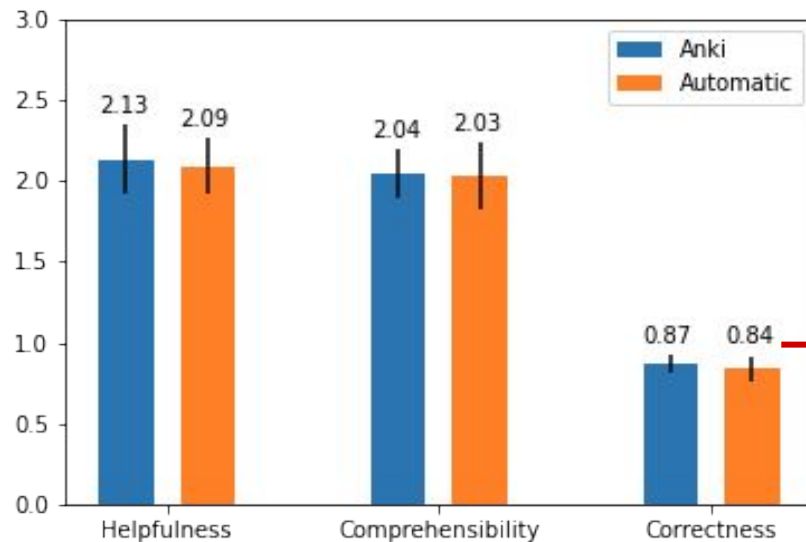**25** human cards (Anki) vs **25** WikiFlash

2 topics: History & Geography
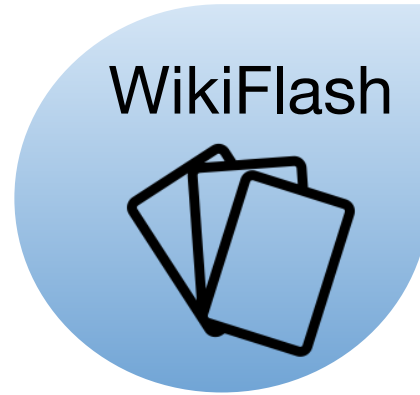
3 questions: Helpful? Comprehensible? Correct?

History

Geography

Demo

WikiFlash

http://flashcard.ethz.ch/