CS 4249 - Phenomena and Theories of Human Computer Interaction

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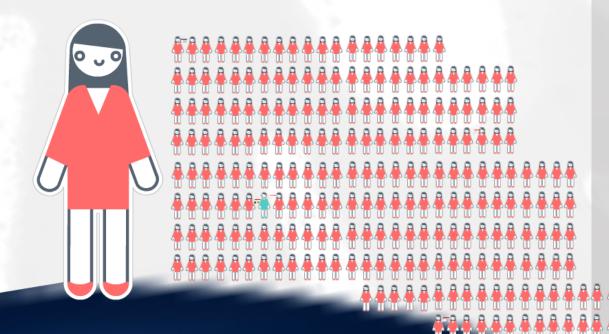
Eric Whitacre: A virtual choir 2,000 voices strong

Crowdsourcing

YouTube

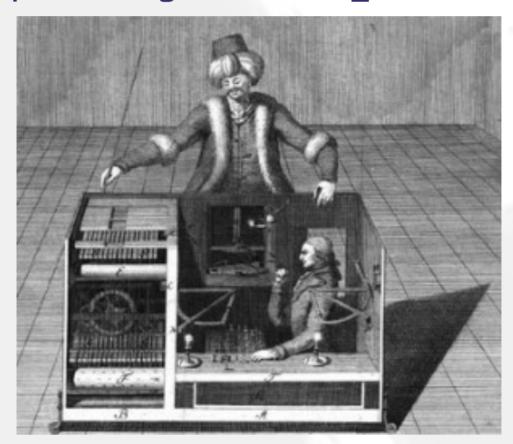
Eric Whitacre: A virtual choir 2,000 voices strong

Asking the general public to do work. Related to human-based computation.





http://en.wikipedia.org/wiki/The_Turk



Alan Turing!

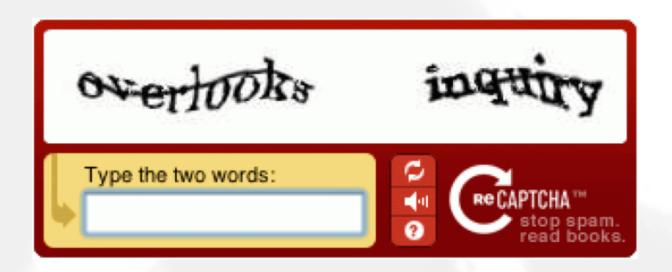
Origins: Captcha + Distributed Proofreading

Completely Automated Public Turing test to tell Computers and Humans Apart

+

Distributed Proofreading: Scholars wanted to proofread the scanned and recognized output of classic, out of copyright literature for the betterment of humanity.

Luis von Ahn: Re-Captcha



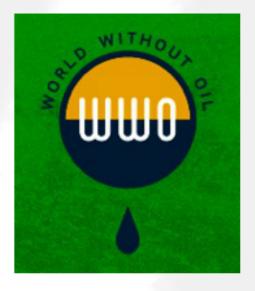
Leverage this to tell segregate people from robots.

Leverage this to have people help computers.

Games with a Purpose (GWAP)

Get people to play games to help do something useful (i.e., subbing entertainment for payment).

cf Jane McGonigal's earlier talk about games.

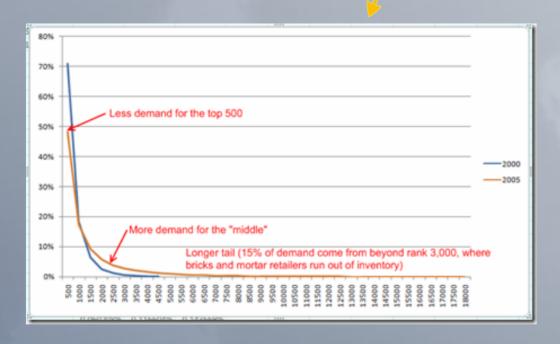




now synthesizing new proteins!

The Long Tail

Chris Anderson's description of the effect of the web. How Amazon, eBay, Netflix function and profit from web scale.



Quick Question: What is the ramification for universal usability?

Last Words

"Any sufficiently advanced technology is indistinguishable from magic." - Arthur C Clarke

Technology will continue to shrink, to the point it becomes invisible and ubiquitous.

Human Computer Interaction =>
Human Human Interaction