

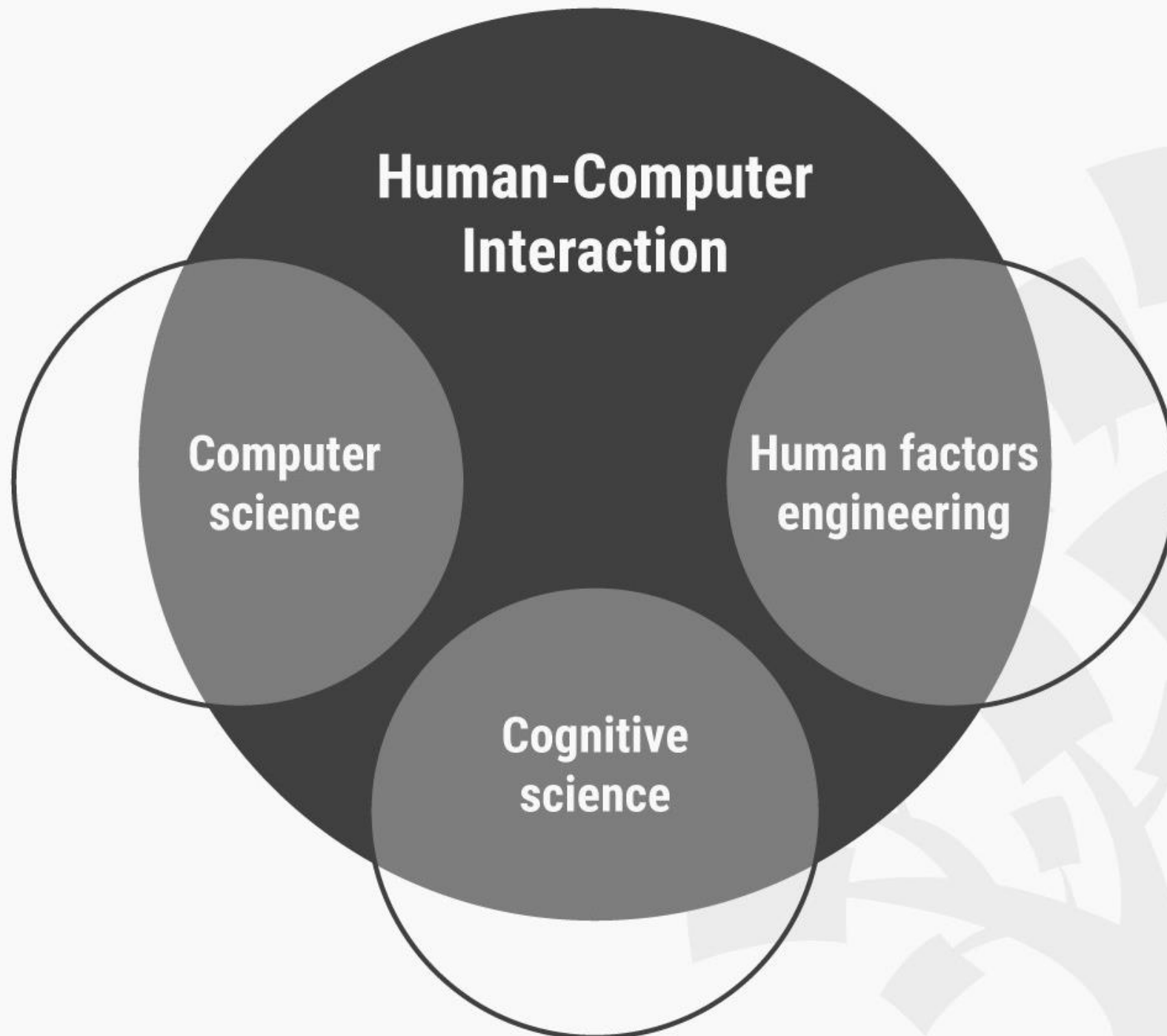
Human Computer Interaction research at Oxford

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Human Centered Computing

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Paula Fiddi



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Ross Gales



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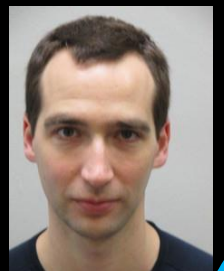
Nitin Agrawal

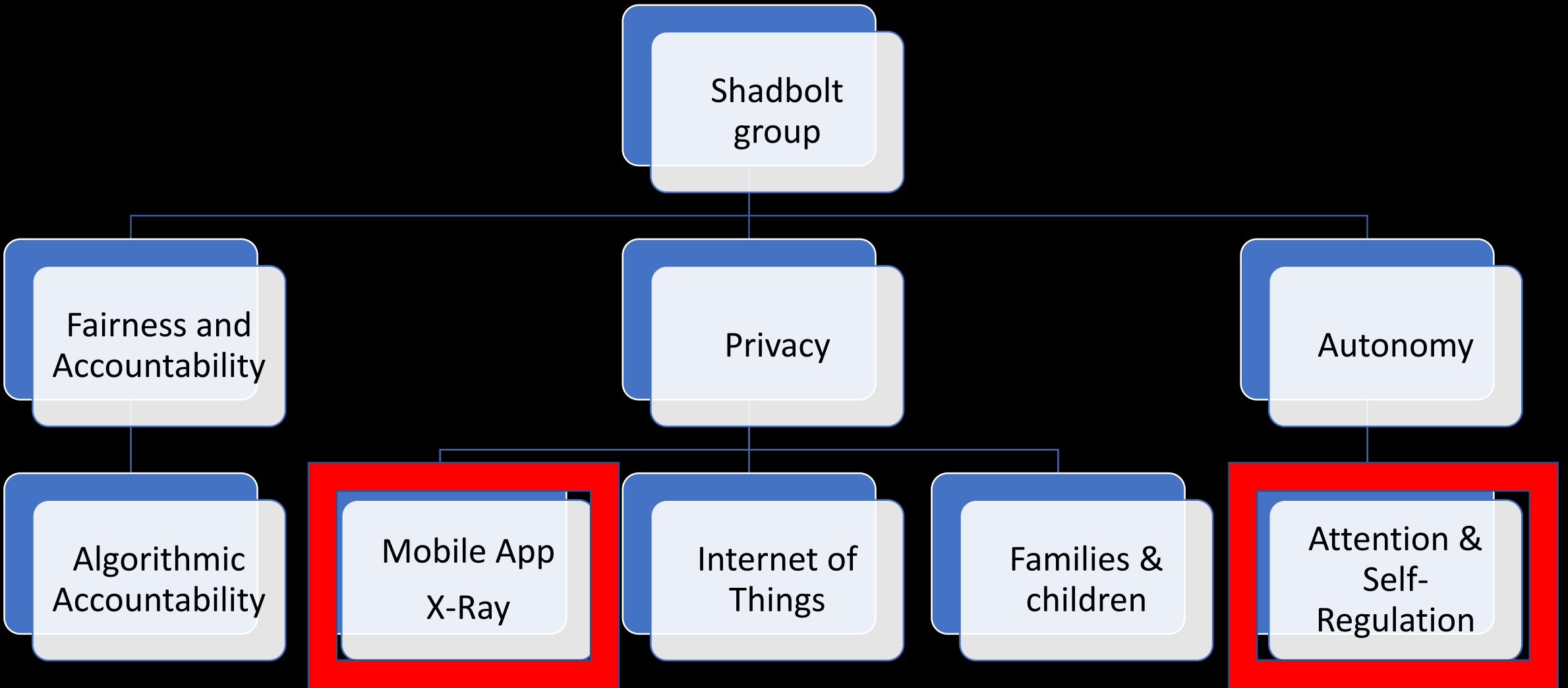


Ulrik Lyngs



Gatis Mikelsons





Mobile App X-Ray

Personal data harvesting by mobile phone apps is 'out of control'

The Times, 24/10/2018, p.17, Mark Bridge

<https://www.thetimes.co.uk/article/personal-data-harvesting-by-mobile-phone-apps-is-out-of-control-pb2m2kwkj>

Almost 90% of free apps on Google Play share users details

Mail Online UK (Web), 24/10/2018, Claire Duffin

<https://www.dailymail.co.uk/sciencetech/article-6309735/Almost-90-free-apps-Google-Play-share-users-details.html>

Mobile app data sharing "out of control"

BBC (Web), 23/10/2018

<https://www.bbc.co.uk/news/technology-45952466>

Apps gather a wealth of personal data

Financial Times, 24/10/2018, p.14, Aliya Ram

Radio: BBC Radio 5, Afternoon Edition

23/10/2018, 15:02

<https://www.bbc.co.uk/programmes/m0000t84>

TV: BBC News, The Briefing

24/10/2018, 05:01

<https://www.bbc.co.uk/programmes/b0bpbnc8>

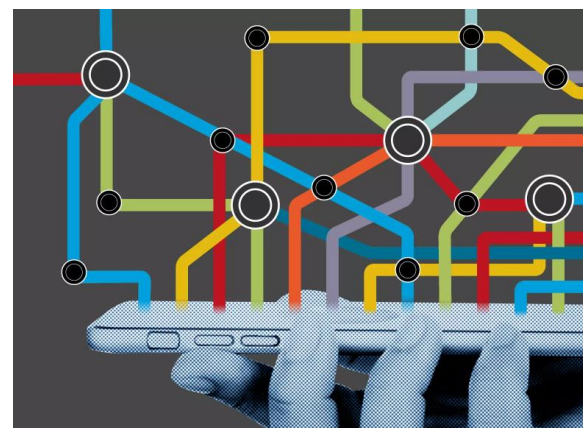
23/10/2018

How smartphone apps track users and share data

Technology

How smartphone apps track users and share data

Almost 9 in 10 Android apps are able to share data with Google, say researchers



FT Montage

By Aliya Ram, Aleksandra Wisniewska, Joanna S. Kao, Andrew Rininsland, Caroline Davies
5 HOURS AGO

A peer-reviewed [study](#) of almost 1m Android apps has revealed that smartphones are harvested and shared, with nearly 90 per cent of apps able to transfer information back to Google.

Researchers at Oxford university analysed approximately a third of the apps available in Google's Play Store in 2017 and found that the median app transfers data to 10 third parties, with one in five apps able to share data with more than 20.

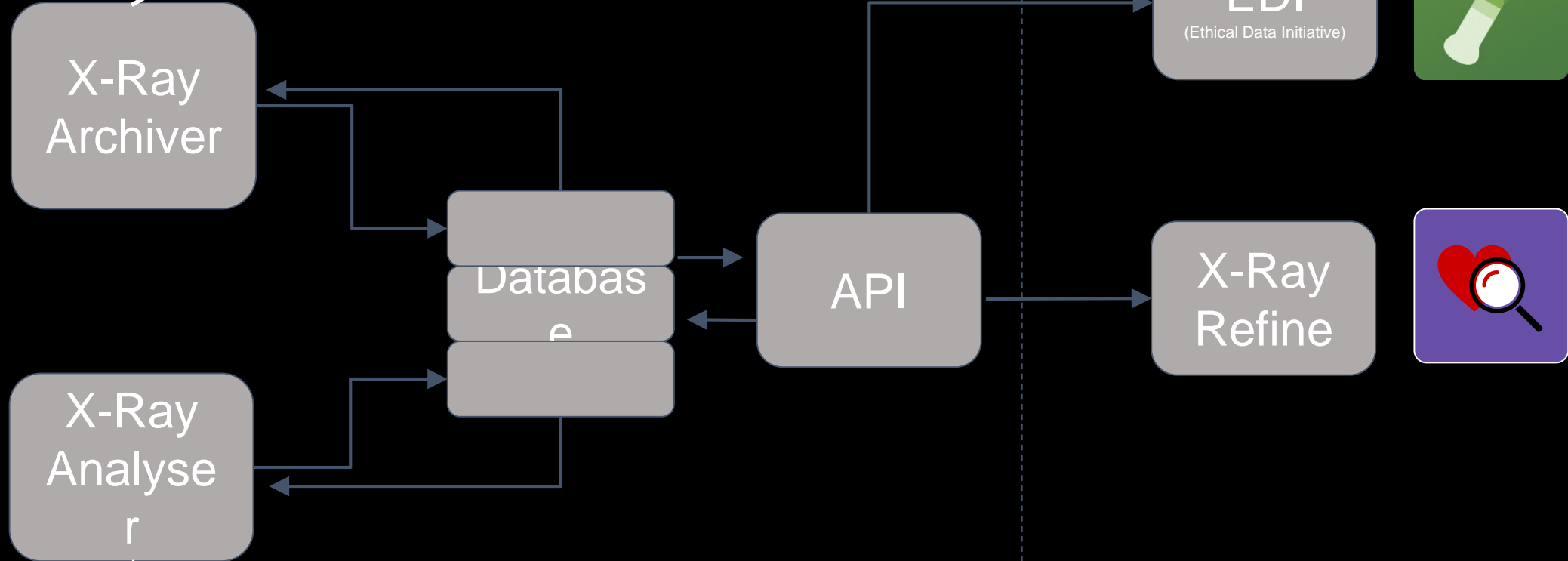
This year has seen unprecedented scrutiny over how websites and apps collect data from their users, but little attention has so far been paid to how

<https://ig.ft.com/mobile-app-data-trackers/>



1/13

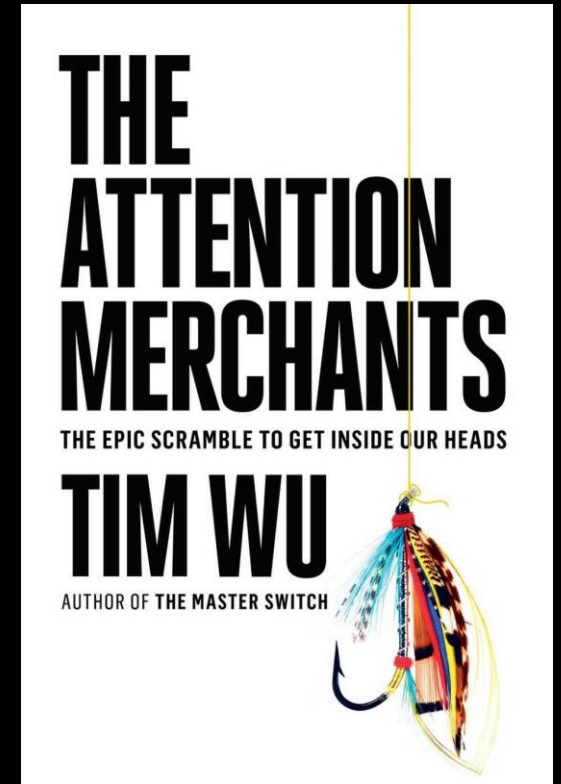
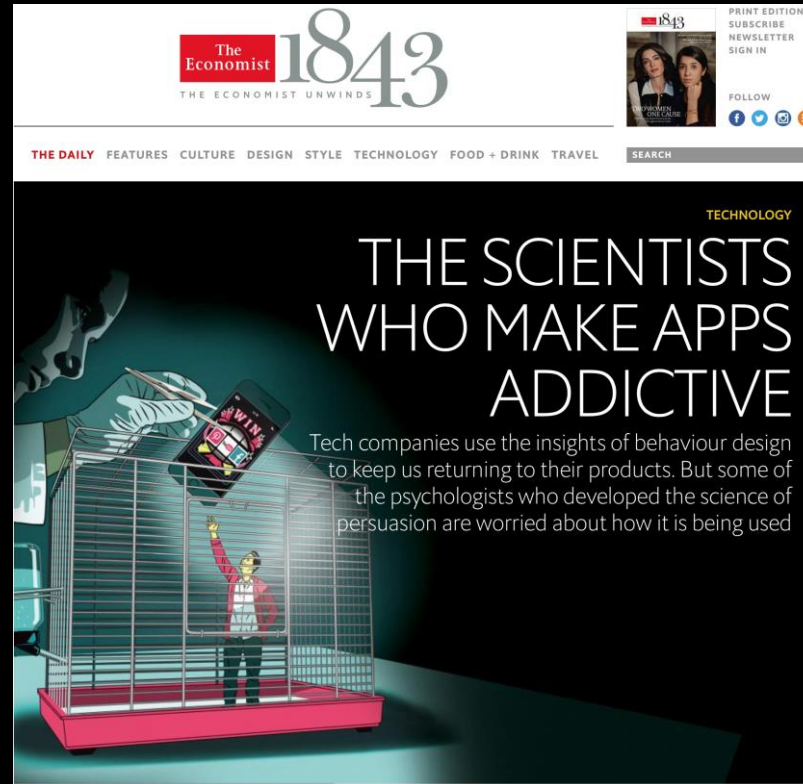
Grabs apps and metadata:
developers, descriptions,
ratings



Adds datapoints:
Permission requests,
... (not finished)

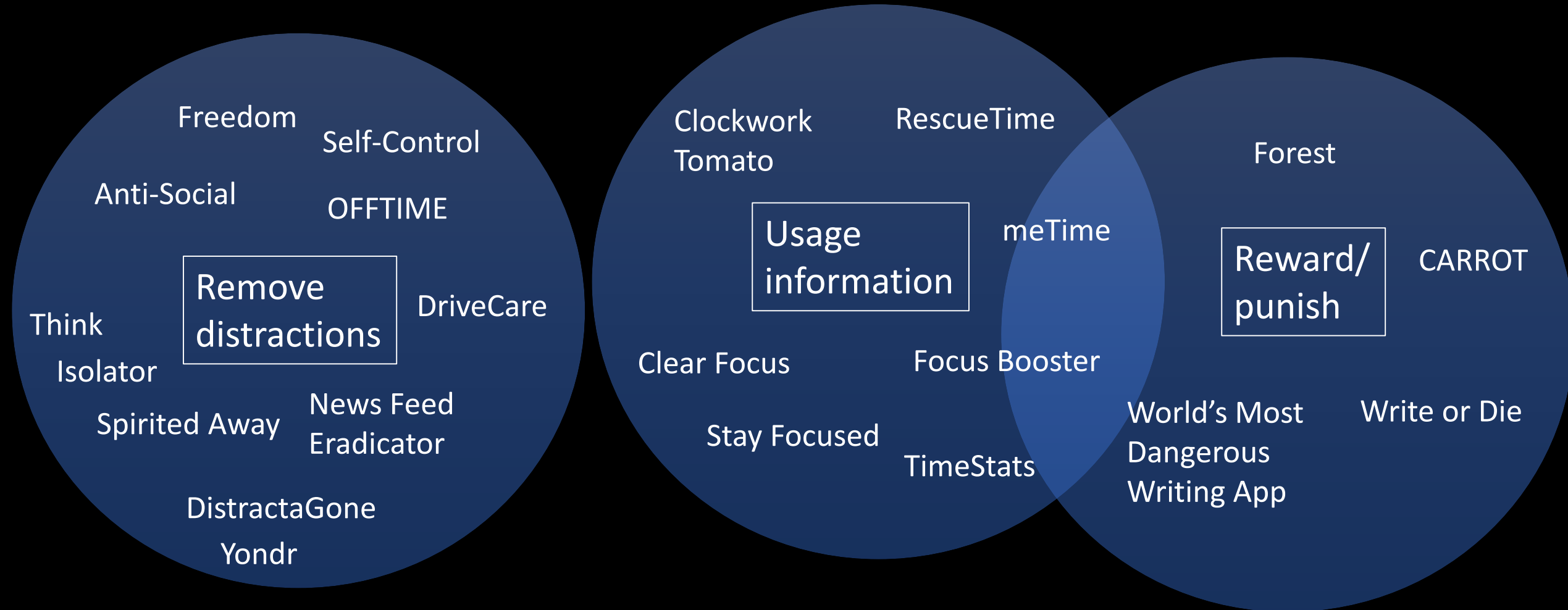
Attention & Self-Regulation

Constant connectivity – attention challenges



What does non-distracting
design look like?

The Anti-Distraction Market



Remove distractions

The screenshot shows a Facebook homepage for a user named Ulrik. The interface is cluttered with various elements that can be considered distractions. On the left, there's a sidebar with navigation options like News Feed, Messenger, and shortcuts to various groups and pages. The main content area is filled with a 'Create a Post' section, a 'TRENDING' section with articles about Fukushima and Alec Baldwin, a 'FRIEND REQUESTS' section with a request from Linacre Compliments, and a 'PEOPLE YOU MAY KNOW' section with a suggestion for Joseph Woods. Below these are 'SUGGESTED PAGES' featuring articles about Christopher Hitchens and Dawkins. The right sidebar shows a list of friends and group conversations. At the bottom, there's a language selector and a 'Turn on chat' notification.

Search Facebook

Ulrik Home

Create a Post Photo/Video Album

What's on your mind?

Photo/Video Feeling/Activity

Friends Post

5 events this week

Therese Koppe's birthday is today

TRENDING

Fukushima Daiichi Nuclear Power Plant
79K people talking about this

Alec Baldwin
110K people talking about this

Bradley Wiggins
2.3K people talking about this

See More

FRIEND REQUESTS See All

Linacre Compliments
29 mutual friends
Confirm Friend

PEOPLE YOU MAY KNOW See All

Joseph Woods
26 mutual friends
Add Friend

SUGGESTED PAGES See All

The Four Horsemen - Hitchens, Dawkins, Dennett
Public Figure · 32,962 likes
Like Page

Create Ad

English (US) · English (UK) · Polski · Español · Português (Brasil)

Laurent-Charles Lev... 1m

Philippe Syz 1h

François Hulot 1m

Andreas Lundberg 1m

Emma Ainsley 6h

Abbie Wilson 8m

Hilde Randa 1m

Kim Mai Pham 2h

Linda Marie Kai 25m

Rasmus Nicolas 27m

Sasja Ihn Christen... 23m

Mads Peder Pedersen 2h

Cheyenne Sechsgeld 1h

Joseph Woods 39m

Jakob Hausgaard Ly... 1m

Kirstine Rasmussen 1m

GROUP CONVERSATIONS

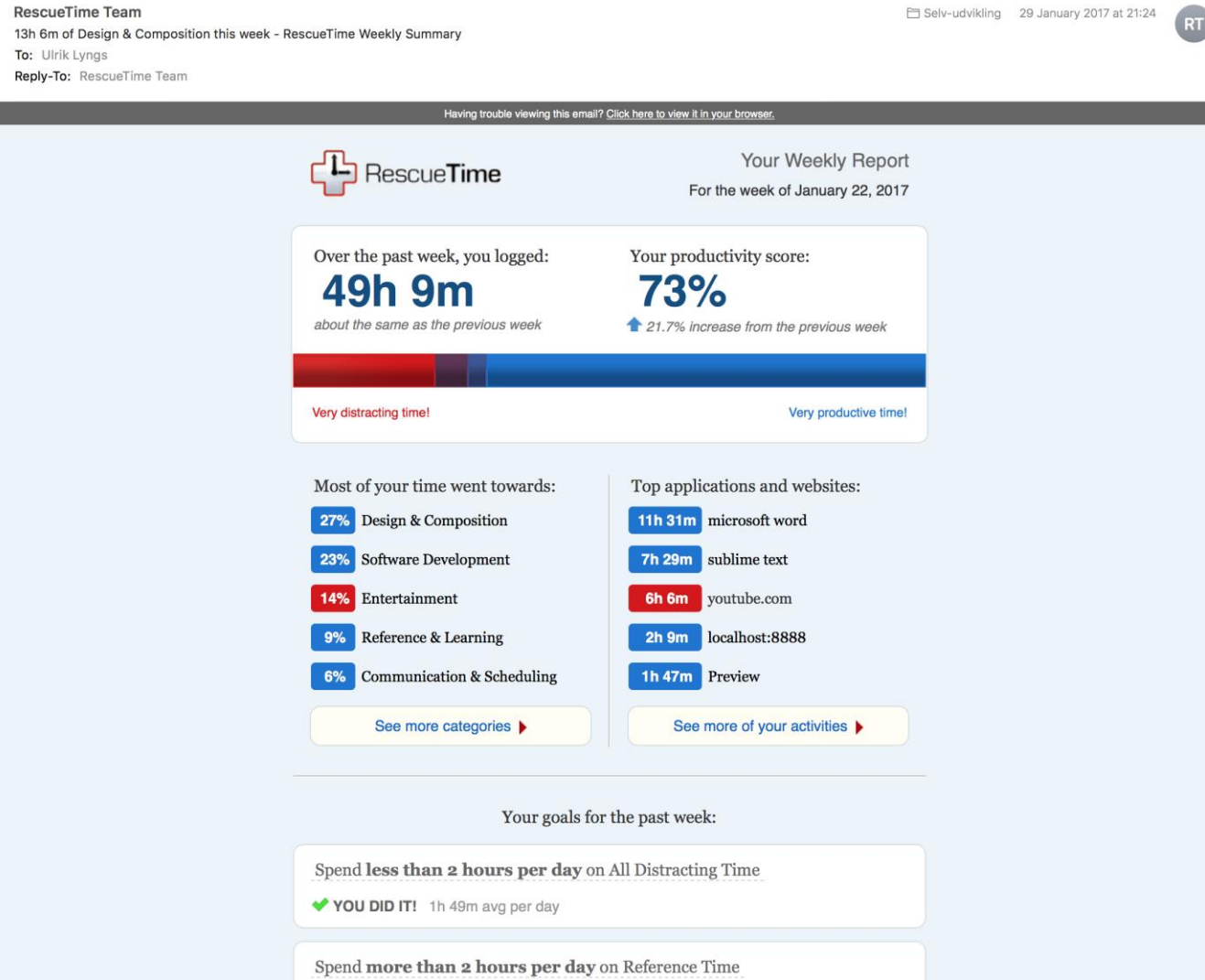
LERN Committee
Kevin, Naomi, Rodrigo, 5 others

Øjvind, Rosa, Ulrik

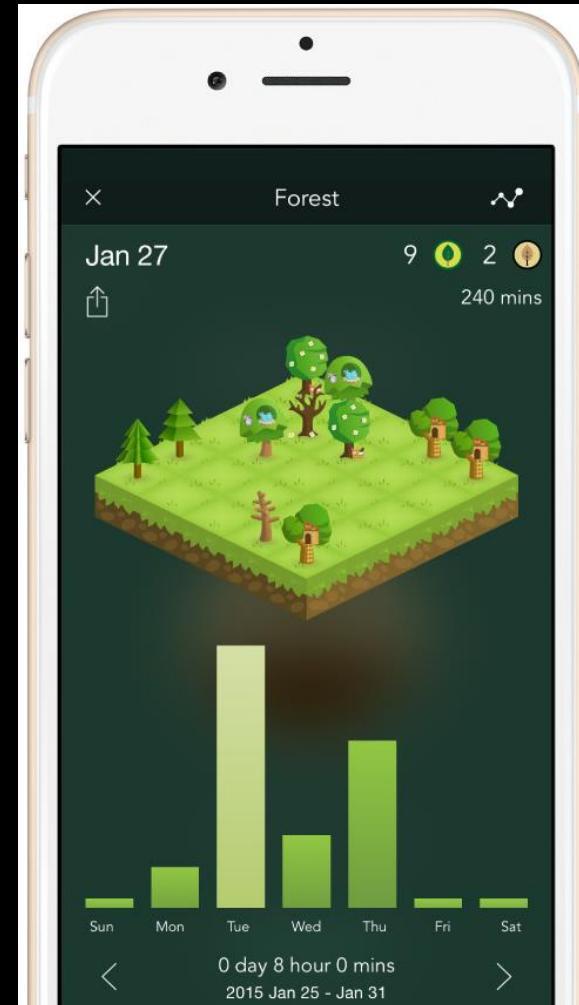
Turn on chat to see who's available.

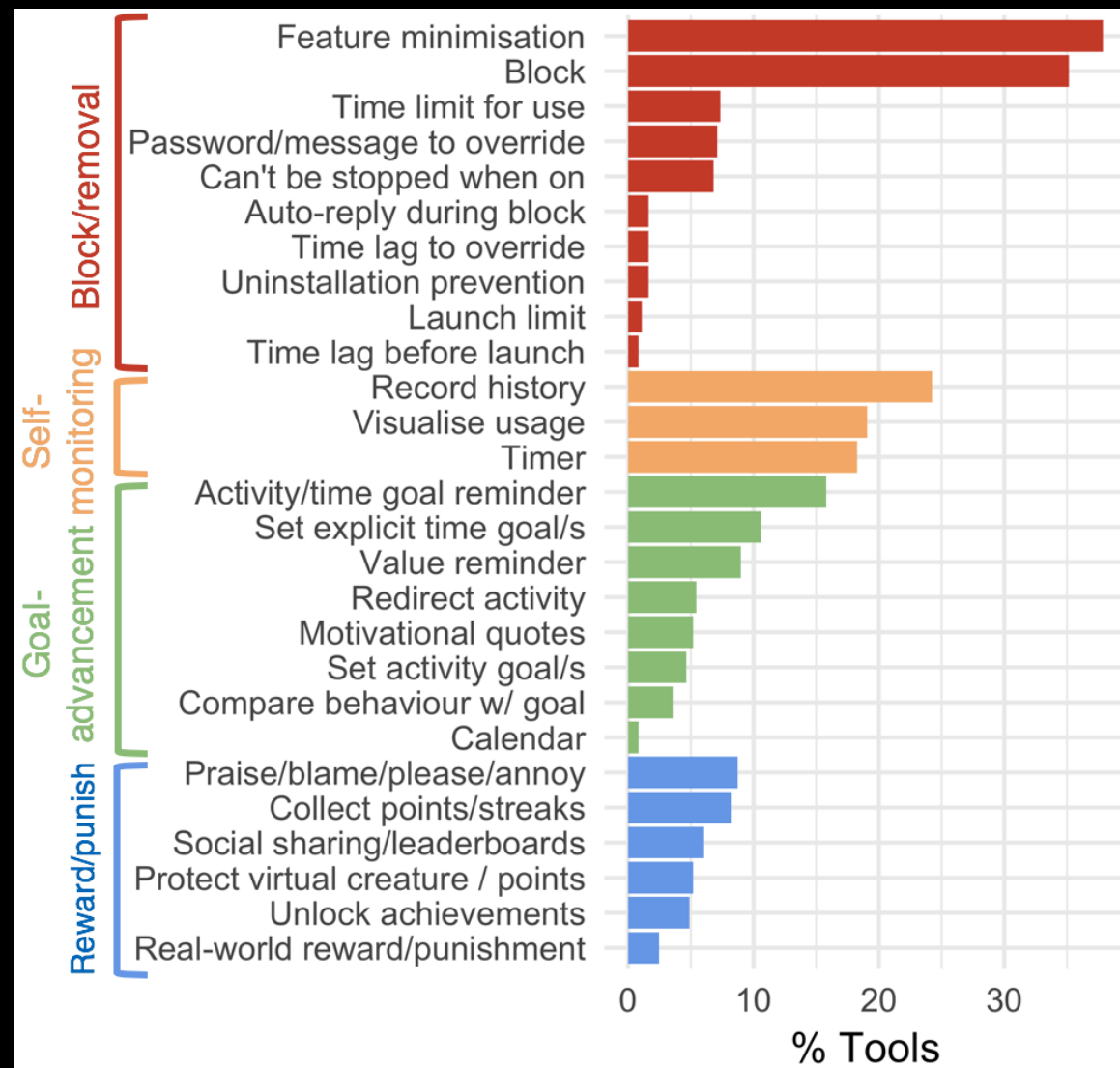
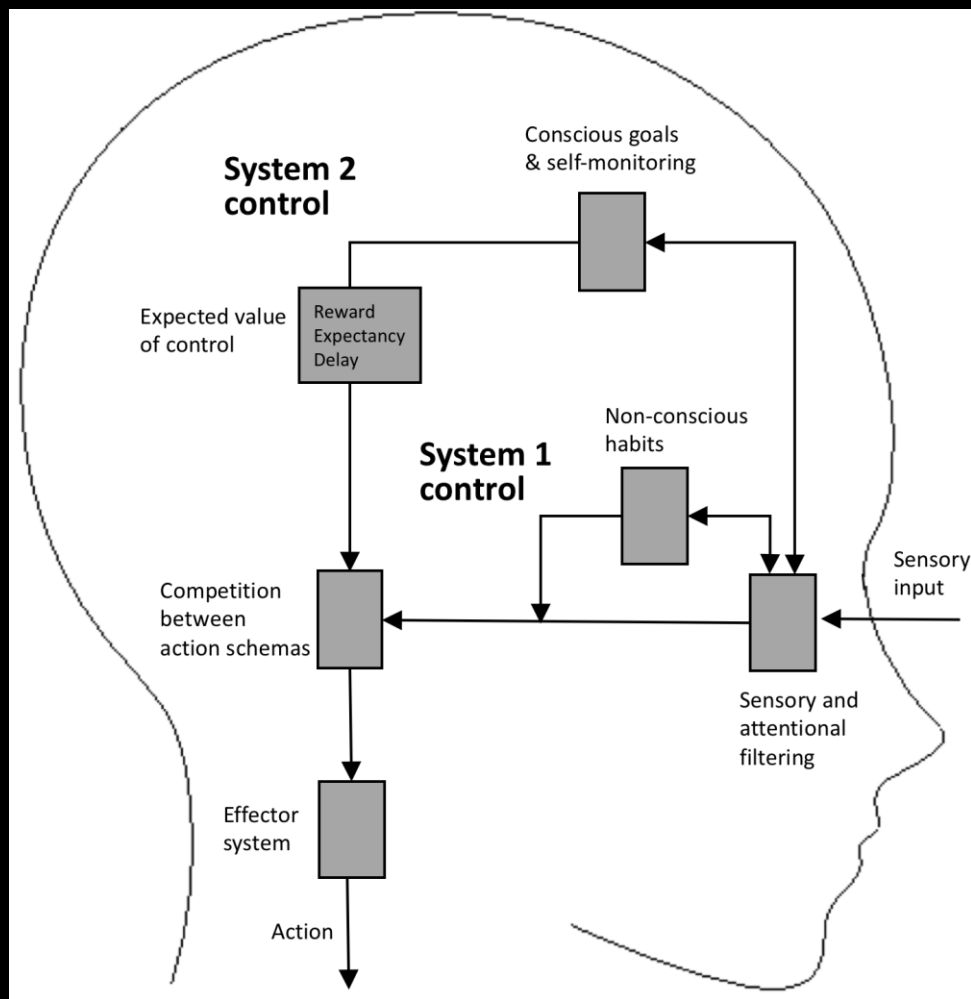
Search

Usage statistics



Reward/punish







Thank you