Human Computer Interaction research at Oxford

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CAN'T YOU DO ANYTHING RIGHT?
Human-Computer Interaction

- Computer science
- Human factors engineering
- Cognitive science
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-pb2m2kwki

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/b0bpbn8c
Grabs apps and metadata: developers, descriptions, ratings

X-Ray Archiver

X-Ray Analyser

Databases

API

EDI (Ethical Data Initiative)

X-Ray Refine

Adds datapoints: Permission requests, hosts (data sinks)
Attention & Self-Regulation
Constant connectivity – attention challenges
What does non-distracting design look like?
The Anti-Distraction Market

- Remove distractions
  - Freedom
  - Self-Control
  - Anti-Social
  - OFFTIME
  - Think
  - Isolator
  - Spirited Away
  - News Feed Eradicator
  - DistractaGone
  - Yondr

- Usage information
  - Clockwork Tomato
  - RescueTime
  - meTime
  - Clear Focus
  - Stay Focused
  - Focus Booster
  - TimeStats

- Reward/punish
  - World’s Most Dangerous Writing App
  - Forest
  - CARROT
  - Write or Die

- DriveCare
Remove distractions
Usage statistics

RescueTime Team
13th-18th of Design & Composition this week - RescueTime Weekly Summary
To: Ulrik Lyngs
Reply-To: RescueTime Team

Having trouble reading this email? Click here to view it in your browser.

Your Weekly Report
For the week of January 22, 2017

Over the past week, you logged:
49h 9m
about the same as the previous week

Your productivity score:
73%
△ 21.7% increase from the previous week

Most of your time went towards:
27% Design & Composition
23% Software Development
14% Entertainment
9% Reference & Learning
8% Communication & Scheduling

Top applications and websites:
11h 31m microsoft word
7h 29m htmltime tool
6h 6m youtube.com
5h 5m localhost:8888
1h 47m Preview

Your goals for the past week:
Spend less than 2 hours per day on All Distractions Time
\(\text{YOU DID IT}\) 1h 49m avg per day

Spend more than 2 hours per day on Reference Time
Reward/punish
Thank you