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Ebony Glover, Arrested?

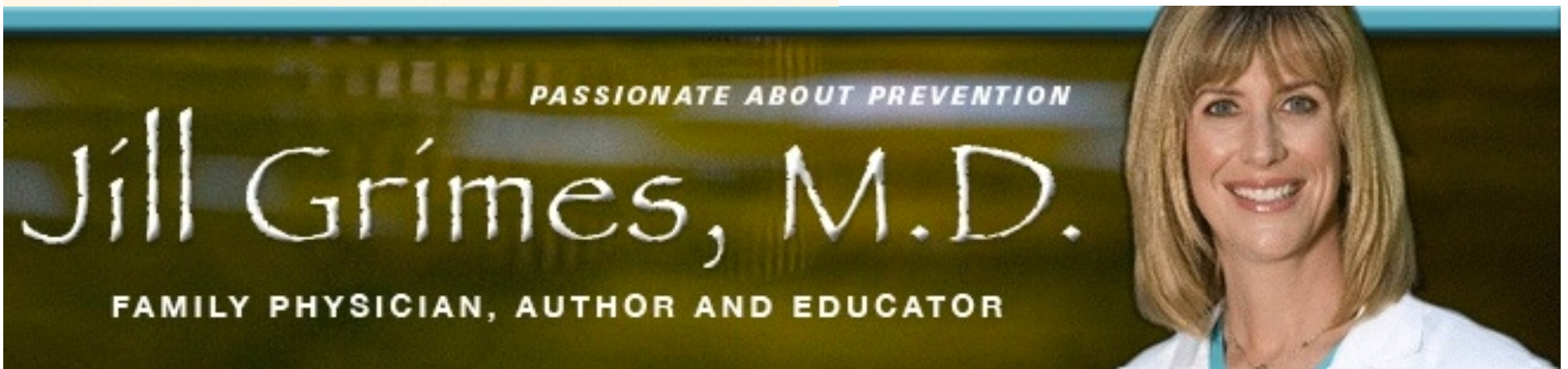
www.instantcheckmate.com/

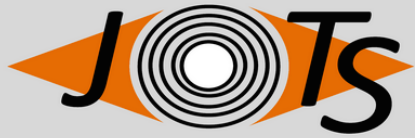
1) Enter Name and State. 2) Access Full Background Checks Instantly.

Located: Jill Grimes

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Information found on **Jill Grimes** **Jill Grimes** found in database.






Technology Science

...how technology impacts humans.

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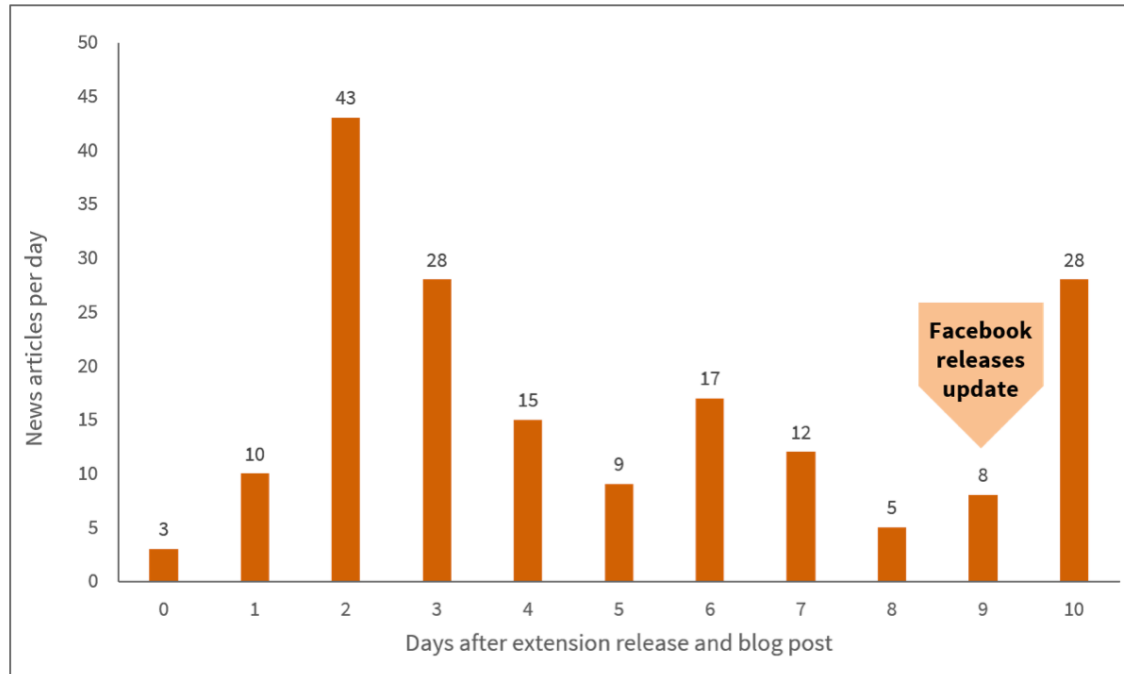
How technology impacts humans.

- 50 researchers, educators worldwide
- Unforeseen consequences
- Scientific facts for civil society and government discourse

techscience.org

Facebook's Privacy Incident Response: a study of geolocation sharing on Facebook Messenger

Aran Khanna



News coverage by day

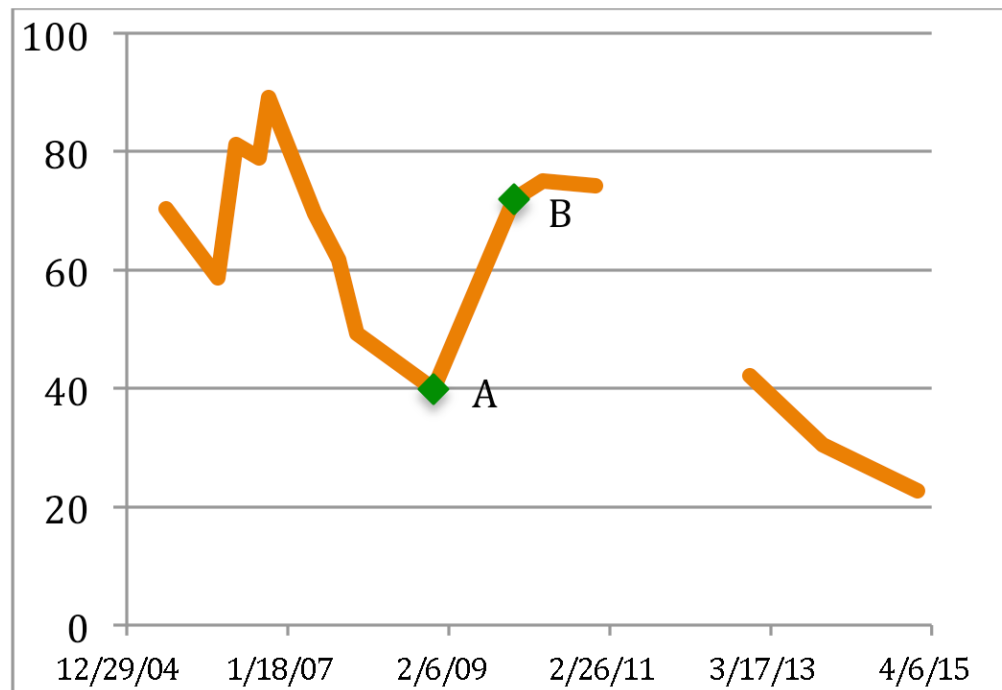
- In 2012, a media outlet reported that Facebook Messenger shared personal geolocations by default
- In 2015, my demonstration displayed Facebook's shared data on a map; it was downloaded over 85,000 times
- After 9 days of news coverage, Facebook released an update that requires a user's permission to share geolocations

Published 2015-08-11

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Did You Really Agree to That?: The Evolution of Facebook's Privacy Policy

Jennifer Shore and Jill Steinman



Facebook privacy policy rating over time.

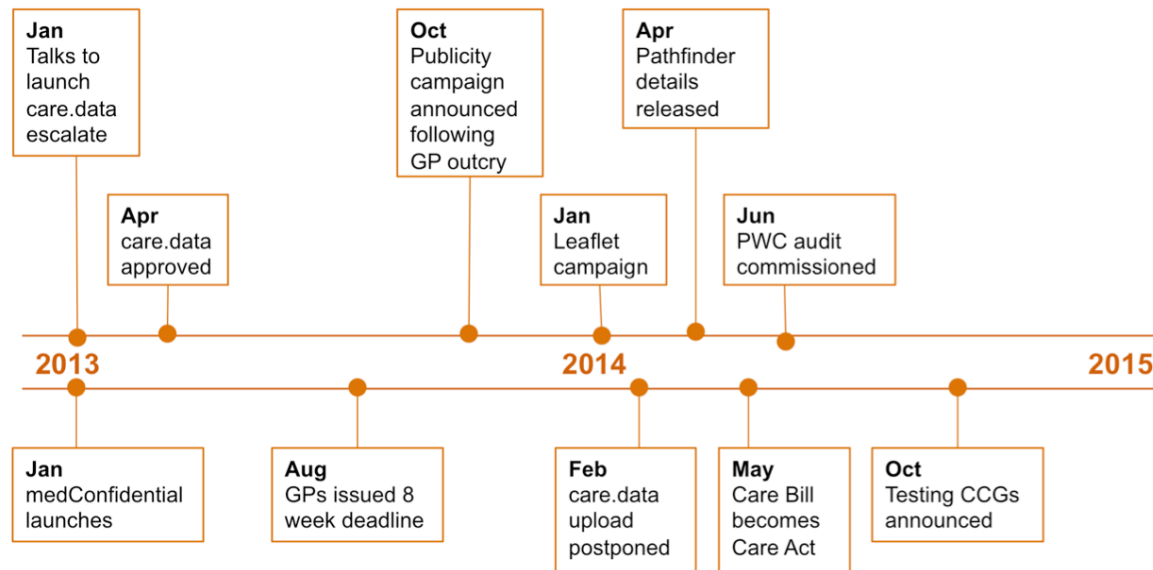
- We examined changes to Facebook's Privacy Policy from 2005 to 2015 using the relevant parts of the 2008 Patient Privacy Rights (PPR) framework
- We found that Facebook's score declined by 2015 in 22 of 33 measures on a 5-point scale, including the extent of internet monitoring, informing users about what is shared with 3rd parties, clearly identifying data used for profiling, and giving users choices in privacy settings

Published 2015-08-11

techscience.org

Care.data and access to UK health records: patient privacy and public trust

Lizzie Presser, Maia Hruskova, Helen Rowbottom, Jesse Kancir



UK Care.data Timeline

- In 2012, the UK centralized healthcare data at care.data
- Challenges included mismanagement, conflicts, miscommunication, and inadequate protections for patient anonymity
- Lessons show the need for easy-to-understand consent rules, and strong oversight over purchases of patient data

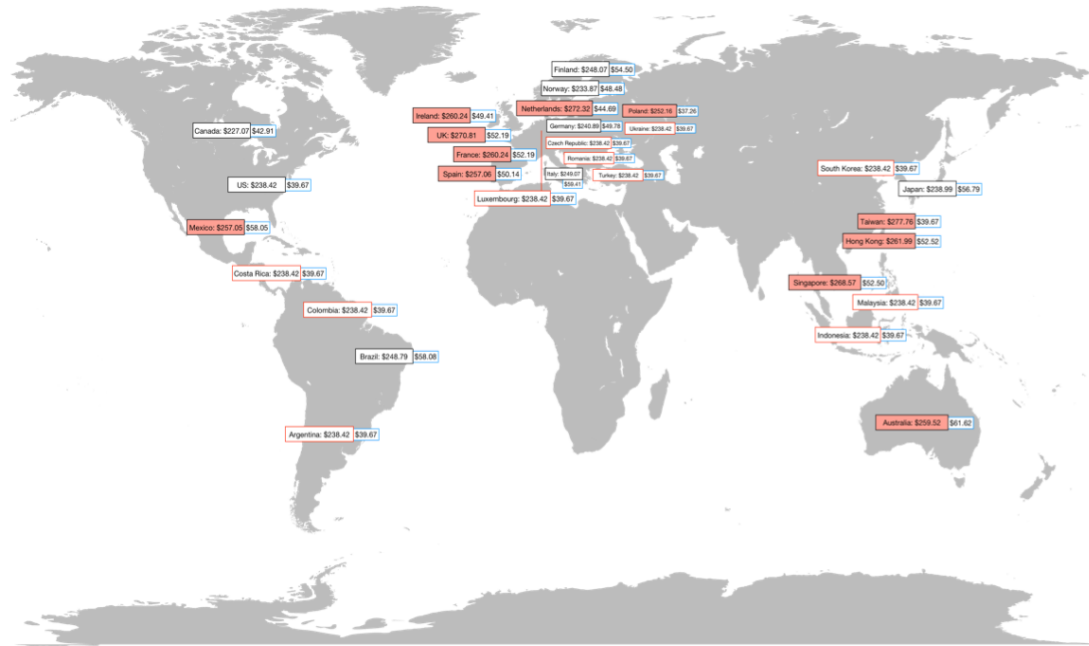
Published 2015-08-11

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Who's Paying More To Tour These United States?

International Travel & Price Discrimination

Michael Rose and Mohammed Rahman



Online US Hotel and Car Rental Rates by Country

- We tested whether customers from around the world see the same price online when searching for U.S. hotel rooms and rental cars.
- We simulated connecting online from 30 countries around the world to travel site Kayak.com.
- Simulated customers in five locations, e.g., Hong Kong and Australia, were quoted hotel prices significantly above the global average. Domestic prices were slightly below the average.

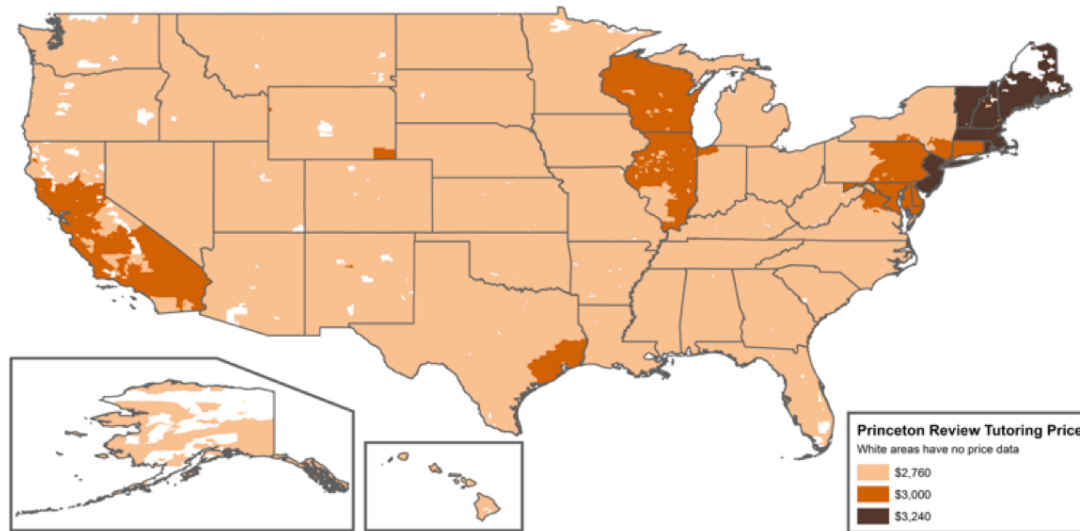
Published 2015-08-11

techscience.org

Rose M, Rahman M. Who's Paying More to Tour These United States? Price Differences in International Travel Bookings. Technology Science. 2015081105. August 11, 2015. <http://techscience.org/a/2015081105>

Price Discrimination in The Princeton Review's Online SAT Tutoring Service

Keyon Vafa, Christian Haigh, Alvin Leung, and Noah Yonack



The Princeton Review's SAT tutoring package price across the US.

- We tested whether customers are seeing the same price for SAT tutoring on The Princeton Review's website
- We searched the website from 33,000 ZIP codes across the US
- We found different 3 different prices depending on the ZIP code input seemingly on a regional basis

Published 2015-09-01

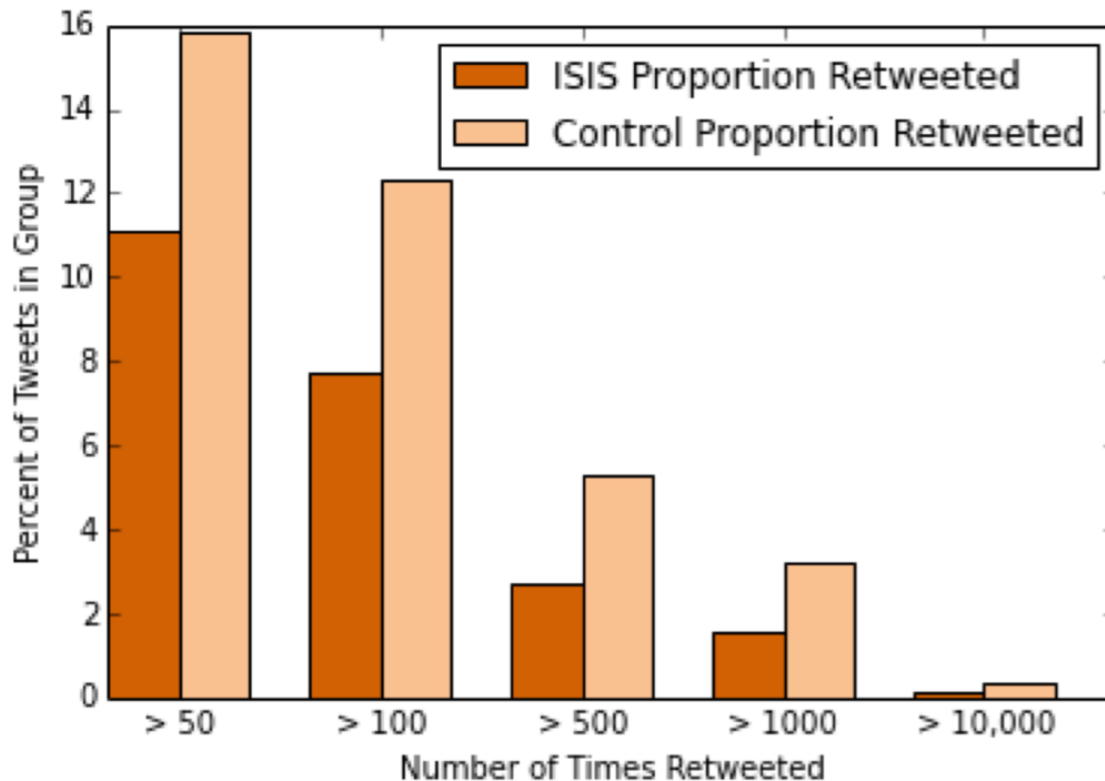
Asians are 1.8 times as likely to be quoted a higher price.

techscience.org

Vafa K, Haigh C, Leung A, Yonack N. Price Discrimination in The Princeton Review's Online SAT Tutoring Service. Technology Science. 2015090102. September 01, 2015. <http://techscience.org/a/2015090102>

Defeating ISIS on Twitter

Batsheva Moriarty



Proportion of retweet rates of suspected ISIS-supporters versus control group.

- I evaluated 1.5 million tweets from 1,500 ISIS-affiliated Twitter accounts to determine if they were humans or bots
- I compared ISIS tweets to a control group of 700,000 non-ISIS Arabic tweets
- ISIS tweets exhibited unique, un-unified tweet, retweet, and favoriting patterns suggesting that the accounts are controlled by humans

Published 2015-09-29

techscience.org

Moriarty B. Defeating ISIS on Twitter. Technology Science. 2015092904. September 29, 2015. <http://techscience.org/a/2015092904>

Finding Fraudulent Websites Using Twitter Streams

Daniel Rothchild

Count	URL
12095	http://womanshealthlifestyle.com/PureGarciniaCambogia/
10328	http://muscleandhealth.info/
3556	http://muscleformen.com/Metaboosts
2033	http://healthyreport.co/nfl-wants-to-ban-supplement/index.html
1953	http://womenshealthmag.com-article.link/
324	http://www.forcefactor.com/h/
193	http://www.uniquegarcinia.com/
181	http://tmzf.itness.co/index.html

Most frequently occurring tweets in 24 hours that contain the words muscle, weight, diet, acai, cambogia, lose fast, or miracle pill.

- I developed a monitoring program that searches Twitter in real time for tweets with potentially suspicious links
- The program found more than 70,000 suspicious tweets in 24 hours, with 56% of the tested links appearing fraudulent

Published 2015-09-29

techscience.org

Rothchild D. Finding Fraudulent Websites Using Twitter Streams. Technology Science. 2015092905. September 29, 2015. <http://techscience.org/a/2015092905>

De-anonymizing South Korean Resident Registration Numbers Shared in Prescription Data

처방전 데이터의 주민등록번호 익면성 해제 연구

Latanya Sweeney and Ji Su Yoo

Letter	Number
a	1
b	2
c	3
d	4
e	5
f	6
g	7
h	8
i	9
j	0

Odd-digit

Letter	Number
f	0
g	9
h	8
i	7
j	6
k	5
l	4
m	3
n	2
o	1

Even-digit

- South Korea's national identifier, the Resident Registration Number (RRN) includes encoded demographic information and a checksum with a publicly known pattern
- We conducted two de-anonymization experiments on 23,163 encrypted RRNs from prescription data of South Koreans
- We demonstrate the data's vulnerability to de-anonymization by revealing all 23,163 unencrypted RRNs in both experiments

Coding table that replaced digits of South Korean national identifiers with letters in shared prescription data.

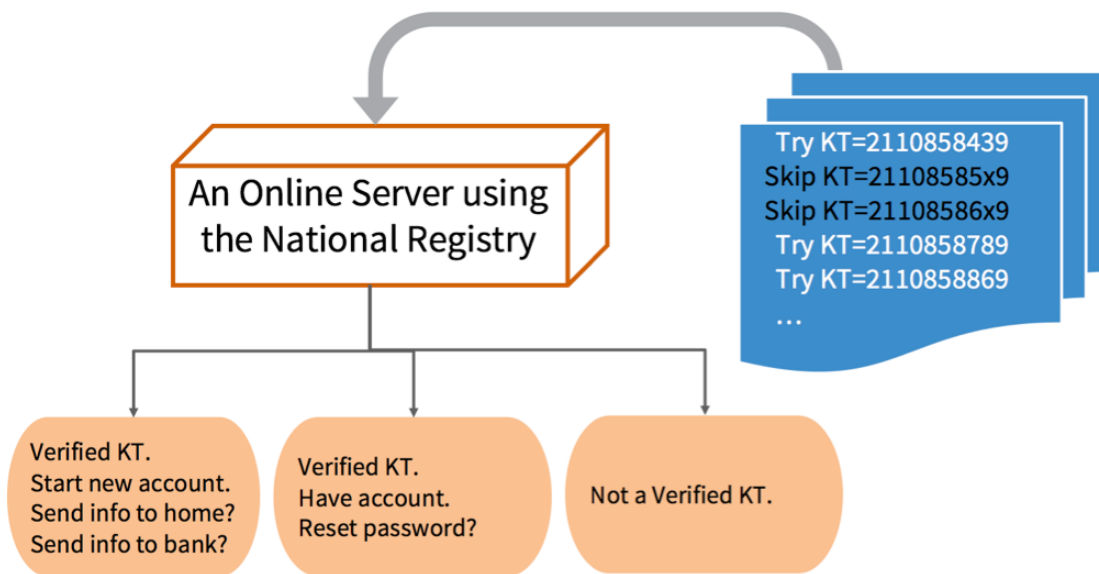
Published 2015-09-29

techscience.org

Sweeney L, Yoo J. De-anonymizing South Korean Resident Registration Numbers Shared in Prescription Data. Technology Science. 2015092901. September 29, 2015. <http://techscience.org/a/2015092901>

Identity as a Service: Iceland's Kennitala and the Convergence of Identifier and Authenticator in Online Third Party Applications

Gili Vidan



Using an online server to identify assigned national identifiers.

- Iceland's national identifier, the Kennitala (KT), is computed from one's date of birth and some random digits
- I found five Icelandic subjects online and was able to guess and verify their KT using a dating app
- This experiment suggests that KT registry may be reverse-engineered and expose personal data on services that rely on the KT for authentication to imposters

Published 2015-09-29

