LibPMC Workshop on Privacy and Data/Analytics in Libraries

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Workshop on Privacy and Data Analytics in Libraries

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National Web Privacy Forum

- IMLS funded National Forum for Web Analytics and Web Privacy
- Montana State University, Bozeman Montana
- September 12-14, 2018
- 40 librarians, technologists, and privacy researchers came together to address the need to enhance our understanding and practice of web analytics and privacy.

https://www.lib.montana.edu/privacy-forum/

Project Director: Scott W.H. Young, swyoung@montana.edu

Forum Focal Areas

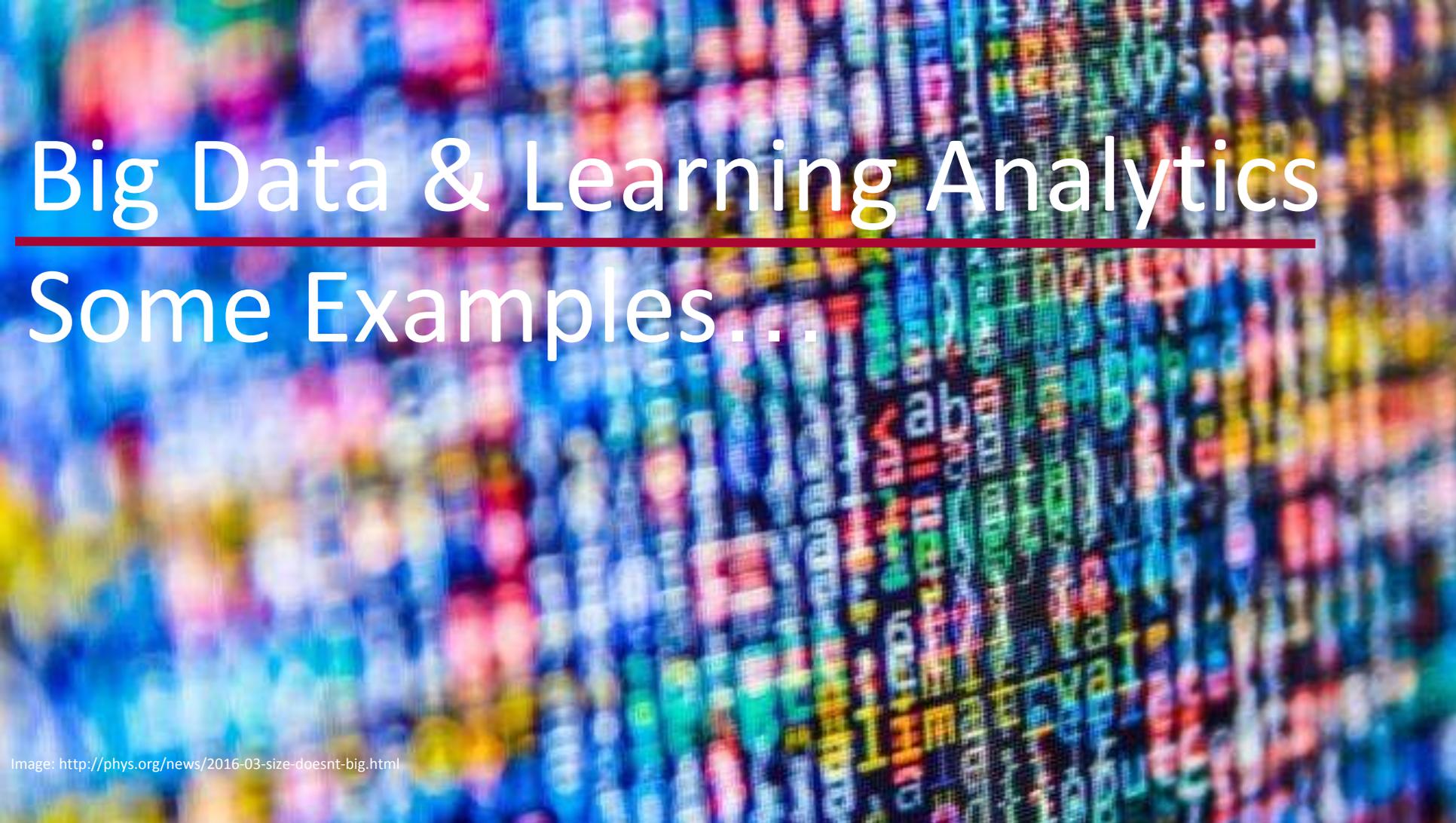| Ethics & Equity	Education & Engagement	Policy	Analytics Tools

Forum Outcomes

Action Handbook - provides background, resources, and good practices to guide libraries in ethically implementing web analytics with a view towards privacy.

White Paper - describes eight "pathways to action," strategies for improving the state of privacy in libraries

Big Data & Learning Analytics

Some Examples…

University of Melbourne defends wi-fi tracking of students as planning move amid privacy concerns

The World Today

Updated 11 Aug 2016, 11:52pm

The University of Melbourne has moved to allay privacy concerns amid revelations it is tracking students through their wi-fi usage.

The university said the practice, which looked at where people were moving around campus, helped institutions improve retention rates and the experience of students.

Privacy groups expressed concern about the

EdSurge

Wearable Tech Weaves Its Way Into Learning

By Marguerite McNeal   Nov 17, 2016

The Red & Black

UGA News | Athens News | Sports | Culture | Opinion | Multimedia | Magazine

UGA Dining Halls to introduce eye scanners

Harrison Young | Senior Staff Writer · Apr 22, 2017   💬 0

ORAL ROBERTS UNIVERSITY INTEGRATES WEARABLE TECHNOLOGY WITH PHYSICAL FITNESS CURRICULUM FOR INCOMING STUDENTS

Oral Roberts University (ORU) has maintained a fitness component as a part of their unique Whole Person Education since the University opened in 1965. In past years, students were required to manually log aerobics points in a fitness journal as a part of this fitness program. Through the innovations of Brightspace™ (D2L) and advancements in wearable technology, all incoming students will have the option of tracking aerobics points and fitness through Fitbit™ wearable watches.

"ORU offers one of the most unique educational approaches in the world by focusing on the Whole Person – spirit, mind and body," said ORU President William M. Wilson. "The marriage of new technology with our physical fitness requirements is something that sets ORU apart. In fact, when we began this innovative program in the fall of 2015, we were the first university in the world to offer this unique approach to a fitness program."

Those who choose to utilize Fitbits will reap the benefits of a more convenient fitness tracking system. The Fitbit trackers will feed into the D2L gradebook, automatically logging aerobics p
on campus bookstore has sold more than 550 of the wearable watches.

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NEWS > LOCAL NEWS   May 22, 2019

UCCS secretly photographed students to advance facial recognition technology

Your familiar face

By J. Adrian Stanley   🐦 @JAdrianStanley1

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NEWS

Photo by Jake Sheridan | The Chronicle

KNOWLEDGE IN THE SURVEILLANCE OF SOCIETY

Open Data Commons Attribution License. Background images from the DukeMTMC data set, courtesy of Megapixels. Source: Ergys Ristani, Francesco Solera, Roger Zou, Rita Cucchiara and Carlo Tomasi.

A Duke study recorded thousands of students' faces. Now they're being used all over the world

By Jake Satisky | 06/12/2019

THE CHRONICLE OF HIGHER EDU

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Education

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Universities to trawl through students' social media to look for suicide risk, under new project

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The scheme would be data protection compliant, and students would have to opt in.

RED: Dealing With Controversial Speakers   The Tren

The Ticker

Breaking news from all cor

TRENDING   For-Profit College

November 5, 2014 by Andy Thomason

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Harvard Took Secret Photos of 2,000 Students for Attendance Study

Photo by Jake Sheridan | The Chronicle

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https://www.dukechronicle.com/article/2019/06/duke-university-facial-recognition-data-set-study-surveillance-video-students-china-uyghur

University of Melbourne defends wi-fi tracking of students as planning move amid privacy concerns

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The University of Melbourne has moved to allay privacy concerns amid revelations it is tracking students through their wi-fi usage.

The university said the practice, which looked at where people were moving around campus, helped institutions improve retention rates and the experience of students.

Privacy groups expressed concern about the practice, which is also in place at some institutions around the country.

The head of services at the University of Melbourne Raul Duldig said there was no way of identifying

PHOTO: The university said it was only able to track student movements, not individuals. (ABC News)

MAP: Parkville 3052

Image: http://www.abc.net.au/news/2016-08-12/university-of-melbourne-tracking-students-through-wifi/7723468

The Red & Black

UGA Dining Halls to introduce eye scanners

Harrison Young | Senior Staff Writer   Apr 22, 2017   💬 0

Image: http://www.redandblack.com/uganews/uga-dining-halls-to-introduce-eye-scanners/article_0b1703e2-2562-11e7-9dac-f38fb6755209.html

THE CHRONICLE OF HIGHER EDUCATION

The Ticker

Breaking news from all corners of academe.

TRENDING For-Profit Colleges Students Legal Leadership The Profession

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Wearable Tech Weaves Its Way Into Learning

By **Marguerite McNeal**   Nov 17, 2016

Image: https://www.edsurge.com/news/2016-11-17-wearable-tech-weaves-its-way-into-learning

Education

🏠 › Education

Universities to trawl through students' social media to look for suicide risk, under new project

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The scheme would be data protection compliant, and students would have to opt in.

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NEWS » LOCAL NEWS   May 22, 2019

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FAST FORWARD ▸ Education

Sudha Ram, a professor of management information systems, directs the UA's INSITE, a center that focuses on harnessing the power of big data to help businesses and organizations make better-informed decisions. (Photo: Bob Demers/UANews)

Researcher Looks at 'Digital Traces' to Help Students

Sudha Ram's Smart Campus research tracks students' social interactions and daily routines via their CatCard usage — and leverages that information to make predictions about freshman retention.

Saint Louis University is placing 2,300 Echo Dots in student living spaces

By Dani Deahl | @danideahl | Aug 15, 2018, 2:02pm EDT

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Image: Saint Louis University
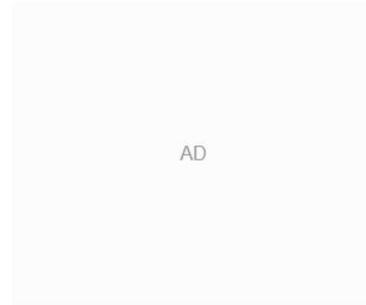
https://www.theverge.com/2018/8/15/17693174/saint-louis-university-echo-dots-amazon-student-living-s

EFF Releases Spying on Students Ed Tech Report

ANNOUNCEMENT BY **SOPHIA COPE** | APRIL 13, 2017

EFF Survey Reveals Gaps in Protecting the Privacy of K-12 Students Using School-Issued Devices and Cloud Apps

Data Barometer

Frameworks

ALA Code of Ethics

I.   "We provide the highest level of service to all library users through appropriate and usefully organized resources; equitable service policies; equitable access; and accurate, unbiased, and courteous responses to all requests."

III. "We protect each library user's right to privacy and confidentiality with respect to information sought or received and resources consulted, borrowed, acquired or transmitted."

IFLA Code of Ethics

3. Privacy, secrecy and transparency

- Librarians and other information workers respect personal privacy, and the protection of personal data, necessarily shared between individuals and institutions.

- The relationship between the library and the user is one of confidentiality and librarians and other information workers will take appropriate measures to ensure that user data is not shared beyond the original transaction.

Principles for Ethical Research

1. Respect for persons
   - Informed Consent

2. Beneficence
   - Risk Evaluation
   - Maximize benefit and minimize risk

3. Justice
   - Equitable selection of research subjects

Legal Research ≠ Ethical Research

Researchers are not absolved of ethical obligation to research subjects regardless of compliance requirements

Weighing Risk
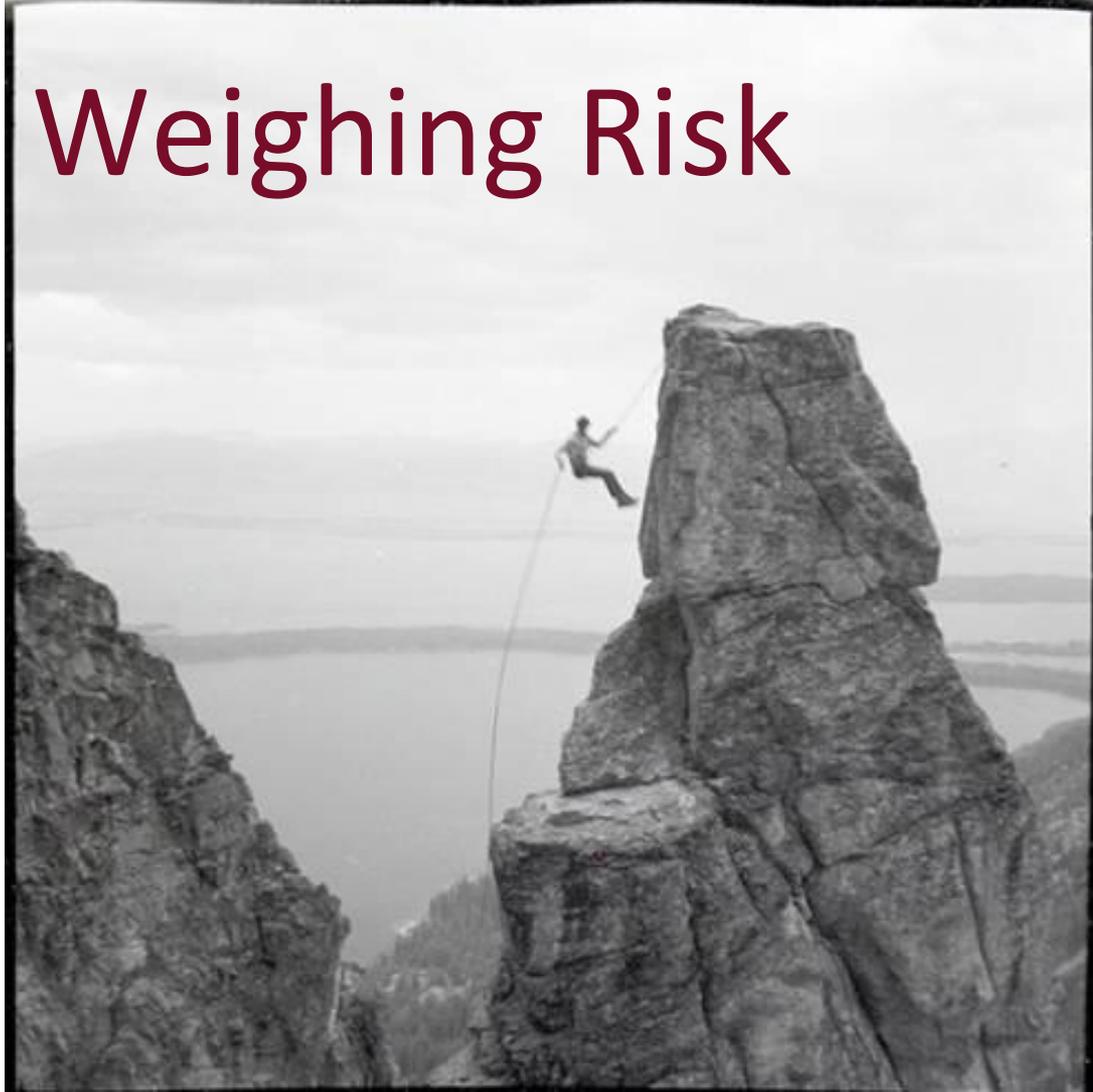
Who, in fact, benefits?

- Data more valuable to institutions & corporations than individuals

- Loss of autonomy

- Individuals in studies rarely accrue benefits

- Risks are almost always greater for groups that already experience higher levels of surveillance & discrimination

Threat Models

Surveillance in the Stacks

The FBI's Library Awareness Program

Herbert N. Foerstel
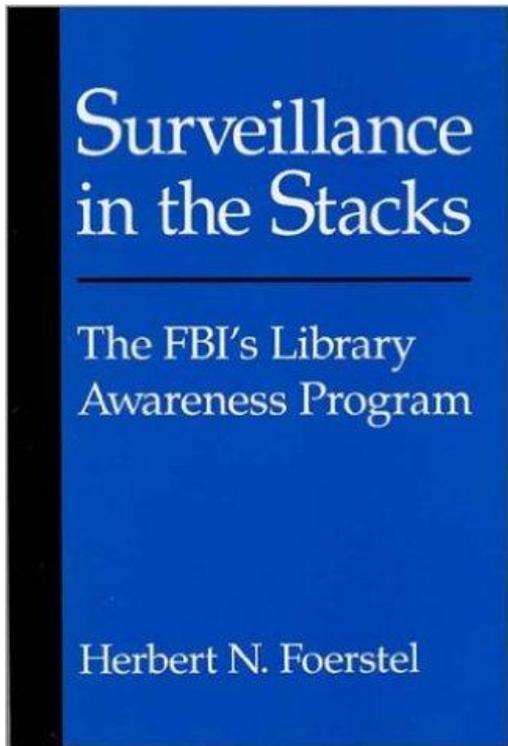
The Switch

Librarians won't stay quiet about government surveillance

theguardian

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Higher education

Student accused of being a terrorist for reading book on terrorism

Staffordshire University apologises after counter-terrorism student Mohammed Umar Farooq was questioned under Prevent anti-extremism initiative

Home > Volume 9, Number 12 - 6 December 2004 > Starr

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PEER-REVIEWED JOURNAL ON THE INTERNET

Libraries and National Security:
An Historical Review
by Joan Starr

Data Breaches
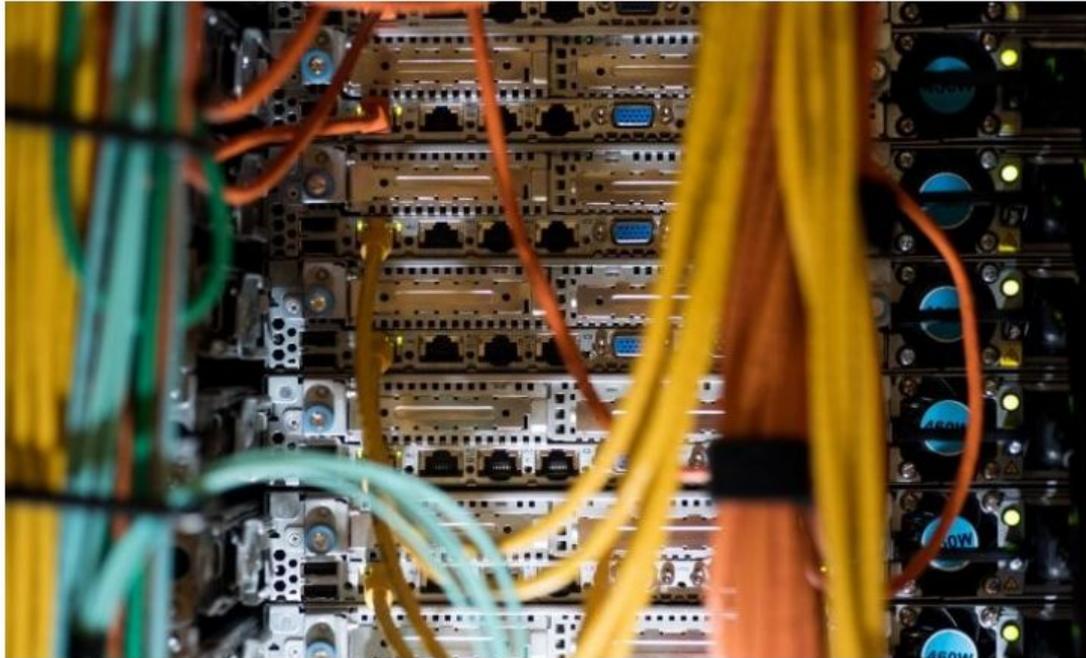
Unauthorized Access on Georgia Tech Network Exposes Information for 1.3 Million Individuals

🕐 APRIL 2, 2019 • ATLANTA, GA

Unforeseen Consequences

Bernstein and Woodward took a cab to the Library of Congress and found the office that handles White House requests for material in the library. Speaking to the reporters in a hallway, rather than his office, a librarian informed them politely that White House transactions were confidential. Eventually, the reporters found a more cooperative clerk and spent the afternoon in the reading room sorting through thousands of slips of paper—every request since July 1971, when Hunt was hired by the White House.
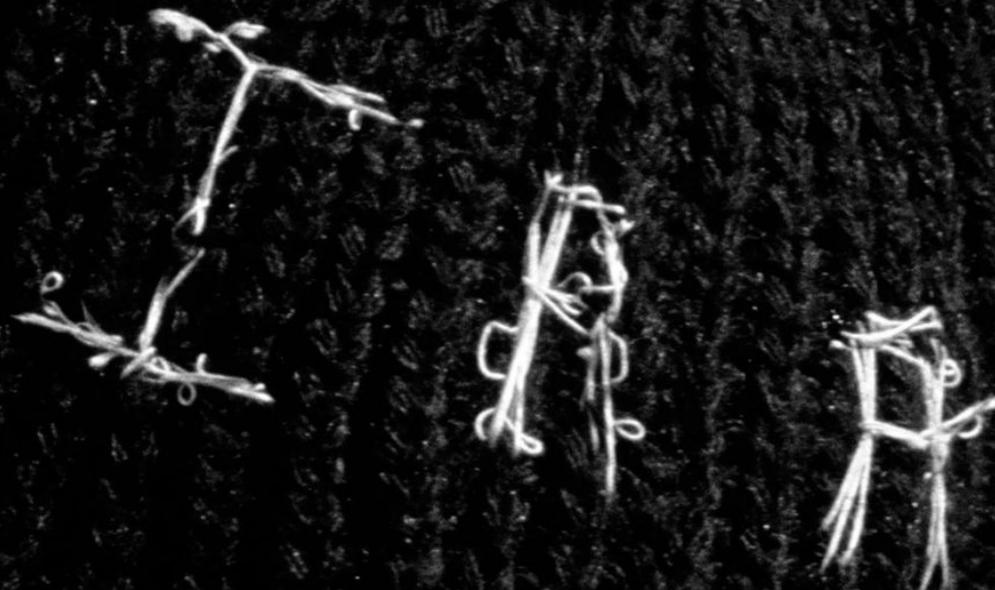
Carl Bernstein & Bob Woodward. 1974. *All the President's Men.* New York: Simon & Schuster. *P. 32*

Secrets From Belfast

How Boston College's oral history of the Troubles fell victim
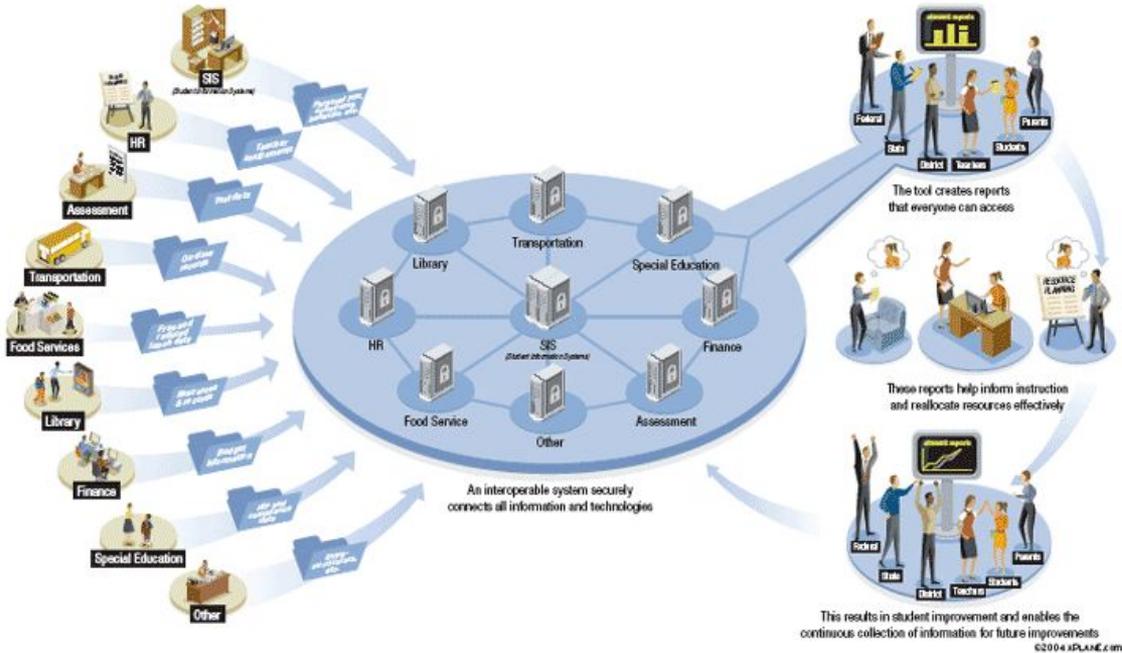to an international murder investigation

Story by Beth McMurtrie

January 26, 2014

Image:

Threat Modeling Exercise

Common Library Data Points

An interoperable system securely connects all information and technologies

The tool creates reports that everyone can access

These reports help inform instruction and reallocate resources effectively

This results in student improvement and enables the continuous collection of information for future improvements

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- Collection Use (Physical & Electronic)
- Card Swipe Data (Space Use)
- Instruction Participation
- Reference Participation
- Workstation Use
- WiFi/Network Use

Combined with:
- Student Performance Measures
- Student Demographic Data

Image: Public Domain, https://commons.wikimedia.org/wiki/File:Student_Data_Management.gif