

UCLA

Presentations

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Privacy, Policy, and Data Governance in the University

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Privacy, Policy, and Data Governance in the University

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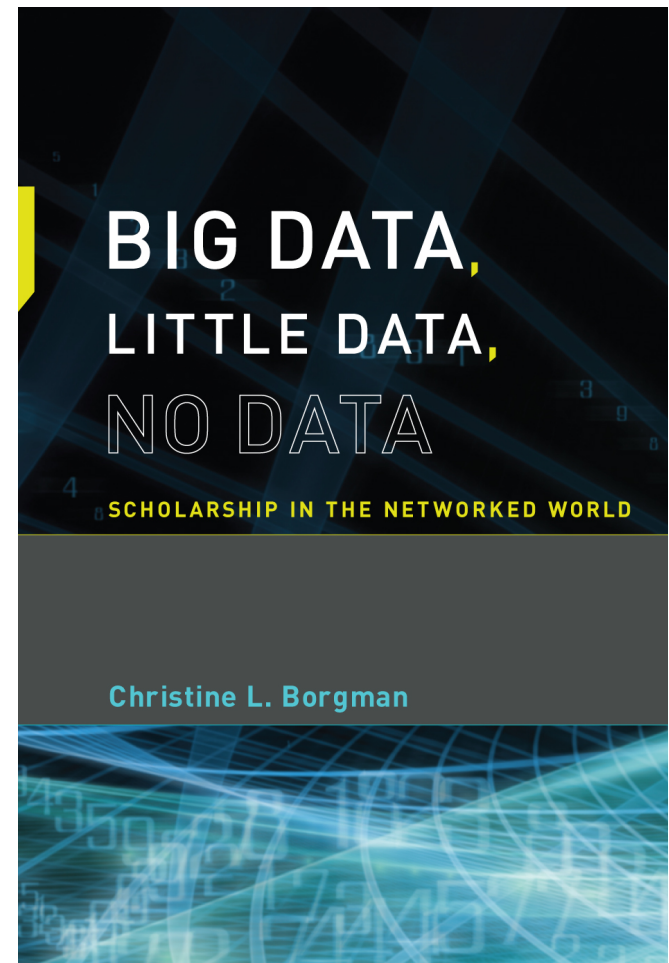
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Privacy Implications of Research Data

NISO – RDA Joint Interest Group

September 11, 2016





Open access policies

- Australian Research Council
 - Code for the Responsible Conduct of Research
 - Data management plans
- National Science Foundation
 - Data sharing requirements
 - Data management plans
- U.S. Federal policy
 - Open access to publications
 - Open access to data
- European Union
 - European Open Data Challenge
 - OpenAIRE
- Research Councils of the UK
 - Open access publishing
 - Provisions for access to data



Australian Government

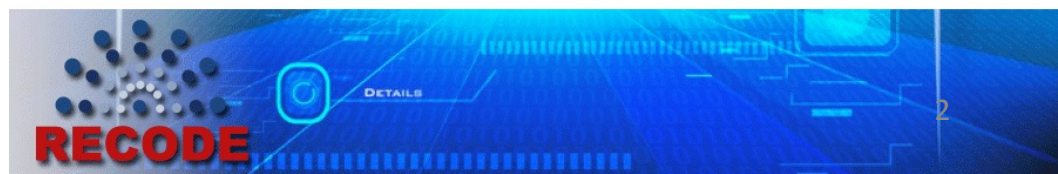
National Health and Medical Research Council

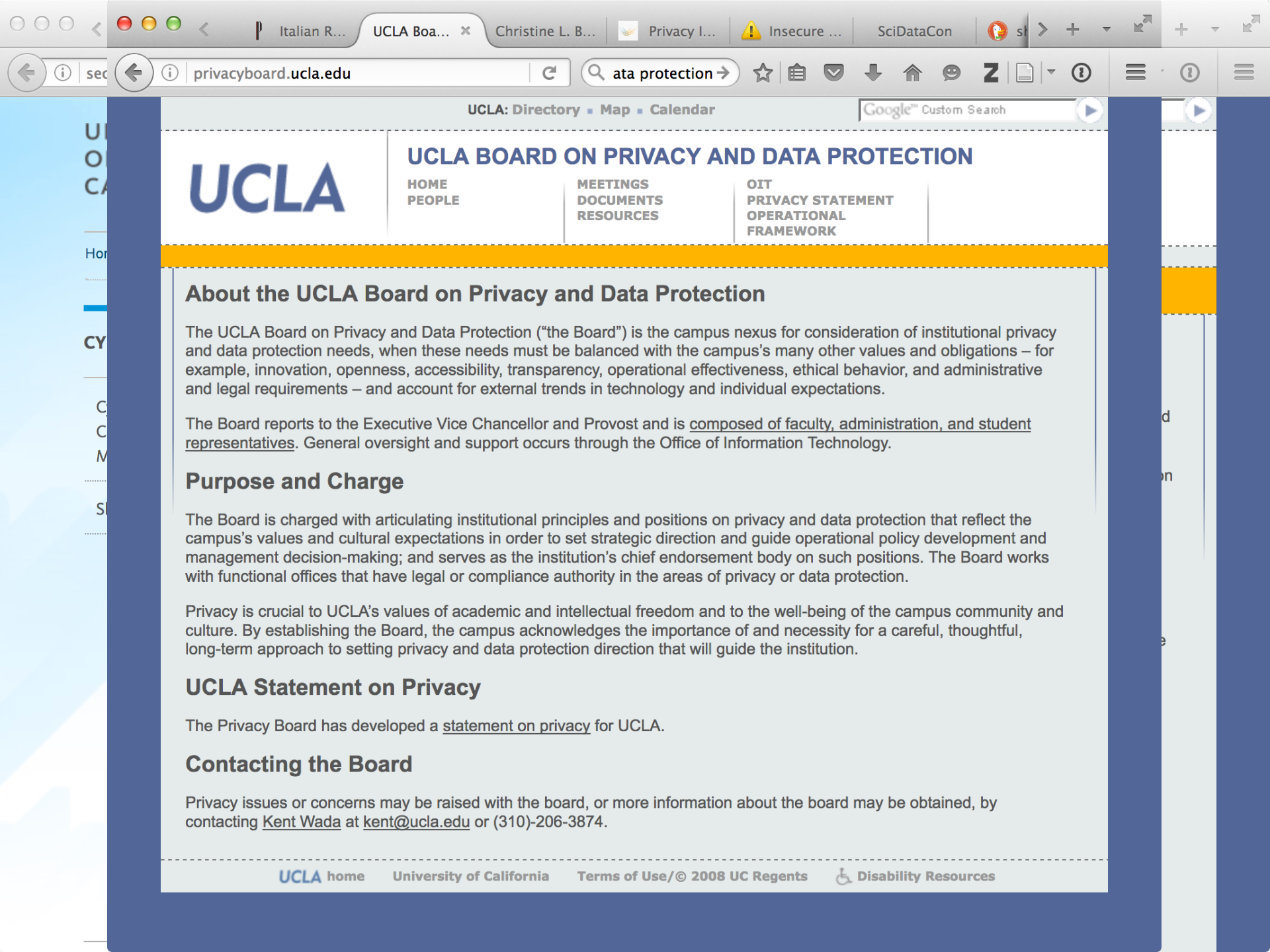


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Policy RECommendations for Open Access to Research Data in Europe





UCLA BOARD ON PRIVACY AND DATA PROTECTION

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PRIVACY STATEMENT
OPERATIONAL
FRAMEWORK

About the UCLA Board on Privacy and Data Protection

The UCLA Board on Privacy and Data Protection (“the Board”) is the campus nexus for consideration of institutional privacy and data protection needs, when these needs must be balanced with the campus’s many other values and obligations – for example, innovation, openness, accessibility, transparency, operational effectiveness, ethical behavior, and administrative and legal requirements – and account for external trends in technology and individual expectations.

The Board reports to the Executive Vice Chancellor and Provost and is composed of faculty, administration, and student representatives. General oversight and support occurs through the Office of Information Technology.

Purpose and Charge

The Board is charged with articulating institutional principles and positions on privacy and data protection that reflect the campus’s values and cultural expectations in order to set strategic direction and guide operational policy development and management decision-making; and serves as the institution’s chief endorsement body on such positions. The Board works with functional offices that have legal or compliance authority in the areas of privacy or data protection.

Privacy is crucial to UCLA’s values of academic and intellectual freedom and to the well-being of the campus community and culture. By establishing the Board, the campus acknowledges the importance of and necessity for a careful, thoughtful, long-term approach to setting privacy and data protection direction that will guide the institution.

UCLA Statement on Privacy

The Privacy Board has developed a statement on privacy for UCLA.

Contacting the Board

Privacy issues or concerns may be raised with the board, or more information about the board may be obtained, by contacting Kent Wada at kent@ucla.edu or (310)-206-3874.

Home / Featured / Kent Wada and Christine Borgman Lead Data Governance Task Force

KENT WADA AND CHRISTINE BORGMAN LEAD DATA GOVERNANCE TASK FORCE

February 10, 2015 by [Stefanie Pietkiewicz](#)



Kent Wada and Christine Borgman

Data Governance Task Force Site:
<https://ccle.ucla.edu/course/view/datagov>

- How should UCLA collect, organize, and use research analytics about our community?
- Who should have access to these data?
 - Within UCLA?
 - In partnership with public and private entities?
- What are the governance principles?
- What are the governance processes?

UCLA Data Governance Task Force*

Faculty	Staff
Christine Borgman, Co-Chair, Information Studies	Kent Wada, Co-Chair, Chief Privacy Officer
Christina Christie, Education, IRB	Amy Blum, Senior Campus Counsel
Vickie Mays, Psychology, Health	Meg Buzzi, Academic Personnel System
Neil Wenger, Medicine, Ethics	Mike Lee, Social Science Computing
	Kristen McKinney, Student Affairs Info System
<i>*Anna Joyce, Policy Analyst, Staff to the Task Force</i>	Kelly Wahl, Statistical Analysis, Academic Planning & Budget

Data collected *by* our community

- Data types
 - Research data
 - Analytics for teaching and learning
 - Evaluation of individuals, programs, services
- Policy and management responses
 - Mandates of funders and journals
 - Research data management services
 - Release and retention practices
 - Laws and policies
 - Human subjects regulations
 - Open records laws
 - HIPAA, FERPA, PII...



Data collected *about* our community

- Student records
 - Registrar
 - Course management systems
 - ID card based services: library, dorms, food, health...
 - Internet services: email, social media, music, ...
- Faculty records
 - Publications
 - Grants
 - Teaching evaluations
 - Service activities
 - Financial, medical
 - Internet services



Data governance scenarios

- Student records
- Faculty records



Student records

- What does the university collect?
- What can other entities collect?
- Who has access to these records?
- What uses might be made of these records?
- How should use be governed?



[Home](#) | [Press Release](#) | [Convention Document \(PDF\)](#) | [Press Release \(PDF\)](#) | [Rationale \(PDF\)](#) | [Attendee List \(PDF\)](#)

On 1-4 June, 2014, a [group of educators, scientists, and legal/ethical scholars](#) assembled at the Asilomar Conference Grounds in Pacific Grove, California. Their task was to [develop a framework to inform decisions about appropriate use of data and technology in learning research for higher education](#). A modified [Chatham House Rule](#) guided their deliberations, which produced the convention presented here.

This convention reflects general principles rather than the views of individual participants.

The Asilomar Convention for Learning Research in Higher Education

Individuals, nations, and international agencies of all kinds increasingly rely on the promise of education to improve the human condition. Contemporary technology has created unprecedented opportunities to create radical improvements in learning and educational achievement, but also conditions under which information about learners is collected continuously and often invisibly. For these reasons, collection and aggregation of evidence to pursue learning research must proceed in ways that respect the privacy, dignity, and discretion of learners.

Virtually all modern societies have strong traditions for protecting individuals in their interactions with large organizations, especially for purposes of scientific research, yet digital media present problems for the inheritors of those traditions. Norms of individual consent, privacy, and autonomy, for example, must be more vigilantly protected as the environments in which their holders reside are transformed by technology. Because the risks associated with data exposure are growing

Student Privacy Bill of Rights

News

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In a March 2014 Washington Post article, [EPIC unveiled the Student Privacy Bill of Rights](#), an enforceable student privacy and data security framework.

In line with the [President's Consumer Privacy Bill of Rights](#), which is based largely based on the [well-established Fair Information Practices \(FIPs\)](#), schools, districts, and EdTech and other cloud-based service providers should adhere to the following practices when collecting student data. These rights should transfer from parents or legal guardians to students once the student is eighteen or attending college.

1. Access and Amendment: Students have the right to access and amend their erroneous, misleading, or otherwise inappropriate records, regardless of who collects or maintains the information.
 - There are gaps in current laws and proposed frameworks concerning students' access and amendment to their data. Schools, companies, government agencies, and other entities that collect any student information should provide student access to this information. This includes access to any automated decision-making rule-based systems (i.e, personalized learning algorithms) and behavioral information.

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The EPIC Alert is a by-monthly newsletter highlighting emerging privacy issues.

#Privacy

Tweets



 **StealthCoin Fans**
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Faculty records

- What does the university collect?
- What can other entities collect?
- Who has access to these records?
- What uses might be made of these records?
- How should use be governed?



Bibliometrics, Scientometrics, Informetrics, Webometrics...

data—associating stored genes with nonidentifying numbers—to protect privacy.¹⁹ Other guidelines recommend anonymization in contexts such as electronic commerce,²⁰ internet service provision,²¹ data mining,²² and national security data sharing.²³ Academic researchers rely heavily on anonymization to protect human research subjects, and their research guidelines recommend anonymization generally,²⁴ and specifically in education,²⁵ computer network monitoring,²⁶ and health studies.²⁷ Professional statisticians are duty-bound to anonymize data as a matter of professional ethics.²⁸

Market pressures sometimes compel businesses to anonymize data. For example, companies like mint.com and wesabe.com provide web-based personal finance tracking and planning.²⁹ One way these companies add value is by aggregating and republishing data to help their customers compare their spending with that of similarly situated people.³⁰ To make customers comfortable with this type of data sharing, both mint.com and wesabe.com promise to anonymize data before sharing it.³¹

Architecture, defined in Lessig's sense as technological constraints,³² often forces anonymization, or at least makes anonymization the default choice. As one example, whenever you visit a website, the distant computer with which you communicate—also known as the web server—records some information

19. Roberto Andorno, *Population Genetic Databases: A New Challenge to Human Rights, in ETHICS AND LAW OF INTELLECTUAL PROPERTY 39* (Christian Lenk, Nils Hoppe & Roberto Andorno eds., 2007).

20. ALEX BERSON & LARRY DUBOV, MASTER DATA MANAGEMENT AND CUSTOMER DATA INTEGRATION FOR A GLOBAL ENTERPRISE 338–39 (2007).

21. See *infra* Part II.A.3.b.

22. G.K. GUPTA, INTRODUCTION TO DATA MINING WITH CASE STUDIES 432 (2006).

23. MARKLE FOUND. TASK FORCE, CREATING A TRUSTED NETWORK FOR HOMELAND SECURITY 144 (2003), available at http://www.markle.org/downloadable_assets/nstf_report2_full_report.pdf.

24. See THE SAGE ENCYCLOPEDIA OF QUALITATIVE RESEARCH METHODS 196 (Lisa M. Given ed., 2008) (entry for “Data Security”).

25. LOUIS COHEN ET AL., RESEARCH METHODS IN EDUCATION 189 (2003).

26. See Ruoming Pang et al., *The Devil and Packet Trace Anonymization*, 36 COMP. COMM. REV. 29 (2006).

27. INST. OF MED., PROTECTING DATA PRIVACY IN HEALTH SERVICES RESEARCH 178 (2000).

28. European Union Article 29 Data Protection Working Party, *Opinion 4/2007 on the Concept of Personal Data*, 01248/07/EN WP 136, at 21 (June 20, 2007) [hereinafter 2007 Working Party Opinion], available at https://ec.europa.eu/justice_home/fsj/privacy/docs/wpdocs/2007/wp136_en.pdf.

29. See Eric Benderoff, *Spend and Save the Social Way—Personal Technology*, SEATTLE TIMES, Nov. 8, 2008, at A9.

30. See Carolyn Y. Johnson, *Online Social Networking Meets Personal Finance*, N.Y. TIMES, Aug. 7, 2007, available at <http://www.nytimes.com/2007/08/07/technology/07iht-debt.1.7013213.html>.

31. See, e.g., Wesabe, *Security and Privacy*, <http://www.wesabe.com/page/security> (last visited June 12, 2010); Mint.com, *How Mint Personal Finance Management Protects Your Financial Safety*, <http://www.mint.com/privacy> (last visited June 12, 2010).

32. LESSIG, *supra* note 18, at 4.

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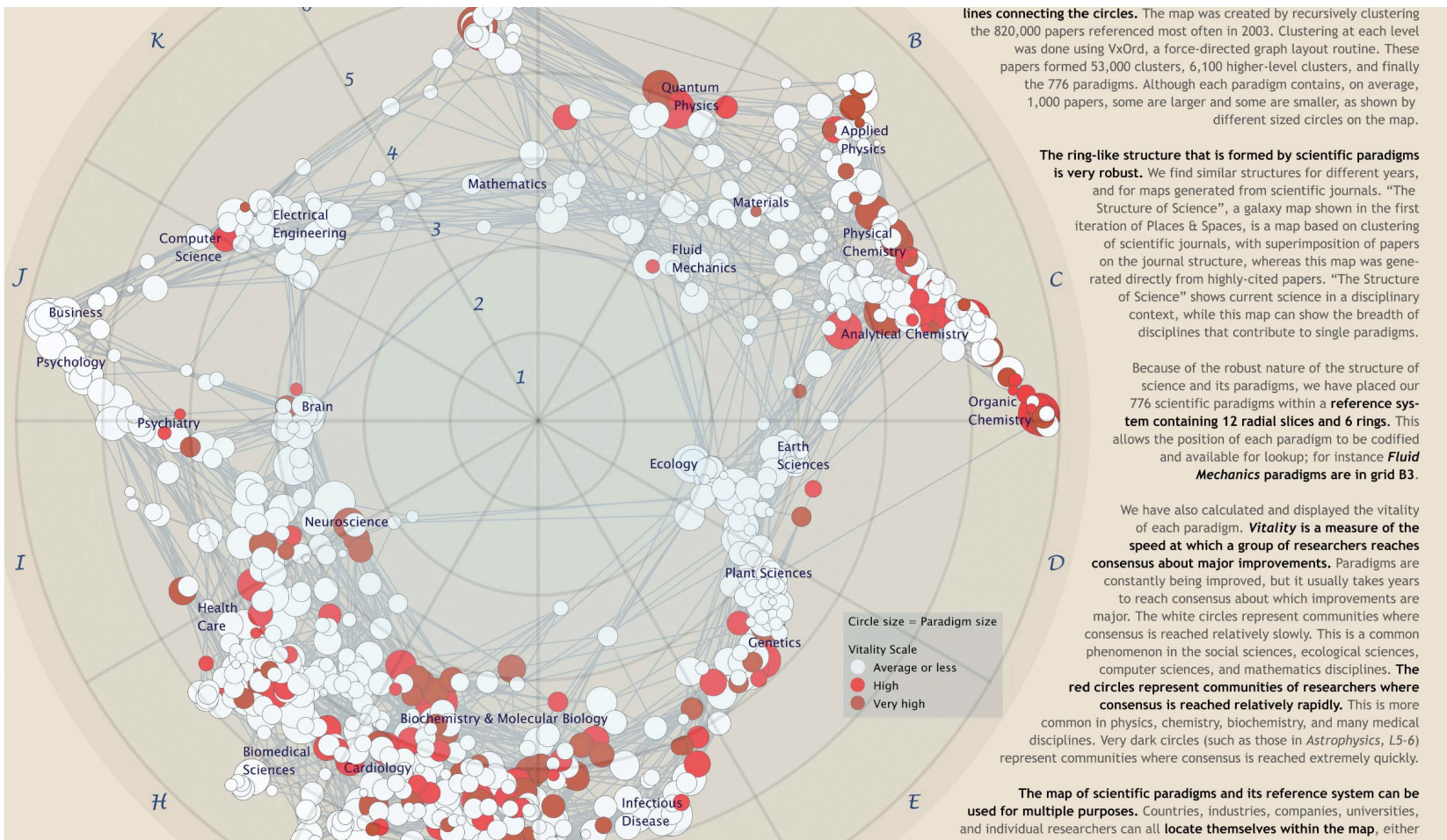
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Akyildiz, I. F., W. Su, Y. Sankarasubramaniam, and E. Cayirci. 2002. “Wireless Sensor Networks: A Survey.” *Computer Networks* 38 (4):393–422. doi:10.1016/S1389-1286(01)00302-4.

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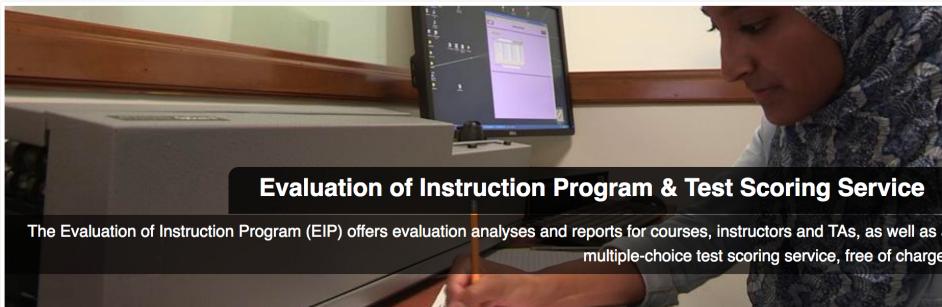
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Mapping Scholarship



UCLA Undergraduate Education

Office of Instructional Development

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COMMON COLLABORATION
& LEARNING ENVIRONMENT

Bibliometrics by Source

Searches for author: Christine Borgman, Christine L. Borgman, CL Borgman (excluding other C Borgman authors) on July 28, 2014 and February 25, 2016 for Google Scholar, Web of Science, Scopus
UCLA cancelled Scopus subscription by 2016

Source	Publications		Citations received		H-index	
	2014	2016	2014	2016	2014	2016
Google Scholar (Google)	380	443	7766	9701	39	43
Web of Science (Thomson-Reuters)	145	150	1629	1967	20	23
<i>Scopus – July 2014 (Elsevier)</i>	<i>77</i>		<i>1314</i>		<i>14 (after 1995)</i>	

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Recommendation 1: Scope

- The scope of data to be governed includes:
 - Data the campus *possesses* about any UCLA person; i.e., staff, faculty, students
 - Data that are *identifiable* by name or that can easily be linked to a person
 - Data that the campus *possesses on any person* that was generated during the scope of the person's business with the University, including data that were sent to someone at the University
- The scope of data to be governed excludes:
 - Research data under the purview of *IRB regulations*
 - Protected Health Information (PHI) governed by *HIPAA*, or individually identifiable health information in campus student healthcare facilities

Recommendation 2: Inventory

- Extend data management work already undertaken by campus to include data that are in the stated scope of data governance.

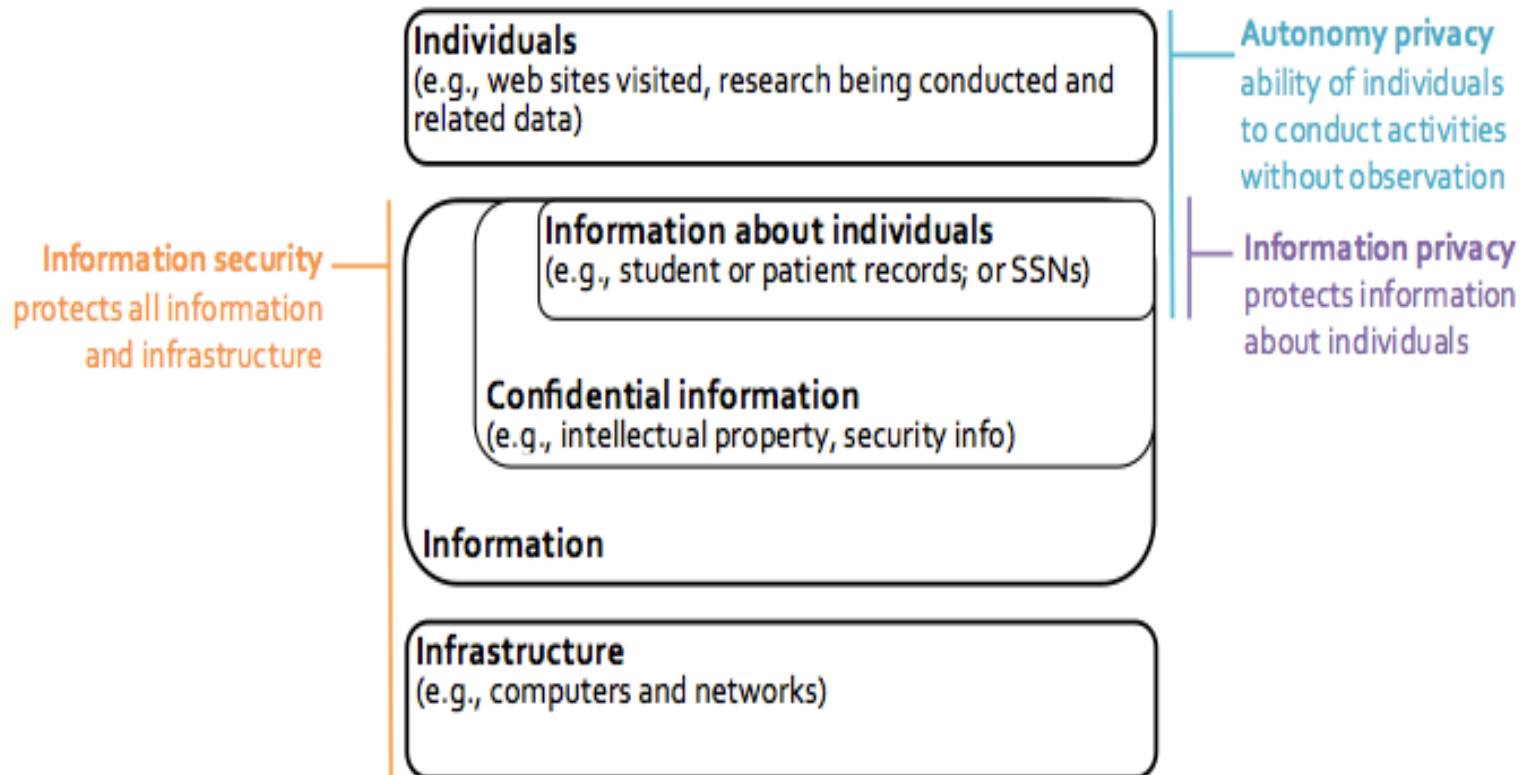


Recommendation 3: Best practices

- Build upon established fair information practices principles for privacy and extend these principles to account for appropriate uses of the data as technology, practice, and policy evolve.



Privacy and Information Security



Triggers for review

- When data are used to make decisions about people
- When data are collected about people without their knowledge or consent
- When data about people are used in unexpected ways without subjects' knowledge or consent
 - New applications of data or systems
 - Mining, analysis, and aggregation
- When data are shared with external entities
 - Private sector partners
 - Public sector partners
 - Other universitie



Recommendation 4: Existing structures

- Extend existing structures and practices for governing information technology at UCLA to the operational framework for data governance.



Executive Vice Chancellor
and Provost*

**Board on Privacy and
Data Protection**

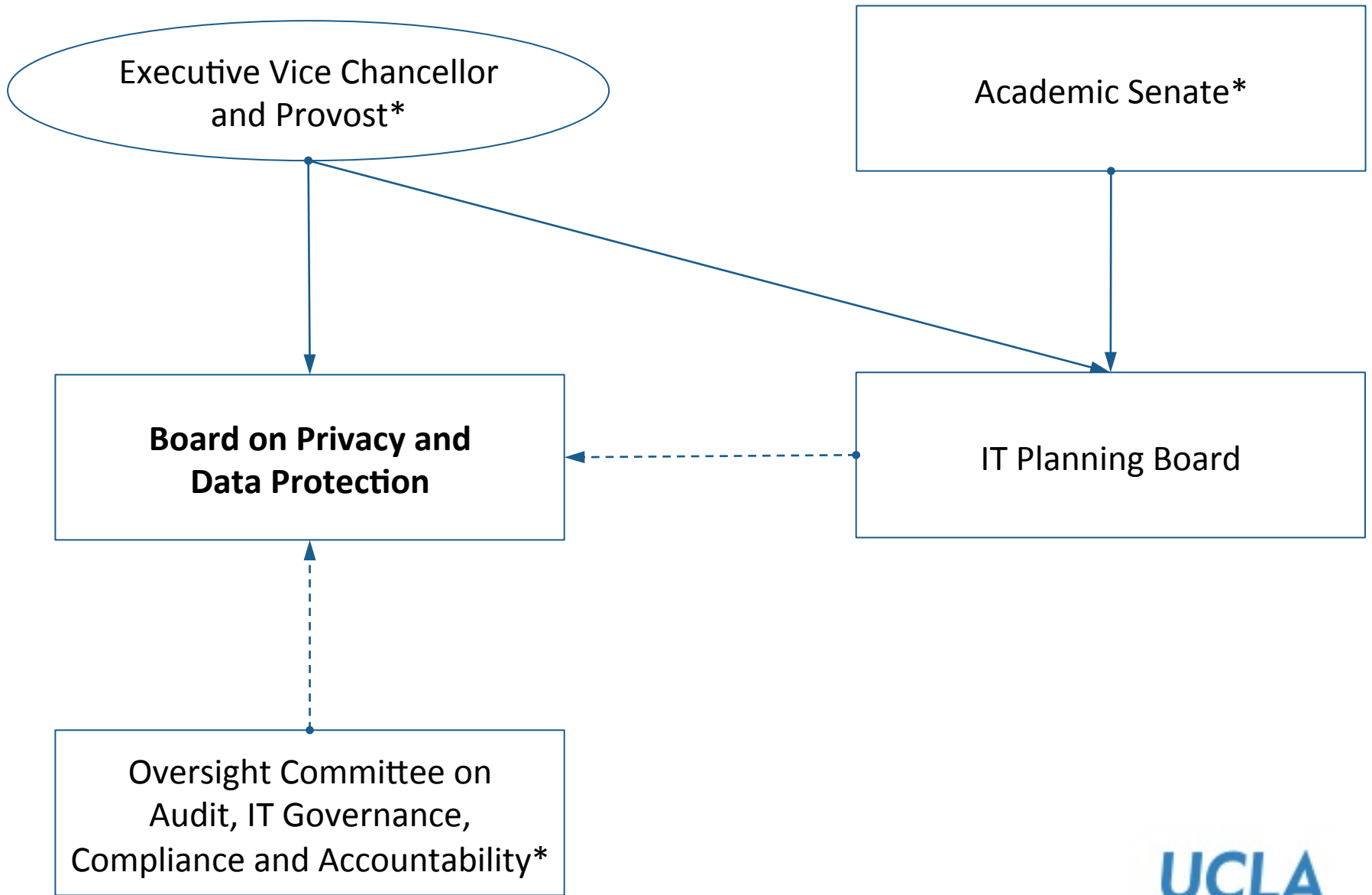
Voting members

- *Faculty Chair – Appointed by EVC + Senate*
- *Administrative Vice Chair – Vice Provost, IT*
- 6 faculty members
- 6 administrative members
- 1 undergraduate student representative
- 1 graduate student representative

Non-voting members

- *UCLA Chief Privacy Officer*
- Chief Information Security Officer
- Designee of the EVC and Provost
- Designee from Audit & Advisory Services

* decision-making authority



* decision-making authority

**Board on Privacy and
Data Protection**



UCLA Chief Privacy Officer

- Training and awareness
- Governance support
- Privacy breach analysis
- Policy development and interpretation
- Data use questions
- UC privacy and information security report recommendations implementation

The Office of the UCLA CPO becomes the triage point for incoming requests

Board on Privacy and Data Protection

UCLA Chief Privacy Officer

Institutional Review Board*



* decision-making authority

Recommendation 5: Activities

- Develop programmatic activities necessary to support effective data governance.



Discussion topics

- Problem: data or uses of data not covered by existing laws or policies (e.g., FERPA, HIPAA, PII)
- How to extend FIPS principles?
 - Notice
 - Consent
- How to scope the data governance problem?
 - By subjects of data collection?
 - By uses of data?
 - By parties collecting data? Using data?
- What are appropriate criteria, values, practices?
- What are workable governance processes?

Acknowledgements

- Kent Wada, UCLA Chief Privacy Officer and Chief Information Security Officer
- James F. Davis, UCLA Associate Vice Provost for Information Technology
- UCLA Privacy and Data Protection Board
- UC Initiative on Privacy and Information Security

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