Fair information practices and privacy principles

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Outline

• Quiz
• 9/11
• Homework discussion
• Using library resources
• Writing a literature review
• Course project
• Fair Information Principles
Homework
Citations: What type of source is it?

• Book

• Journal

• Web Site
Scholar.google.com gives you the citation.
HW1 Grades

• Average: 106/120

• Question 3 Rubric
  – Grammar: 15 points
  – Logic and Clarity of Argument: 30 points
  – Sources (used good primary sources to support the arguments): 15 points

• I underlined your main points. If I got it wrong, think about how to be more clear.
Using Library Resources
CMU Libraries

- [http://library.cmu.edu](http://library.cmu.edu)

- Engineering and Science (a.k.a. E&S)
  - Location: Wean Hall, 4th floor
  - Subjects: Computer Science, Engineering, Mathematics, Physics, Science, Technology

- Hunt (CMU’s main library)
  - Location: Its own building, between Tepper and Baker
  - Subjects: Arts, Business, Humanities, Social Sciences

- Lots of online resources
  - See off campus VPN instructions
If it’s not at CMU, but you need it today: Local Libraries

- Carnegie Library of Pittsburgh
  - Two closest locations
    - Oakland: Practically on campus (4400 Forbes Ave.)
    - Squirrel Hill: Forbes & Murray (5801 Forbes Ave.)

- University of Pittsburgh Libraries
  - 16 libraries! Information science, Engineering, Law, Business, etc.
  - Get a borrowing card by showing CMU ID at Hillman Library lending desk
  - [http://pittcat.pitt.edu/](http://pittcat.pitt.edu/)
If it’s not at CMU, and you can wait: ILLiad and E-ZBorrow

- ILLiad and E-ZBorrow are catalogs of resources available for Interlibrary Loan from other libraries nationwide (ILLiad) and in Pennsylvania (E-ZBorrow)
- Order items online (almost always free)
- Delivery usually in a few days to 2 weeks
- Find links to ILLiad and E-ZBorrow online catalogs by following Interlibrary Loan link at http://search.library.cmu.edu/
Other Useful Databases

- Links to many more databases, journal collections
- Lexis-Nexis
  - Massive catalog of legal sources – law journals, case law, news stories, etc.
- IEEE and ACM journal databases
  - ACM Digital Library http://dl.acm.org/
  - IEEE Xplore http://ieeexplore.ieee.org
- Google Scholar
  - http://scholar.google.com
- INSPEC database
  - Huge database of scientific and technical papers
- JSTOR
  - Arts & Sciences, Business, Mathematics, Statistics
And of course...

- Reference librarians are available at all CMU libraries, and love to help people find what they need – just ask!
Writing a Literature Review
Writing a literature review

• What is a literature review?
  - A critical summary of what has been published on a topic
    • What is already known about the topic
    • Strengths and weaknesses of previous studies
  - Often part of the introduction or a section of a research paper, proposal, or thesis

• A literature review should
  - be organized around and related directly to your research question
  - synthesize results into a summary of what is and is not known
  - identify areas of controversy in the literature
  - formulate questions that need further research

Dena Taylor and Margaret Procter. 2004. The literature review: A few tips on conducting it. 
http://www.writing.utoronto.ca/advice/specific-types-of-writing/literature-review
Literature review do’s + don’ts

• Don’t create a list of article summaries or quotes

• Do point out what is most relevant about each article to your paper

• Do compare and contrast the articles you review

• Do highlight controversies raised or questions left unanswered by the articles you review

• Do take a look at some examples of literature reviews or related work sections before you try to create one yourself
Course project
Project overview

• Group project – teams of 3 to 6 students
  – In 2 weeks we will survey you about your preference in project and anyone you want to work with and will assign teams

• Pick a project from the list of suggested projects or propose something new (please discuss with instructors)

• All projects have final paper and poster as deliverable

• Some projects may have other deliverables such as software, user interface designs, etc.

• [http://cups.cs.cmu.edu/courses/pplt-fa14/project.html](http://cups.cs.cmu.edu/courses/pplt-fa14/project.html)
Past projects

- Past course websites have information about past projects

- Several past projects have been turned into a thesis or published paper, some software projects have been released publicly or contributed to open source projects
  - And you are encouraged to think about that too
Fair Information Practices
Fair information practices

• What are FIPs?
• Why are they important?
Privacy terminology

- Data subject
- Data controller
- Secondary use of data
OECD fair information principles

- http://www.oecd.org/sti/ieconomy/privacy.htm
- Collection limitation
- Data quality
- Purpose specification
- Use limitation
- Security safeguards
- Openness
- Individual participation
- Accountability
US FTC simplified principles

- Notice and disclosure
- Choice and consent
- Data security
- Data quality and access
- Recourse and remedies

How do these differ from the OECD principles?

Other privacy principles

- APEC privacy framework (2005)
  http://www.apec.org/About-Us/About-APEC/Fact-Sheets/APEC-Privacy-Framework.aspx
  - Designed to achieve accountable cross-border flow of personal information with APEC region
  - Includes implementation guidance

- Generally Accepted Privacy Principles (2009)
  http://www.aicpa.org/InterestAreas/InformationTechnology/Resources/Privacy/GenerallyAcceptedPrivacyPrinciples/
  - Designed by and for CPAs
  - Includes detailed controls and procedures
The Prada NYC dressing room

- http://www.quantumglass.com/node/11/concept/3

- What aspects seem privacy invasive?

- How could the design be changed to reduce privacy concerns? (Think about the FIPs)
Applying the FIPs

- Google Street View
- Gmail advertising
- Publicly accessible web cams
- Amazon.com book recommendations
- Giant Eagle Advantage Card
- Transportation Security Administration watch lists