

PEERRS:

Program for Education and Evaluation in
Responsible Research & Scholarship

Kathe Frassrand

Trek Glowaki

Amy Grude

Tonya McCarley

Presentation Outline

- Introduction
- Methods
- Findings
- Recommendations

Priority	Module	Actions	Length (pages)	Certified Through
Required	Foundations of Good Research Practice	Start module Return to module Take test	29	-
Required	Research Administration	Start module Return to module Take test	28	-
Required	Conflict of Interest	Start module Return to module Take test	23	-
Recommended	Authorship, Publication and Peer Review	Start module Return to module Take test	19	03/21/2009
Optional	Human Subjects - Biomedical Sciences	Start module Return to module Take test	24	-
Optional	Human Subjects - Behavioral Science	Start module Return to module Take test	24	-
Optional	Human Subjects - Health Sciences	Start module Return to module Take test	25	-
Optional	Animal Subjects	Start module Return to module Take test	21	-

About PEERRS

- Modules related to research practice
- Required for all primary investigators
- Certification test at end of each module

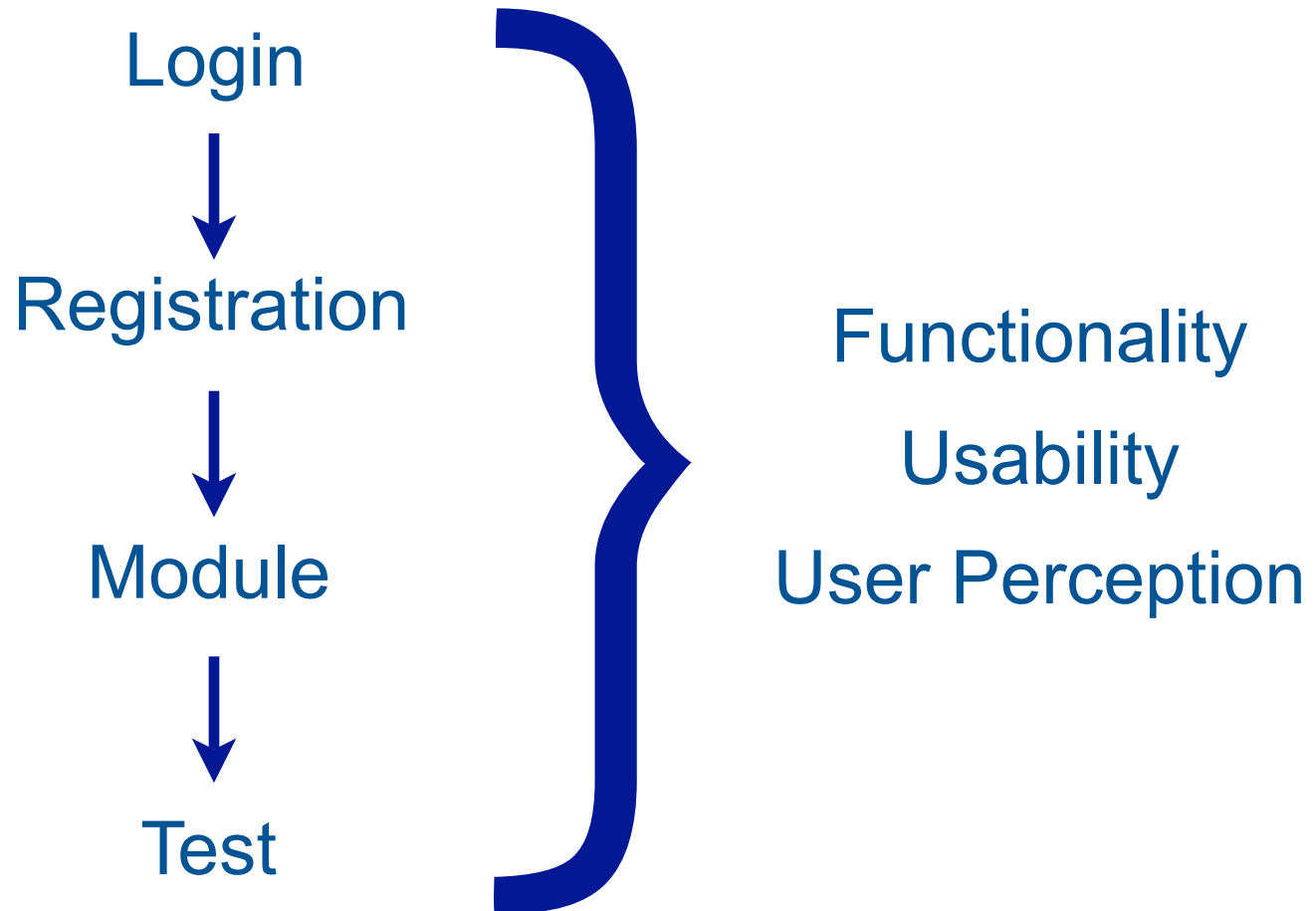
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PEERRS User Demographics



Methods Summary

GTN	
Personas & Scenarios	10 interviews, 12 personas
Comparative Analysis	3 college systems, 1 tutorial system
Survey	26 current PEERRS users
Heuristic Evaluation	10 Major Heuristic Categories
Usability Study	5 future PEERRS users
Vocabulary Analysis	3 Methods

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**AUTHENTICATION REQUIRED**

By using this service you agree to adhere to [UM computing policies and guidelines](#). Please type your login and password and click the "Login" button to continue.

login:**password:**[Login](#)

Please type your login and password and click the Login button to continue.

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Create Your Profile

Welcome Pietrek Glowacki. (If you are not Pietrek Glowacki, [log out](#) and sign in with your [username and password](#).)

Your response to the following three questions will be used to generate a tailored curriculum. **Please check those items that match your present research responsibilities.** You should update this form anytime your research role changes.

1. Select the School(s), College(s), or Unit(s) that best encompass your research involvement. CHOOSE ALL THAT APPLY.

☐ Architecture & Urban Planning ☐ Art & Design ☐ Business ☐ Dentistry ☐ Education ☐ Engineering ☐ Information, School of ☐ Institute for Social Research (ISR) ☐ Kinesiology ☐ Law	☐ Library ☐ Life Sciences Institute ☐ Literature, Science, and the Arts ☐ Medical School ☐ Music ☐ Natural Resources & Environment, School of ☐ Nursing School ☐ OVPR and its units ☐ Pharmacy ☐ Public Health	☐ Public Policy ☐ Rackham Graduate School (includes IHA and Children's Center) ☐ Social Work ☐ University Hospital, Health Centers, MCare ☐ University Housing ☐ UM-Dearborn ☐ UM-Flint ☐ I am not a University of Michigan student, staff or faculty member ☐ OTHER
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& Urban	☐ Library ☐ Life Sciences Institut ☒ Literature, Science, & ☐ Medical School ☐ Music ☐ Natural Resources & ☐ Environment, School of
School of Social	☐ Nursing School ☐ OVPR and its units ☐ Pharmacy ☐ Public Health

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User Identification Tool

https://my.research.umich.edu/peerrs/survey.php

Apple (35) Amazon eBay Yahoo! News (70)

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my page | glossary | faq | feedback | logout

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Create Your Profile

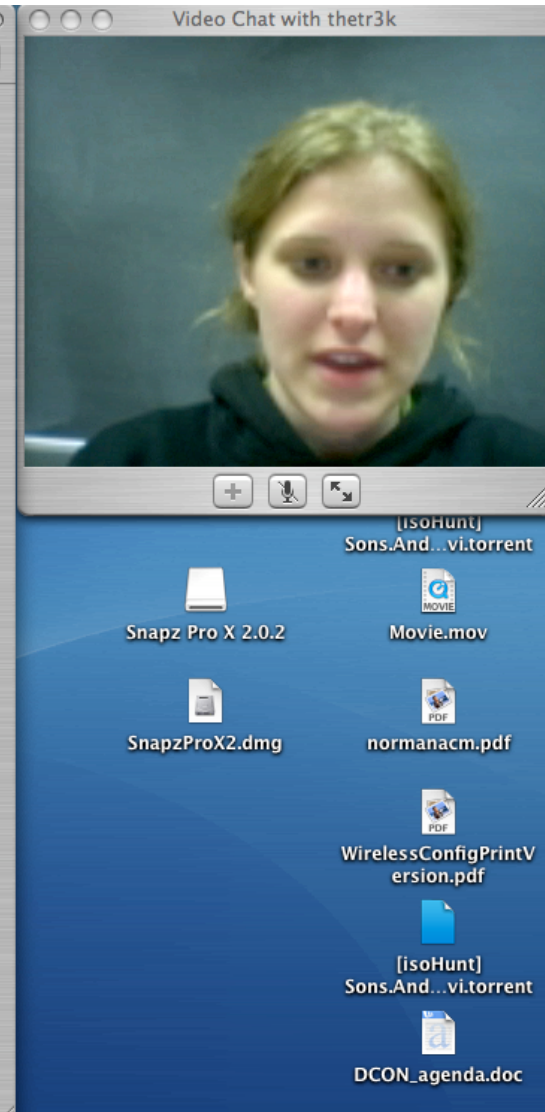
Welcome Lindsay Grude. (If you are not Lindsay Grude, [log out](#) and sign in with your [username and password](#).)

Your response to the following three questions will be used to generate a tailored curriculum. **Please check those items that match your present research responsibilities.** You should update this form anytime your research role changes.

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2. Select your role(s) in research? CHOOSE ALL THAT APPLY.

Faculty	Research Staff/Research Administrator	Student
☐ Faculty (tenured or tenure track) ☐ Faculty, Clinical ☐ Faculty, Adjunct ☐ Librarian ☐ Research Scientist Track ☐ Research Professor Track ☐ Visiting Scholar/Researcher ☐ Lecturer	☐ Research Administrator (work in an office setting, not a lab) ☐ Academic Administrator (general administrative duties, not specifically supporting research) ☐ Research Staff (provide technical and other support to research)	☐ Undergraduate student ☐ Student pursuing MD, JD, MBA, or other professional degree ☐ Graduate student ☐ Post Doctoral Fellow

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- ☐ Librarian
- ☐ Research Scientist Track
- ☐ Research Professor Track
- ☐ Visiting Scholar/Researcher
- ☒ Lecturer

I felt that the registration task was easy to accomplish:

4 of 5 : Agree or Strongly Agree

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Data Fabrication

Plagiarism

Fed./UM Policies

Reporting
Misconduct

Additional Areas

Conclusion

PRINT MODULE

EXIT MODULE

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Rights to Your Intellectual Works

In academia, intellectual products (IP) of research or scholarship can take many forms, including:

- Traditional books, journal articles, and other published works;
- Software and other digital products (including internet-based works); and
- Research discoveries and inventions.

There are two relevant UM policies that primarily govern the use and ownership of these products – the UM Copyright Policy and the UM Intellectual Property Policy.

In essence, the UM Copyright Policy says that the University owns copyrightable works that are specifically commissioned, created in administrative roles, the product of sponsored research, or that involved unusual investment of resources. The policy says that the faculty own copyrightable works that are created at their own initiative with no unusual University resources.

The UM Intellectual Property (IP) Policy says that the University owns IP created by faculty and staff and provides avenues for the inventors to participate in and benefit from the commercialization of their discoveries and inventions.

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Learn more...

[UM Copyright Policy](#)[UM Intellectual Property Policy](#)

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[Learn more...](#)

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Introduction | Methods | Findings | Summary**The Phantom Methods Reference (continued)****Scenario 2:**

Prof. Swanson uses the background material from the paper she found, including all 36 references, and includes the following statement:

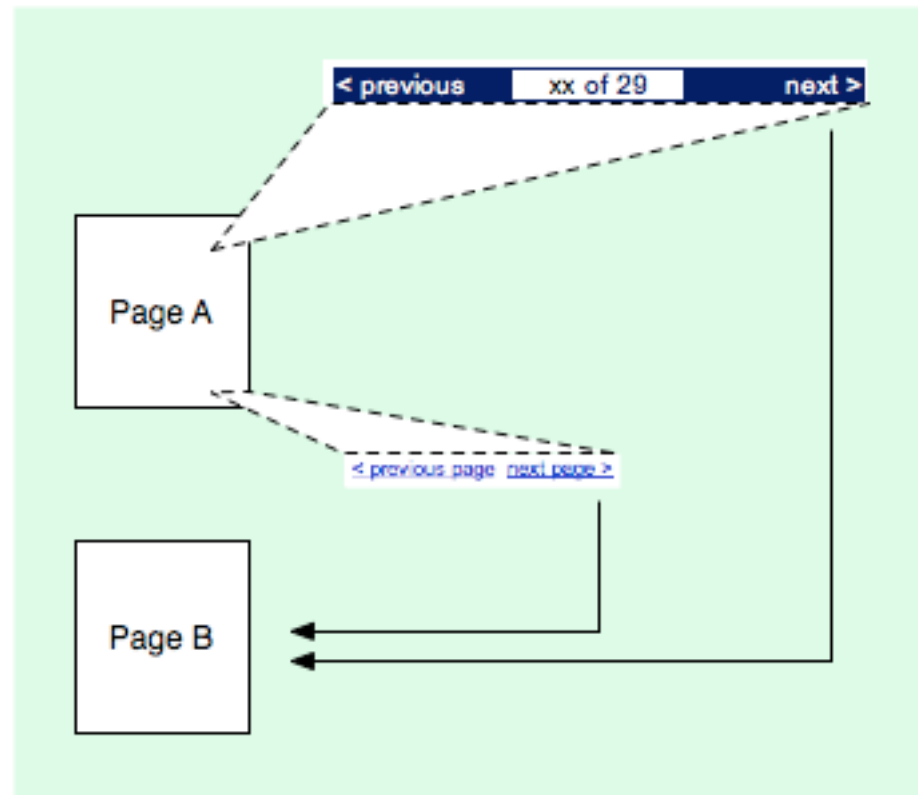
The subject matter of the tradeoffs between techniques used to measure the ozone distribution in the oceans was recently reviewed in a comprehensive paper by Twersky [reference]. The review included both in-situ as well as remote sensing observational methods, and among the latter, it addressed the advantages and limitations of optical imagery, laser scattering and infrared sensors.

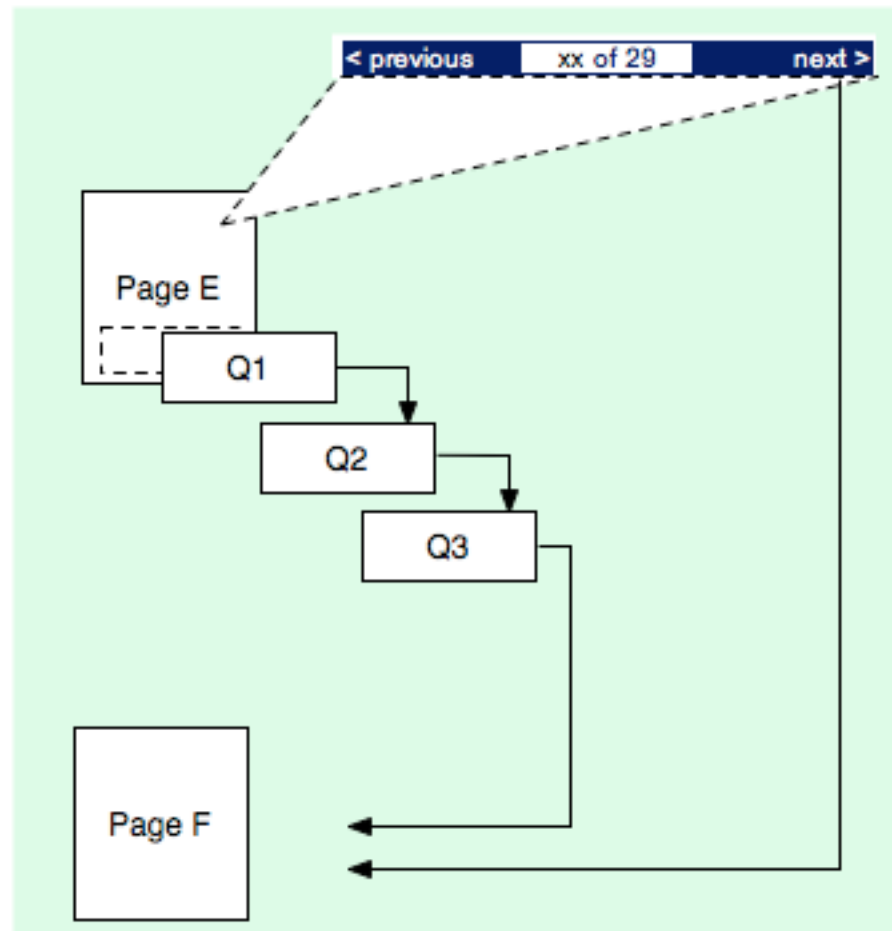
[The above is then followed by Twersky's 2-page background review, with no quotes and no specific reference to Twersky.]

Question 2 (of 4): Did Professor Swanson commit an act of plagiarism in Scenario 2? [\(view answer\)](#)

Strictly speaking, yes she did. By not placing Twersky's 2-page background statement in quotes and by distancing it from when she first mentioned Twersky in the preceding paragraph, she gives the reader the impression that perhaps Twersky's statement is Swanson's instead. She needed to make the connection totally clear.

[< previous question](#)[next question >](#)

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4 of 5 Usability Study participants found the navigation in the case study difficult and/or confusing

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RESEARCH & PRACTICE
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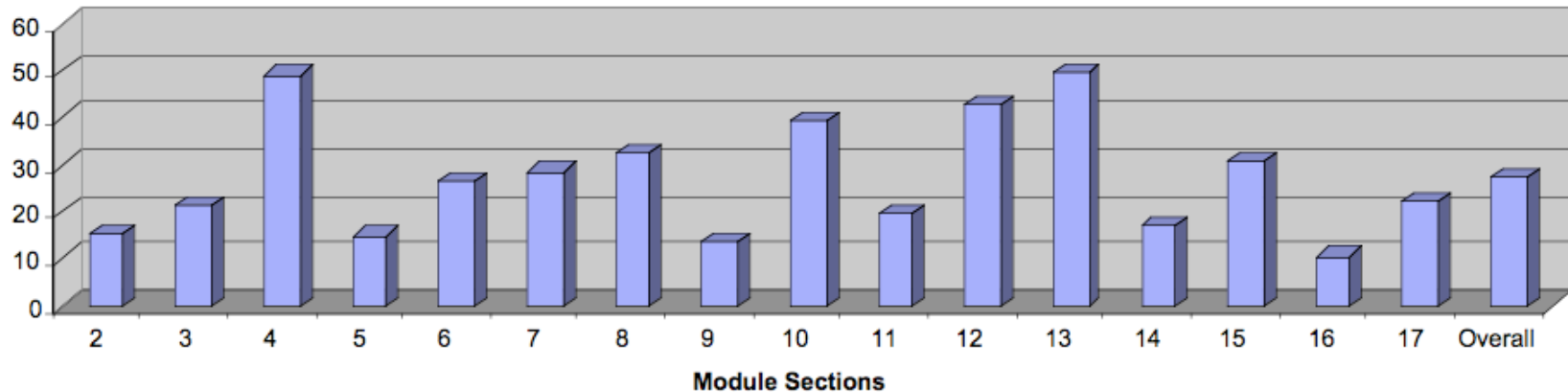
Modules Menu

- Education Modules Overview
- Module 1, Research Integrity**
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 - Introduction
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 - Ch. 2 Data
 - Ch. 3 Mentoring
 - Ch. 4 Conflict of Interest
 - Ch. 5 Other Investigator Responsibilities
 - Ch. 6 Research Misconduct
 - Module Test Link
 - CME Survey
 - Module 1 Survey
- Module 2A, Human Subjects Research in Biomedical Sciences
- Module 2B, Human Subjects Research in Social and Behavioral Sciences
- Module 3, Use of Laboratory Animals in Research & Education
- Module 4, Conflict of Interest
- Module 5, Human Embryonic & Fetal Stem Cell Research
- Module 6, HIPAA Researchers Privacy Requirements
- Module 7, HIPAA Staff Privacy Awareness Training

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Vocabulary Analysis

Human Subjects: Behavioral Science



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Case Study



The Phantom Methods Reference (continued)

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Foundations

Welcome, Pietrek Glowacki.

As part of her UM research, Assistant Professor Hua Im developed a computer code for displaying the three-dimensional structure of the electromagnetic fields inside resonant cavities. Who owns the Intellectual Property (IP) of the computer code? (Choose one answer).

- A** ☐ Ownership depends on whether the code is used for teaching or research.
- B** ☐ Hua Im only.
- C** ☐ The University only.
- D** ☐ Shared by both Hua Im and the University.

 - [Index](#) [2 / 5] - 
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[[Help](#) | [Turn in quiz](#) | [Start over](#) | [Exit test](#)]

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secretes

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peerrs testing

Foundations

Welcome, Pietrek Glowacki.

Pietrek Glowacki (pietrek@umich.edu):

April 14, 2006 - 09:24PM

You got **1.00** of **5** points, for a score of **20%**. (You need to get 80% to pass.)

Passing scores will be automatically recorded in PEERS and available from your "My Page". (You may need to reload/refresh My Page to see updated certification information.)

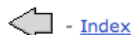
OPTIONS:

Use the links below to:

- Review question answers and feedback by selecting a question title
- Retake the test, if you scored less than 80%, by selecting "Start over"
- Return to My Page by selecting "Exit test" to continue with another module or logout of PEERS

Use the following list to review your answers:

Question	Points
✗ Page 1 - Meaning of a signature	0.00 / 1
✓ Page 2 - Intellectual Property Ownership	1.00 / 1
✗ Page 3 - Recently published papers	0.00 / 1
✗ Page 4 - Conflict of interest	0.00 / 1
✗ Page 5 - Investigating misconduct	0.00 / 1



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Help

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“Assume you want to leave the module and are unsure if you can return to complete it at a later time. Where on this website would you find this information?”

- 3/5 users did not recognize “faq” as a place to seek help
- 5/5 users did not expect the “faq” section to open in a new window

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Boswell

Safari File Edit View History Bookmarks Window Help

HEALTH SCIENCES Human Subjects Basic - Guiding Principles: What is Human Subjects Research?

https://my.research.umich.edu/peerrs/modules/humans_healthsci/basic/healthsci_gp_definition.php

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my page | glossary | faq | feedback | logout

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peerrs

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Guiding Principles: What is Human Subjects Research?

- Human interactions are generally classed as research if they a) include some type of systematic investigation and b) are designed to develop or contribute to generalizable knowledge.
 - "Systematic investigations" are investigations that a deliberate or planned method, such as clinical trials, laboratory experiments, focus groups, surveys, review and analysis of existing information in medical records, or ethnography.
 - "Generalizable knowledge" is knowledge that is relevant to more than the particular circumstance that produced the knowledge. Knowing that someone in Kalamazoo started a new job last month is not generalizable knowledge since it applies only to that person. Knowing, based on a systematic study of many people in Kalamazoo over a long period of time, that 5% of those of aged 25-55 start a new job every month is generalizable knowledge because it can be applied to a known segment of the population and used to predict behavior in future months.
- When researchers undertake a systematic investigation that involves living humans for the purpose of producing generalizable knowledge, their research is human subjects research. Regulations apply to human subjects research, and the research must be reviewed and approved by the applicable IRB before any work is undertaken.
- Some research with patient data may not constitute human subjects research as regulated under the Common Rule, but might still be regulated under other laws and regulations, such as HIPAA.

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Video Chat with thetr3k



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Movie.mov

Snapz Pro X 2.0.2

SnapzProX2.dmg

normanacm.pdf

WirelessConfigPrintV
ersion.pdf

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DCON_agenda.doc

Summary

- PEERRS is a good system
 - Visually appealing
 - Users report it easy to use
 - Navigation is consistent with exception of Case Studies
-
- Navigation is misleading because of Case Studies & Quizzes
 - Little user feedback during registration process
 - Inconsistent reading level
 - Limited help resources

Recommendations

- Make Navigation more consistent
- Cognitive readability evaluation
- Provide feedback during registration
- Reorganize registration
- Provide more extensive help system

Questions?