

Introduction to a literature review.

January 27, 2009

Quiz 1

- Take out a piece of paper.
- Write your name on it.
- Turn it in.

Why Methods

- The purpose of this class is to teach you methods.
- Instead of going over methods first we are going to start with the ultimate product of the methods, the research paper.
- Ultimately the purpose of doing a study is to not only find an answer, but to communicate that answer to other interested people.

A Research Paper

- A research paper generally has five major sections.
 - Introduction
 - Methods
 - Results
 - Discussion
- This format is used to make a scientific argument
- Each of these sections are a necessary to build that argument

A Scientific Paper as a Syllogism

- At its core a scientific paper is a special type of syllogism.
 - e.g. *All men are mortal, Socrates is a man, Socrates is mortal*
- A scientific paper is an argument that systematically compares Analytical, Empirical, and Phenomenological levels of analysis
 - Has Jake gone over his diagram?

Introduction

- Introduction
 - Sets up the argument
 - Most introductions begin with something that informs the reader about why the rest of the paper is important.
 - e.g. AIDS kills X number of people per second.
 - The incidence of Attention Deficit Disorder has increased dramatically in the last decade.
 - It informs the reader of the hypothesis being tested.
 - Goes over what is already known in the scientific community on the topic.
 - The Literature Review.

Methods, Results, and Discussion

- **Methods**
 - goes over what you did to empirically test the hypothesis.
- **Results**
 - Reports the results of the Methods section
- **Discussion**
 - Makes a conclusion over what the Results mean in light of what was laid out in the Introduction, Methods, and Results sections.
 - We will go more in depth into these sections later.

Today the Literature Review.

- This part of the introduction is where you go over the ***RELEVANT*** information which is in the scientific community.
- Search Engines
 - Google
 - Lots of hits, many times bogus ones.
 - Wikipedia
 - Lots of information, some good, some bad.
 - Google Scholar
 - Very good search engine for finding relevant papers
 - On campus it provides links to papers held electronically by the library.
- Library Resources

How to use them.

- Google-
 - Go to www.google.com
 - Enter words relevant to what you are studying.
 - Click google search.
- I am interested in Evolutionary Psychology and Psychopathy

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work on **psychopathy** and gender differences, she addresses the complex problem of rape and its prevention from the viewpoint of **evolutionary psychology**, but ...
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- Lots of information is available


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The number of results

- Things to pay attention to.
 - If this number is large (e.g. 2 billion entries) this could mean one of two things.
 - 1. The topic you are researching is very popular
 - 2. Your search term may be too broad.

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My Search Term is Too Broad

- If your search term is too broad you can.
 - Add more words
 - Psychopathology Evolutionary Psychology Courts
 - Use quotation marks (""")
 - What this does is look for what is in the quotation marks.

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 - 169,000 hits down to 16,800

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[The Abduction of Disorder in Psychiatry - Cogprints](#)
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Number of hits

Wikipedia, Google Scholar, Bing

- All similar to Google.
 - Wikipedia returns a webpage on the topic.
 - This webpage is created and updated by the users
 - Can't be trusted but it is a good start.
 - I usually look up the references.
 - Bing is a new search engine brought to you by microsoft. Haven't used it, don't know how good it is.

Library Searches

- Go to <http://www.library.arizona.edu/>

The screenshot shows the homepage of the University of Arizona Libraries. At the top, there is a navigation bar with the university logo and name, and links for 'LIBRARIES HOME', 'SEARCH THIS SITE', 'NEWS & EVENTS', 'GIVING TO THE LIBRARIES', and 'MY ACCOUNT'. Below this is a large blue banner with the text 'UNIVERSITY LIBRARIES' and a background image of a building. A secondary navigation bar contains links for 'Search & Find', 'Services', 'Help', 'About the Libraries', 'University Libraries', and 'Ask a Librarian'. The main content area features a search interface with tabs for 'All Resources', 'Books', 'Articles', and 'Media'. The search bar includes a 'Keyword' dropdown, a text input field, and a 'SEARCH' button. Below the search bar, there are examples of search terms and a link to 'Advanced Search'. To the right of the search bar is a 'WorldCat' logo. A button below the search bar reads 'Other Search Options - Library Catalog, Databases, & E-Journals'. On the right side of the page, there is a 'Today in the Libraries' section for 'Wed Jan 27, 2010', which includes a clock icon, a dropdown menu for 'Main Library - Building, Informa', and a table of hours for 'Student Hrs' (12:00AM-11:59PM) and 'Public Hrs' (7:00AM-1:00AM). Below the hours table are links for 'Curtain Call: An Exhibition of the UA Vaudeville Collections' and 'John Gutmann: The Photographer at Work', along with 'View All Events | Calendar'. Further down, there are three news items: 'Haitian Earthquake Resource and Information Guide', 'New Topographics', and 'Tuesday Talks: Vaudeville and Blackface Minstrelsy'.

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Hours Main Library - Building, Informa▼

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Public Hrs	7:00AM-1:00AM

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The University Libraries have pulled together ...

[New Topographics](#)
A reprising of the pivotal 1975 New Topographics exhibition will be on view at ...

[Tuesday Talks: Vaudeville and Blackface Minstrelsy](#)
Join us for Tuesday Talks @ the University ...

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More Specific Sources

When is it done

- As a scholar you are done when you find enough facts for the introduction to your argument to be credible.
- For example I could say global warming is not true.
- I could cite the following website,
<http://www.americanpolicy.org/un/thereisnoglobal.htm>
and call it a day.



The screenshot shows the American Policy Center website. At the top left is the logo for the American Policy Center. In the center, there is a banner with the text "United Nations" over a blurred image of a building. To the right of the banner is an eagle logo with a banner that says "LET'S GO DOWN". Below the banner is a navigation menu with the following items: Home, About the Center, Education, United Nations (highlighted in red), Property Rights, Privacy Rights, and Immigration. To the right of the navigation menu is a link that says "Return to article index". Below the navigation menu and link is the main heading "There is No Global Warming" and the text "There is no global warming. Period."

American Policy Center

United Nations

Home
About the Center
Education
United Nations
Property Rights
Privacy Rights
Immigration

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There is No Global Warming

There is no global warming. Period.

When is it done (continued)

- Last example probably not enough.
- At the same time, more isn't always better.
- When it starts being repetitive you can probably stop.
- When more knowledge doesn't add or take anything away from your argument you can probably stop.
 - Can't stop just because it takes away from argument.

Homework

- You are all interested in the following hypothesis:
 - Eating fast food is bad for your heart.
- Find and read three journal articles on the topic that would help you convince someone that this hypothesis is true
- Write a one page paper explaining how bad fast food is for your heart.
- There will be a rubric posted on the website outlining what is expected of you.
- There will also be instructions for how to properly cite the ideas and results coming from those papers.
- Email me your paper and copies of the articles by next Tuesday at 10