#### 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 decode.
  - 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 Resourses

#### 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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Evolutionary Psychology Psychopathy

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#### Scholarly articles for Evolutionary Psychology Psychopathy



4 Darwin in the madhouse: evolutionary psychology ... - Murphy - Cited by 45 Handbook of evolutionary psychology: Ideas, issues, ... - Crawford - Cited by 110 The sociobiology of sociopathy: An integrated ... - Mealey - Cited by 407

#### The Origins of Violence: Is **Psychopathy** an Adaptation? by Ian ...

by I Pitchford - Cited by 12 - Related articles - All 5 versions

Keywords: **psychopathy**, sociopathy, violence, **evolutionary psychology**, ... The [ **psychopath**] is unfamiliar with the primary facts or data of what might be ... www.human-nature.com/nibbs/01/**psychopathy**.html - Cached - Similar

#### NEL, Evolutionary Psychopathology

**Evolutionary Psychology**: The New Science of the Mind. ... **Psychopathy** and developmental instability. Evolution and Human Behavior 2001; 22:75–92. ... www.nel.edu/23\_s4/NEL231002R04\_Crawford.htm - <u>Cached</u> - <u>Similar</u>

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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 ... www.epjournal.net/filestore/ep022831.pdf - <u>Similar</u>

Lots of information is available

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Things to pay attention to.

work on psychopathy and gender differences, she addresses the complex problem of rape

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 If this number is large (e.g. 2 billion entries) this could mean one of two things.

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- 1. The topic you are researching is very popular
- 2. Your search term may be too broad.

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and its prevention from the viewpoint of evolutionary psychology, but ...

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A link to related articles

## 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

Web History | Search settings | Sign in "Evolutionary Psychology Psychopathology" Search Advanced Search ■ Show options... Results 1 - 10 of about 16,800 for "Evolutionary Psychology Psychopathology". (0.28 seconds) The Abduction of Disorder in Psychiatry - Cooprints

by JE Richters - 1999 - Cited by 28 - Related articles

Dec 19, 2009 ... Keywords: Mental Disorder, Evolutionary Psychology, Psychopathology, Classification, Taxonomy, Dysfunction, DSM ...

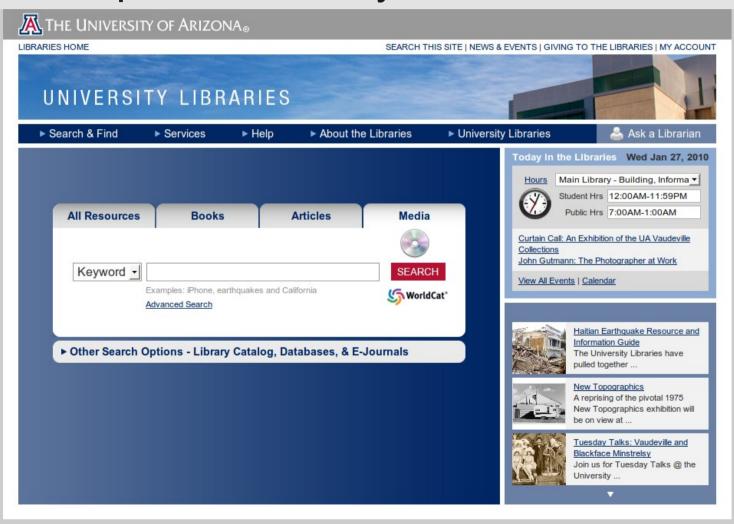
cogprints.org/1026/ - Cached - Similar

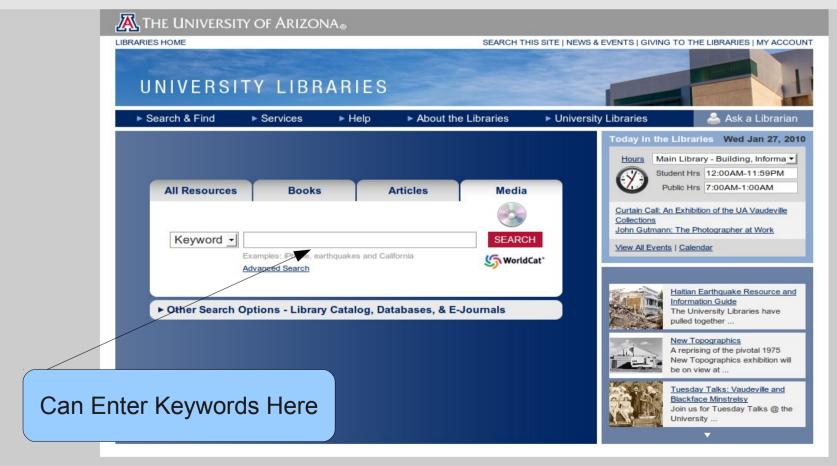
Psychopathology in great apes: Concepts, treatment options and ...

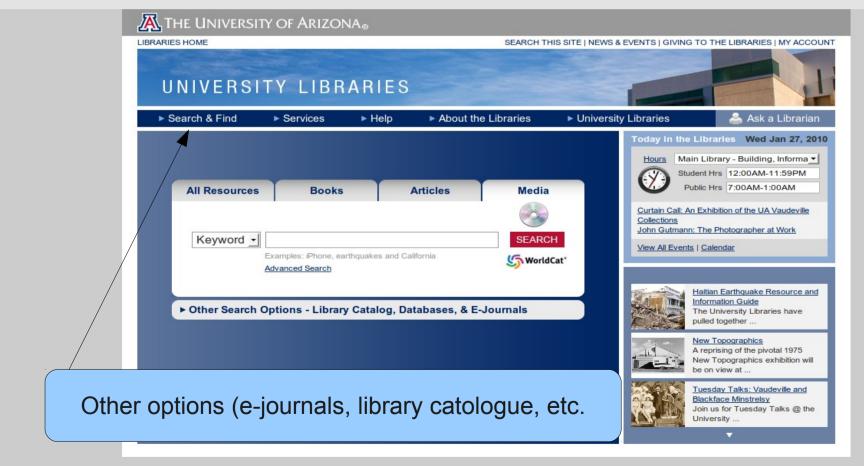
Number of hits

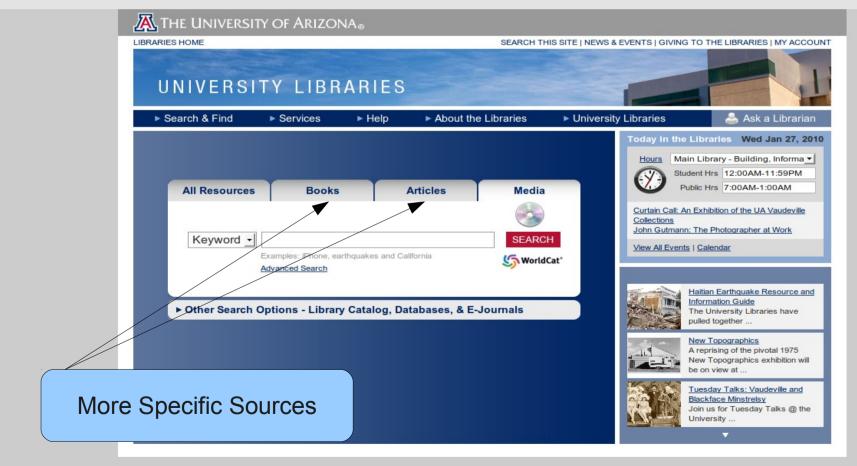
# Wikipedia, Google Scholar, Bing

- 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.









#### When is it done

- As a scholar you are done when you find enough facts for the introduction to your arguement 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.









Return to article index

#### 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