

Announcements

- ❖ Check announcements daily

Web Search Tools

- ❖ Subject (Web) Directories
- ❖ Search Engines
 - ❖ Based on “spider” gathering information
 - ❖ Search Engine List
 - ❖ <http://websearch.about.com/od/enginesanddirectories/tp/search-engine-list.htm>
- ❖ MetaSearch Engines
 - ❖ Rely on several search engines to get results.
 - ❖ MetaSearch Engine List
 - ❖ http://websearch.about.com/od/metasearchengines/Meta_Search_EnginesSearch_with_the_Best_Meta_Search_Engines.htm
- ❖ Invisible Web
 - ❖ Example – searchable databases
- ❖ Great References
 - ❖ <http://websearch.about.com/od/internetresearch/a/whatissearch.htm>
 - ❖ <http://www.lib.berkeley.edu/TeachingLib/Guides/Internet/FindInfo.html>

Web Directories

- ❖ Organizes web sites by topic
- ❖ It is maintained by humans rather than software
- ❖ Smaller than search engines' databases
- ❖ How to search a web directory
 - ❖ A provided term is search in the directory's indexed categories
- ❖ Examples
 - ❖ Open Directory - <http://www.dmoz.org/>
 - ❖ Yahoo - <http://dir.yahoo.com/>
 - ❖ Mahalo - <http://www.mahalo.com/>

Trustworthiness of Web Data

- ❖ How can we verify the data/information from the the web is valid?
- ❖ Cartoon – *“On the Internet, Nobody Knows You’re a Dog”*
- ❖ How can we verify the data validity and integrity?
- ❖ Remember anyone can write a web page!
- ❖ Example:
 - ❖ Wikipedia – who writes it?
 - ❖ How can we know a web site is legit?
- ❖ You need to carefully evaluate what you find in the web

Criteria to Evaluate Web Data

- ❖ Excellent Reference:
<http://www.library.jhu.edu/researchhelp/general/evaluating/>
- ❖ Criteria
 - ❖ Authorship
 - ❖ Who wrote the document?
 - ❖ Do you recognize the author (e.g., someone in your field)?
 - ❖ Is the document linked to a document you trust?
 - ❖ Is biographical information provided?
 - ❖ Is the author referred to by a trust authority (persons)?
 - ❖ Publishing Entity
 - ❖ Any organization name provided in the document?
 - ❖ Can you contact the web master?
 - ❖ Are any parts of the document (headers, images, etc.) associated with an organization?
 - ❖ Is the URL associated with an organization you trust?
 - ❖ Can you verify the identity of the server via whois servers or dnslookup?
 - ❖ Point of view – Examine who is providing the information and what might be their point of view
 - ❖ Is the document part of an organization with a philosophical or political agenda?

Criteria to Evaluate Web Data

- ❖ Criteria
 - ❖ Context author situates the work
 - ❖ Author displays knowledge or sources, theories, techniques
 - ❖ Document includes a bibliography
 - ❖ Accuracy
 - ❖ Document relies on sources listed in a bibliography
 - ❖ Background information used can be verified for accuracy
 - ❖ Methodology presented is appropriate for the topic and allows for study duplication
 - ❖ Currency (Timeliness of Information)
 - ❖ Keep in mind that for some documents this is not an issue
 - ❖ Document refers to clearly dated information
 - ❖ Document includes a publication date
- ❖ Guide to evaluating web pages
 - ❖ <http://www.lib.berkeley.edu/TeachingLib/Guides/Internet/Evaluate.html>
- ❖ Bibliography on Evaluating Web Information
 - ❖ <http://www.lib.vt.edu/help/instruct/evaluate/evalbiblio.html>
- ❖ Librarian Internet Index
 - ❖ <http://lii.org/>

Link/CSS Example

❖ **Example:** Links folder

Conventions to Use From Now on

- ❖ Variable/Function names
 - ❖ We will use lowercase
 - ❖ If multiple words are associated with a variable name then capitalize the first letter of second word on
waterTemperature
globalWarmingIndex
- ❖ Curly Brackets
 - Use a particular style
- ❖ Comparisons
 - Use `===` rather than `==`
- ❖ No global variables!
- ❖ Good indentation

Testing/Debugging

- ❖ Testing
 - ❖ Remember to test your code as you develop it
 - ❖ First use simple data sets
- ❖ Debugging
 - ❖ Make sure your input is correct
 - ❖ Use Error Console to track down problems
 - ❖ Use lint to check the syntax
 - ❖ Use alert to display values and identify the execution path
 - ❖ Use trace tables
 - ❖ When writing trace tables create a column for each variable
 - ❖ Define the columns as you see find the variables
- ❖ When writing functions
 - ❖ Test each function individually with its own driver
- ❖ Let's see an example

 vs. \n

- ❖ What is the difference between the two?
- ❖ When should we use them?
- ❖ **Example: Brvsnewline.html**

document.writeln/write

❖ **Example: WritelnVsWrite.html**