Sources

• On-line:

JournalsEncyclopedia

Books

Software documentation

School of Statistics University of Minnesota March 10, 2008		 Unpublished work Off-line: Books Journals Encyclopedia Software documentation Unpublished work 				
STAT8801 (Univ. of Minnesota) Some Research Skills	6 March 10, 2008 1 / 16	STAT8801 (Univ. of Minnesota)	Some Research Skills	March 10, 2008	2 / 16	
Journal articles		Books				
 Pros: Comprehensive Up to date Complete Usually the primary source 		Pros: • Usually less technical f • Often better written/e • Generally not on-line	-	an journal articles		
Cons: • Can be difficult to find • Often difficult to understand • Idea/notation drift		Cons: • Often only cover "big" • Often poorly indexed	' subjects			

Some Research Skills

Gary W. Oehlert, rev. S. Weisberg

Encyclopedia

Here I'm mostly talking about *The Encylopedia of Statistical Sciences*. Pros:

- Wide variety of topics
- Well written, understandable articles
- Easy to understand

Cons:

- Very expensive
- Not widely available
- Doesn't cover everything

On-line

A google search on well-chosen key words can turn up dozens of relevant and helpful links. But \ldots

Here be Dragons!

Web items are not authoritative. Any jerk with a computer can put stuff up.

Know your source!

STAT8801 (Univ. of Minnesota)	Some Research Skills	March 10, 2008	5 / 16	STAT8801 (Univ. of Minnesota)	Some Research Skills	March 10, 2008	6 / 16
				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
Tally Ho!				Jackpot!			

Let's go hunting for something, say discrete choice models and multinomial logit models.

The easiest thing is just to google and see what we find.

http://www.google.com

OK, we may have a winner. The very first link is to an entire book on discrete choice models by a professor at UC Berkeley. We also find lecture notes from NYU and similar items. These are more authoritative than you generally find.

Wikipedia www.wikipedia.org

//query.statindex.org

How about Parks' 1980 paper on the multinomial logit? It sounds pretty early.

Parks, Richard W. (1980) "On the estimation of multinomial logit models from relative frequency data" *Journal of Econometrics*, 13, 293-303

How do we find it?

Making a COPY of an article \neq READING an article.

STAT8801 (Univ. of Minnesota) Some Research Skills March 10, 2008 9 / 2	16 STAT8801 (Univ. of Minnesota) Some Research Skills March 10, 2008 10				
www.lib.umn.edu	Indexes				
The library homepage provides access to many resources, including e-journals, indexes, data sources and many others.	We also like to trace : who did this paper cite, and who cited this paper.				
 To find a journal article Go to www.lib.umn.edu. Click on e-journals. Search for econometrics. 	Citation index Can be used to trace ideas forwards and backwards via references. Go to www.lib.umn.edu and click on indexes, then "Cited reference indexes", then click on Science Citation Index.				
Choose Journal of Econometrics.	Google scholar scholar.google.com also presents citations				
Sill in year and page number.	Lexis-Nexis academic general contemporary search of news sources				
Eventually, you'll get to the article (you may need id and password).					

Web of Science

paper of interest. You can

• Find papers that cited it.

• Find papers that cited them.

Then you start looking these up online as well.

• Find the papers they cited.

Software documentation

Caveat emptor, let the buyer beware.

- SAS I [Gary] love to hate SAS, but they have good, extensive documentation. Go to support.sas.com. Search for "multinomial logit" or "discrete choice".
 - R Documentation for R is more diverse. A good starting point is www.r-project.org, with links to manuals, FAQs, the R Newsletter, the R Wiki, and books.
- Specialized programs Some areas use specialized programs; e.g., Mark, welcome.warnercnr.colostate.edu/~gwhite/mark/ mark.htm for mark-recapture studies of animal populations, and Winsteps, www.winsteps.com in educational testing. Finding out what they do can be a challenge.

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Books about/u	sing stats pack	ages			Data sources			
Hits on amazon.co	m on 3/7/08:				www.fedstats.gov pr statistics (that is, num		<i>i</i> to many federal	
	SAS SPSS Stata	54,000 8,000 5,000			Other governmental ag available on line.	gencies (such as states) o	often make data	
	Lisrel Minitab	1,800 1,800 40			Private organizations a	lso provide data; e.g.		

Accessible from the library's indexes page. You can now search for the