Online Research

Matching Decisions and Data

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Agenda

- Online Surveys
- Online Panels
 - > HOTWEB

Online Surveys the well known problems

- ⇒ Self selection bias
- No way of estimating the population size
- → No randomization, so no statistical validity

Online Surveys what are they good for?

Issue	Measurement	Comment
How many users are there?	Estimating population size	××
	Estimating segment size	×✓
How are users changing?	Trends in population estimates	×✓
	Trends in segment sizes	✓
What do my customers want?	Segment behavior, attitudes, preferences	√ √
How do my customers differ from others?	Comparing segment behavior	$\checkmark\checkmark$

The Changing Web

	First (Apr 94)	Second (Oct 94)	Third (Apr 95)	Fourth (Oct 95)
AGE (Average)	28	31	35	33
INCOME (Avg)		\$59,600	\$69,000	\$63,000
GENDER				
Female	5	10	15	29
Male	95	90	85	71
MARITAL				
Single (US)		47	43	39
EDUCATION				
Udergrad Degree		34	35	32
Grad/Prof Degree		39	32	25
OCCUPATION				
Educational	43	31	24	31
ACCESS				
Educational		51	27	32
HARDWARE				
Mac/PC	8.5	48	78	82
Unix/Others	91.5	52	22	18
WILLING TO PAY?				
No	40	22	23	32
Maybe	55	71	74	68

If you build it, they will come (?)

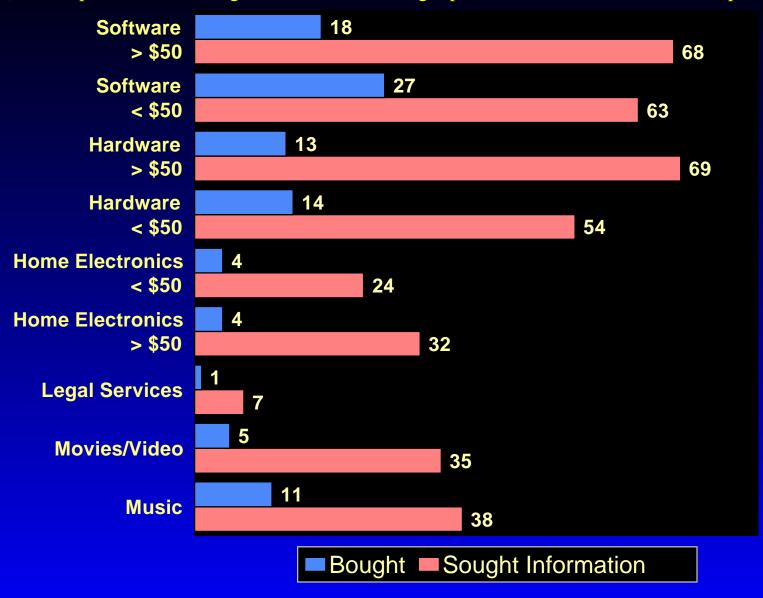
Category	# of WWW Vendors Q1, '95	% of Respondents Who Have Bought Online
Software	669	30
Hardware	308	18
Music	249	11
Books	136	14
Travel	115	10
Legal Services	89	1
Apparel	63	6
Videos	52	4
Home Electronics	32	5
Plays/Concerts	7	4

Source: Yahoo, Open Market, GVU/HERMES 3rd Survey

Online Surveys test-retest stability

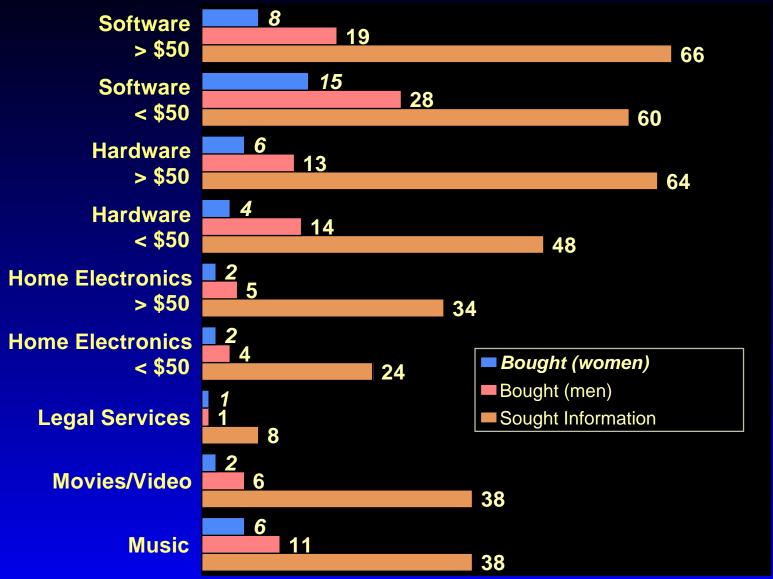
- responses are well thought out
- very good stability properties
- and, there is variation too!

Online Information Seeking and Buying I
(% of respondents who sought information or bought products/services online over the past 6 months)



You are welcome to use these results. However, you must cite the URL you obtained the results from, Sunil Gupta of the HERMES project at the Michigan Business School (sgupta@umich.edu, http://www.umich.edu/~sgupta/hermes.htm), and Jim Pitkow and Mimi Recker of the GVU Center's 3rd WWW User Survey (http://www.cc.gatech.edu/gvu/user_surveys/) 3rd Survey

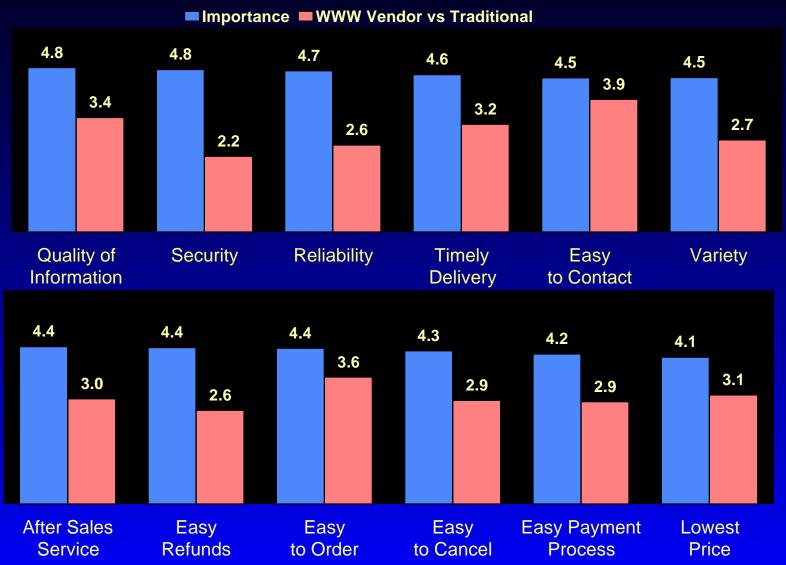
Online Information Seeking and Buying I
(% of all respondents who sought information or bought products/services online over the past 6 months)



Relative Importance and Perceptions of WWW Vendor Characteristics

(Average scores on 5 point scales:

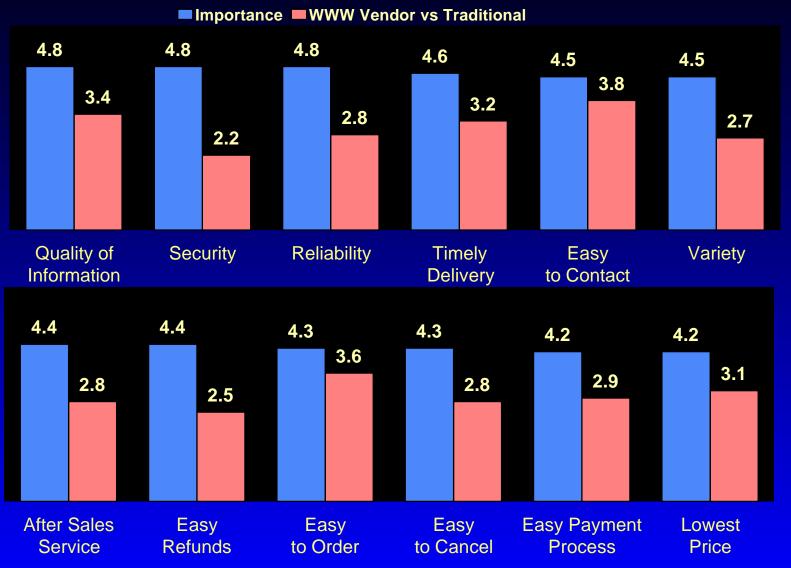
Higher numbers signify greater importance in choosing a WWW vendor, and better evaluation of WWW vendor compared to other traditional vendors)



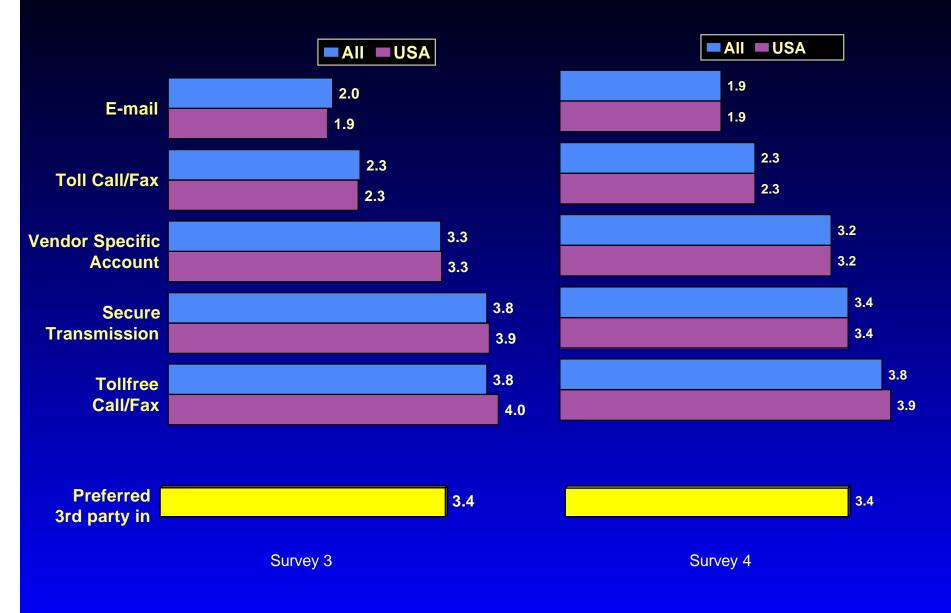
Relative Importance and Perceptions of WWW Vendor Characteristics

(Average scores on 5 point scales for all respondents:

Higher numbers signify greater importance in choosing a WWW vendor, and for perceptions, scores above 3 indicate WWW vendors preferred to other traditional vendors)



Payment Options
(Average scores on 5 point scale: Higher scores imply greater usage likelihood)



Online Surveys segment behavior

- those who are most concerned about reliability of secure transmissions, ability to cancel orders, doubtful of WWW vendor's reliability are least likely to buy online
- secure transmission is least effective for those users who most strongly believe that it is "foolish to provide credit information online"
- even those who generally buy a product very often through non-Web sources, but have strong reliability/security concerns, buy disproportionately less online (e.g., women in several product categories)

Online Surveys some conclusions

- ⇒ fast, cheap, global results not very different from those obtained through other studies
- ability to track segment level trends
- stable, behavioral insights
- ono size estimates
- limited details

Online Panels what are they god for?

- what do segments of interest to my company like best (even beyond my product category)?
- ability to test marketing options with chosen segments
- ability to selectively communicate with, and gauge responses of chosen segments
- ⇒ how do specific segments use the Web, (or how and where should I be participating)?

Online Panels

HOTWEB

- ⇒ 150 Web users send their hotlists and history files, on a daily/weekly/monthly basis
- Occasionally respond to questionnaires which provide greater insights into their lifestyles
- → Have responded to one online concept test (interactive conjoint)

Online Panels what are they good for?

- Avoid representativeness problem (if you know what segments are of greatest interest to you)
- Detailed understanding about the interests, and Web usage of customers permits better online advertising decisions (great supplement to log file based evaluation of Web sites)
- Ability to do "complicated" research, on a global basis

Online Research

- ⇒ Despite well known problems, online research can be very useful, especially when interest centers on
 - > trends
 - segment level behaviors
 - detailed understanding of global users
 - the research questions are complicated
 - > costs are an important concern