

Surveys



Surveys

- Popular tool in research involving human subjects
- Best method – or easiest method?
 - Harvest data from large sample
 - Low cost
 - Anonymity & confidentiality
 - Determine data analysis from outset

Good Practice



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Define Your Research Aims (W/E)

- What are you trying to do or find out?
 - E.g. A critical review of technology driven golf aids
- What is your hypothesis/hypotheses?
 - Technological aids improve golfers understanding of their game
 - Golfers perceive that the aids do not improve their scores

Target population/sample (W/E)

- Potentially all golfers (in a particular category)
 - Too many to interview individually!
- Purposive sampling strategy
 - Target those playing competitive golf
 - Email key figures to promote the survey
 - Use social networks
 - Use direct contacts
- Target population of over 350 people

How to collect replies?

- On-line
 - Increases audience reach
 - Which service?
 - LimeSurvey, SurveyMonkey, Qualtrics or bespoke?
- Paper-based
 - Where to send?
 - Include an S.A.E. and/or covering letter?
- Email
 - Trade off: convenience v anonymity
- Use realistic deadlines!

Question Design

- Clear, unambiguous, easy to understand
 - Especially for on-line surveys
- Free from jargon, without needing further explanation
- Do not collect unnecessary data
- Avoid assumptions and biases
 - “Do you use on-line assessment or more inefficient paper based methods?”

Question Design

- Avoid Ambiguity:
- Q: “When did you start using on-line assessment?”
- Possible Responses:
 - “In May 2008” (objective date)
 - “When I was a student” (personal)
 - “Two months ago” (relative)
 - “After we discussed it” (shared private knowledge)

Question Design

- Personal or offensive:
- Q: “How much do you earn per month?”
- Possible Responses:
 - “None of your business” (angry & offended, disengaged with further questions)
 - “£300,000” (distortion for personal esteem)
 - No response

Question Design

- Simple/multiple choice

- Choice of responses

“Have you used MMS within the last week?”

☐ Yes

☐ No

☐ Don't Know

“Which of the following resources did you use to produce your bibliography?”

☐ Google scholar

☐ Other, please state

☐ Microsoft academic search

☐ ACM digital portal

☐ Elsevier's journal site

Question Design

- Response scales

- Opinion/attitudinal measurements

“The new on-line submission tool saves me time”

- Likert scale – weighted responses

- 7 point scale *Strongly agree...Strongly Disagree*

- Positive/negative comment distribution

- A simple website usability survey <http://bit.ly/9N5JNf>

Question Design (W/E)

- Develop Likert-rating items for each issue
 - Statements point scale agree /disagree

“The system helps to improve your swing technique”

Strongly
Disagree



Disagree



Neither Agree
Nor Disagree



Agree



Strongly
Agree



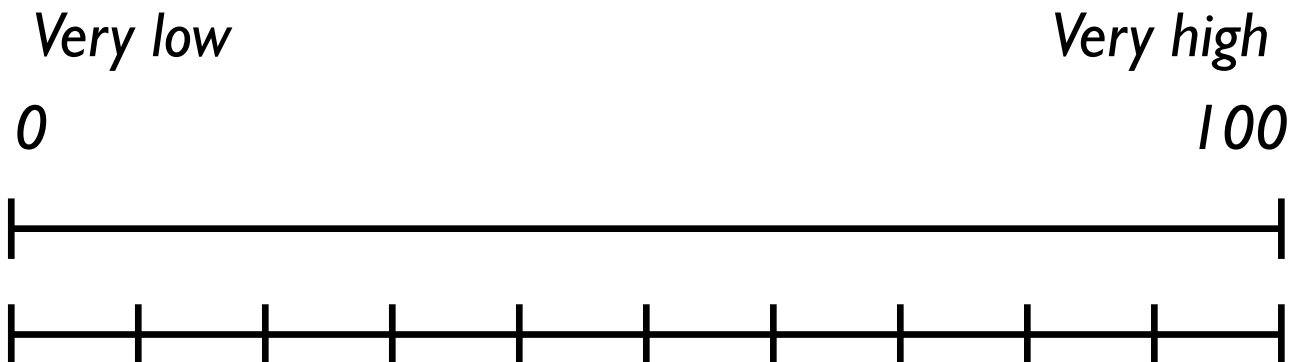
Don't
Know



Question Design

- Continuous rating scales
 - Manual surveys only...

How heavy has your assignment workload been this term?



Questionnaire design

- Investigate best practice for layout & design
- Length
 - 10-15 minutes is a good guide
- Order of questions – simple to complex
 - Most important items first
 - Logical flow of questions
 - Sections
- Clear headings & instructions