Standardized questionnaires and construction of a new questionnaire

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Learning Objectives

At the end of this presentation, participants are expected to demonstrate an understanding of:

- Different types of tests.
- Different types of questionnaires.
- Effective ways to design questionnaires.

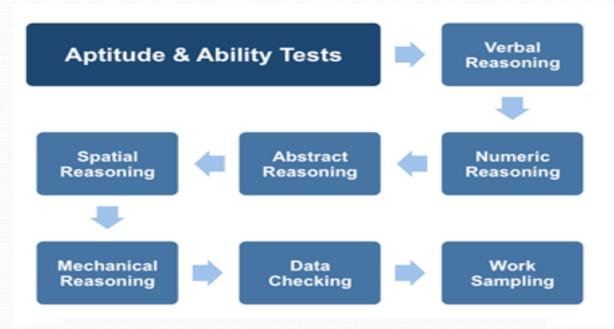


Different types of tests



Psychometric Tests: Practice Free Psychometric Tests. Retrieved Nov 5, 2019 from https://psychometric-success.com/aptitude-tests/speed-versus-power-tests/

Aptitude & Ability tests



Psychometric Tests: Practice Free Psychometric Tests. Retrieved Nov 5, 2019 from https://psychometric-success.com/aptitude-tests/speed-versus-power-tests/

Designed to determine achieved knowledge in certain subject.	Designed to determine potential for success in a certain area
Tests students have met specific learning goals or not at each grade level.	Tests determine which types of career one might be best suited for
Efficient way to get an idea of how well students are performing	Tests offer objective comparisons, improve the quality of hiring through

Aptitude test

training needs assessment.

Focus of Test?

Costly & tailored to the various positions

Performance/ability test

Too much emphasis on passing a test

ignoring critical and creative thinking

Speed test

Power test Present a smaller number of more

How many questions you can answer correctly in the allotted time.

Scope of the questions is limited

Speed tests contain more items

The methods to answer is clear.

Tends to be used in selection at the

administrative and clerical level.

Scope of the questions is unlimited

The methods to answer are not obvious

complex questions.

Tends to be used more at the graduate, professional or managerial level

Power tests contain less items

Personality Tests	Attitude tests	
Measure human character or	Assess an individual's feelings	
disposition	about an event, person, or object.	
Assess clinical disorders & who	Attitude scales are used in	
needs counseling.	marketing to determine individual	
Identify individual differences &	(and group) preferences for	
promote better communication.	brands, or items.	
DISC personality profile	Likert type scale	

(Dominance, Influence, Compliance,

Steadiness)

Questionnaire and Its Types:

Mumbai University . Retrieved Nov 6,2019 from https://www.slideshare.net/DrMadhuriSadgir/questinnaire-slide-share-pdf



What is a Questionnaire

A set of Questions designed to generate the statistical information from a specific demographic needed to accomplish the research objectives



A questionnaire is a research tool consisting of a series of questions and other prompts (Fact) asked to individuals to obtain statistically useful information about a given topic. The questionnaire is invented by the Sir Francis Galton. (S.Pandya, 2010)

Types of questions

1.Close Ended or Structured
Questionnaires

- 1. Limited Freedom to express opinion
- 2. Caping of options (Avoid bias)
- 3. No thumb rule fix numbers of options
- 4. Data form is Quantitative
- 5. Easy to analyse/ coding statistically
- 6. Scope of getting extra information is very less.

Questionnaire and Its Types: Mumbai University . Retrieved Nov 6,2019 from https://www.slideshare.net/DrMadhuriSadgir/questinnaire-slide-share-pdf

Examples of Closed ended question

Do you have a driving license?

() Yes

() No

Which subject did you enjoy the most at school?

- () Math
- () Science
- () English
- () Foreign Language
- () History
- () Government
- () Art / Music
- () Other

How many hours a day do you spend doing homework?

- () 0 to 1 hour
- () 2 to 3 hours
- () 4 to 5 hours
- () more than 5 hours

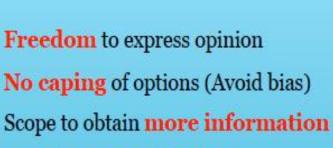
Examples of Closed ended question

• Example of a Rating Question
Please describe how you felt about the City tour at Saarbrucken?
(1=Unsatisfied, 2=Somewhat Satisfied, 3=Satisfied, 4=Very Satisfied, 5=Extremely Satisfied)

Example of a Ranking Question

Please rank the following events at Saarland University in order of preference (starting with 1 for your favorite activity).

Excursion to Trier & Sarburg
City & Campus Tour
Buddy program * you & me *
International country evenings



Data form is Qualitative

Data form is Quantative

Difficult to analyse/ coding statistically

2.
Open Ended or
Unstructured
Questionnaires

Questionnaire and Its Types: Mumbai University . Retrieved Nov 6,2019 from https://www.slideshare.net/DrMadhuriSadgir/questinnaire-slide-share-pdf

Example of open ended question

What do you like best about the Edutech online courses?

3. Mixed/Semi-structured questions

Example:

Why did you enroll in ERM course?(please select all that apply)

- () I am interested in interdisciplinary studies.
- () I am interested in experiential learning.
- () I thought it would help me develop my understanding in research
- () I knew that the instructors of this course are very helpful.
- () Other _____

Tips for designing questionnaires

- Clearly state your intentions with the research.
- Include instructions with your survey questionnaire.
- Don't ask for personal information unless you need it
- Keep the questions short and concise, grammatically simple, specific.
- Order questions according to subject/topic.
- Pilot test the survey questionnaire before you administer it!

Quiz:

Designing good questions

- How have teachers and students at your school responded to the new 45minute lunch period?
 - () Satisfied
 - () Unsatisfied

- How have <u>teachers</u> at your school reacted to the new 45-minute lunch period?
 - () Satisfied
 - () Unsatisfied
- How have <u>students</u> at your school reacted to the new 45-minute lunch period?
 - () Satisfied
 - () Unsatisfied

Quiz:

Designing good questions

 Do you think that the new lunch menu at Mensa offers a better variety of healthy foods than the old one?

- () Yes
- () No
- () No Opinion

- How do you feel about the new lunch menu at Mensa compared to the old one?
 - () The new menu offers a better variety of healthy foods
 - () The old menu offers a better variety of healthy foods
 - () The selections are similar
 - () No opinion

Quiz:

Designing good questions

- What do you think about this report? ___
 - A. It's the worst report I've read
 - B. It's somewhere between the worst and best C. It's the best report I've read

Rank your impression of this report on a scale of 1 to 5
 (where 1 indicates the worst report you have read, and 5 indicates the best).

Survey Question Pitfalls

- Poorly worded questions (ambiguous, broad, double-barreled)
- Order of questions
- Order of responses
- Too many/ too few choices
- Jargon
- Differences in scale

Activity: Checking understanding with Socrative tool

https://b.socrative.com/login/student/

Password: PDCSESSION

References:

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