

20 Questions To Ask When Designing Quantitative Research

Designing a research project can be challenging. Here are twenty, non-exhaustive questions that you should consider while designing your project:

1. What is the research question?
2. Is the question too broad or narrow?
3. Is the research novel (i.e. What have other researchers done?)?
4. Is the research comparative (e.g., randomized treatments) or observational in nature?
5. What are the hypotheses or quantities of interest that need estimating (e.g. Incidence, odds ratio)?
6. Are the appropriate experts involved?
7. What is the population?
8. Are the appropriate inclusion and exclusion criteria used?
9. What methodology should be used?
10. What is the main outcome?
11. What are the independent variables?
12. Are the measurement tools valid and reliable?
13. Will the sample size be adequate?
14. Is the research feasible?
15. What will be the appropriate statistical analysis?
16. How will the results be interpreted?
17. What generalizations will be allowed?
18. What will be the limitations of the research?
19. How can the methodology be strengthened?
20. Will the research question be addressed and what will it add to the body of knowledge?

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