

Study Goals: Intended Use, Planned Statistical Analyses, Impact of Missing Data

Setting: Natural Vs. Contrived

Subjects: Disguised Vs. Non-disguised

Data Collection/Survey Delivery:

Human Vs. Mechanical Observation

Direct Vs. Indirect

Structured Vs. Non-structured

Target Response Rate

Measures Used To Maximize Response Rate:

Professional Production/Presentation

Incentives

Cover Letter or Flyer

Clear, Concise Instructions

Limited Number of Questions

Non-threatening First Question

Categorization of Questions

Varied Question Type

Convenient Return Mode

Follow-up Letters

Anonymity & Confidentiality

Consultations

Wording Of Questions:

No Intimidating Wording

Narrowed to One Dimension (Bit of Information)

All Possible Answers Accommodated

Mutually Exclusive Answer Options

Inclusion of Neutral Answers (e.g. Don't Know, No Opinion)

Produces Variability in Answers

Does Not Presuppose A Certain State of Affairs

No Implied Answers

No Answers Dependant On Previous Question

Ranked Answers Limited To Five Items Or Less (No Importance Ranking)

Order of Questions Pre-notification Letters Cover Letters Sampling Method

Business Statistics, Mr. Nelson, 1/15/2012



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Survey Design Tasks	Hours	Duration
Goal clarification		
Study design		
Selection of sample		
Designing the questionnaire		
Prepare cover letter or flyer		
Conduct pilot test		
Revise questionnaire (if necessary)		
Printing time for questionnaire & cover letter/flyer		
Locating the sample (if necessary)		
Time in the mail & response time		
Attempts to get non-respondents		
Data entry and verification		
Coding open-ended responses		
Analyzing the data		
Preparing the report		
Printing & distribution of the report		



Team Members:,
Proposition:
Target Population:
Subpopulation A: Subpopulation B:
Focus Categorical Variable:
Define Focus Proportion:
Focus Quantitative Variable:
Focus Question #1:
Within the target population of, is the proportion of in the subpopulation of
(A) equal to the proportion of in the subpopulation of(B)?
Focus Question #2:
Within the target population of, is the mean number of (quantitative variable) in
the subpopulation of (A) equal to the mean number of (quantitative variable) in
the subpopulation of (B)?
Cover Letter/Flyer: A (cover letter, flyer) will be prepared to explain the purpose of the survey. This
written material will (explain the intended purpose of the survey), (promote the need for such a survey), (provide
instructions/clarifications), (provide deadlines for response), (describe incentives for participants), and (

Proposed Se	tting of Data Collection:
Data will be (directly; indirectly) gathered in a (natural; contrived) setting for the target
population of	(describe location). The survey will be (disguised; non-disguised)
so subjects (v	vill be aware; will not be aware) of the data collection process. The subjects will (be; not be)
anonymous.	All responses will (be; not be) confidential.
Proposed Sa	mpling Method:
A (random; stra	tified random; systematic; cluster) sample has been chosen for this survey. (Add the following
clauses that app	ly.) {The population will be divided into (#) homogeneous strata), (list strata.)}; {(The population is
divided into (#)	heterogeneous clusters, (list clusters.)}; {A census for the target population was available with all
subjects listed in	n a random order, not alphabetical.}
Random sele	ection Of Subjects From Population: ction of (subjects; clusters; subjects within each strata) will be conducted. (describe process of random selection) The following measures will be to insure that all members of the population are equally likely to be chosen for the
Random selection implemented	ction of (subjects; clusters; subjects within each strata) will be conducted. (describe process of random selection) The following measures will be
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implemented survey. (list m	ction of (subjects; clusters; subjects within each strata) will be conducted.
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Random selection implemented survey. (list managed Response) Target Response; The	ction of (subjects; clusters; subjects within each strata) will be conducted.
Random selection implemented survey. (list managed Response) Target Response; The	ction of (subjects; clusters; subjects within each strata) will be conducted.

Proposed Data Gathering Methods:
(Human; Mechanical) collection has been chosen. {The interviewer will verbally ask the subject each question,
and carefully record responses on (describe recording device). } ; {The interviewer will provide each subject
a copy of the questionnaire, will review it after submission for oversights, and store the responses in
(describe recording device). }
Proposed Statistical Procedures:
Planned inference procedures include (confidence interval estimates, one-sample tests of significance, two-
sample tests of significance) for (proportions, means, both means and proportions). Two-sample tests of
significance for means (will, will not) use pooled data because the variances for the two
subpopulations are (known, not known) to be equal. These analyses will determine if a statistically
significant differences exist between: (1) the proportion of (focus proportion) for
the two subpopulations,(A) and(B); and (2) the means for
(quantitative variable) in the two subpopulations, (A) and
(B).
Potential Sources of Bias/Proposed Mitigation Measures:
(type of bias);(briefly describe mitigation measures taken to avoid)
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(type of bias); (briefly describe mitigation measures taken to avoid)
Proposed Pilot Test: A pilot test of (#) subjects will identify unforeseen bias in the wording of the questions, and any

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other survey design modifications that may be required to insure meaningful results.