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Prelims PYQ, Mains model answers, and copy evaluation. Write to the desk for this paper, a doubt, or the AI waitlist.

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Q3(a)

Why is random sampling said to have more reliability and validity in research?

UPSC Civil Services Mains 2015 · Sociology GS 1 · 20 marks · Research Methods and Analysis

Research Methods and Analysis: Qualitative and quantitative methods; Techniques of data collection; Variables, sampling, hypothesis, reliability and validity.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

<https://wrapexams.com/upsc/mains-answers/sociology-gs-1/2015/why-is-random-sampling-said-to-have-more-reliability-and-validity-in-research/>

Probability sampling

Each unit has a known non-zero chance; supports design-based inference to the frame population.

NFHS

Large Indian household survey using probability selection for health and fertility indicators.

Sampling frame

List or procedure from which draws are made; without it, "random" is a slogan.

Design effect

Cluster samples can inflate variance; ignoring it overstates reliability.

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