

VU SOLUTION BY RAJA MUSHTAQ:

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### Sta630 final paper 12-02-2024 by r\_m

Long.. 2 Limitations of historical-comparative research

Short:

- 1.Parameter and statistics
- 2.Why probability is more..??? ..... Thn non probability sampling?
3. Maturation and testing
4. Historical - comparative research .

### Answer

\*STA630 Long Question:\*

\*Limitations of Historical-Comparative Research:\*

1. \*Difficulty in Establishing Causality:\* Historical-comparative research often struggles to establish causal relationships between variables due to the absence of experimental control. Factors beyond the researcher's control may confound the results, making it challenging to determine causation.

2. \*Limited Generalizability:\* Findings from historical-comparative research may not be easily generalizable to other contexts or populations. Historical events and social conditions vary, making it difficult to apply findings universally.

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**\*STA630 Short Questions:\***

**1. \*Parameter and Statistics:\*** Parameters are numerical characteristics of a population, while statistics are numerical characteristics of a sample drawn from that population. Parameters are typically unknown and estimated using statistics.

**2. \*Why Probability Sampling is Preferred over Non-Probability Sampling:\*** Probability sampling methods, such as simple random sampling or stratified sampling, ensure that every element in the population has a known chance of being included in the sample. This allows for generalizability of findings and statistical inference. Non-probability sampling methods, like convenience sampling or purposive sampling, may introduce bias and limit the ability to make inferences about the population.

**3. \*Maturation and Testing:\*** Maturation refers to changes in participants over time that could affect the outcome of a study. Testing refers to the impact of pre-testing on post-test results. Both maturation and testing are threats to internal validity in research designs, as they can confound the results and lead to incorrect conclusions.

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4. **\*Historical-Comparative Research:\*** Historical-comparative research is a qualitative research method that examines historical events and social conditions across different societies or time periods. It aims to identify patterns, similarities, and differences to understand social phenomena and their underlying causes.

جزاك الله خيرا كثيرا واحسن الجزاء في الدنيا والآخرة 🌸

Thynks... 🍀 ❤️

Regards:r\_m... 🤖