

Week-02-L-06

# Statistics for Agriculturists

## Non-Sampling Errors

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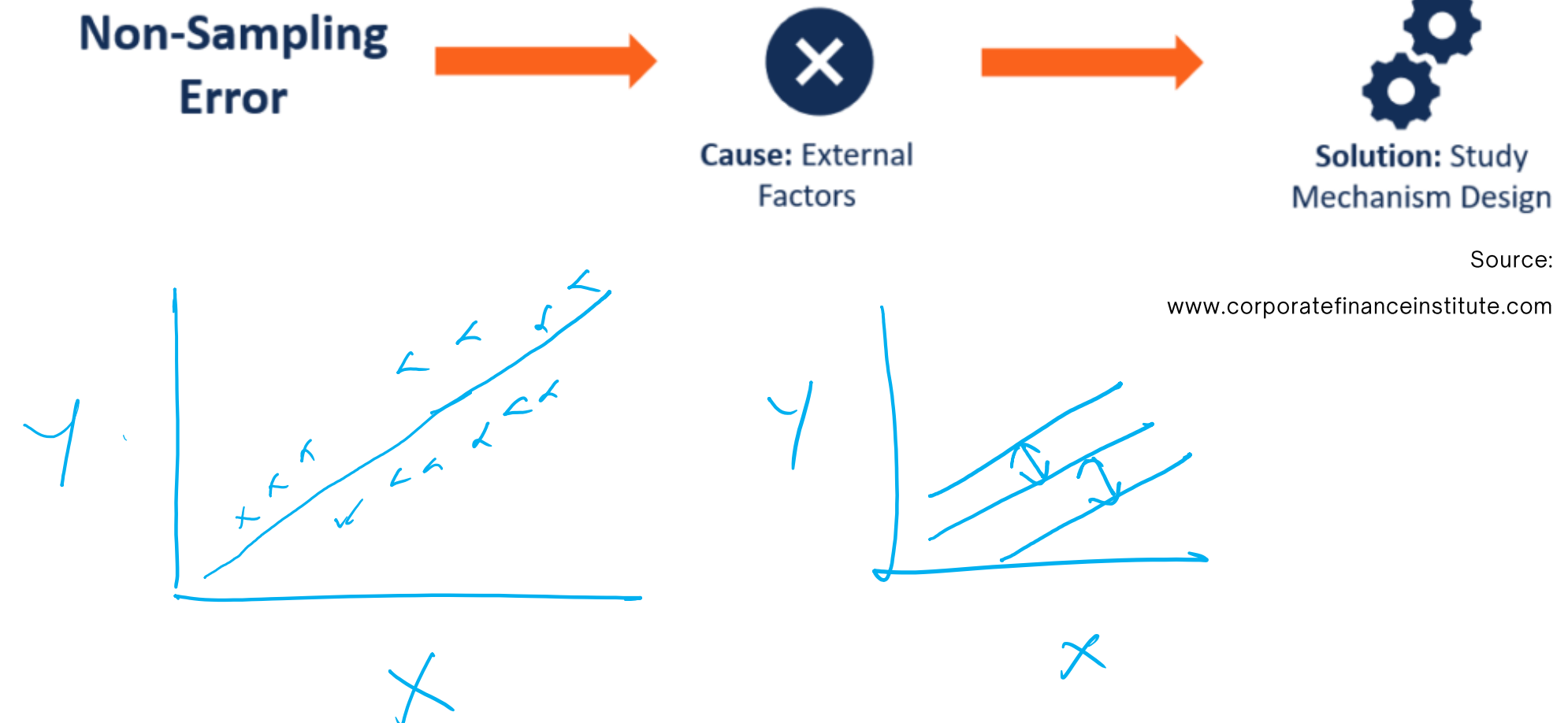
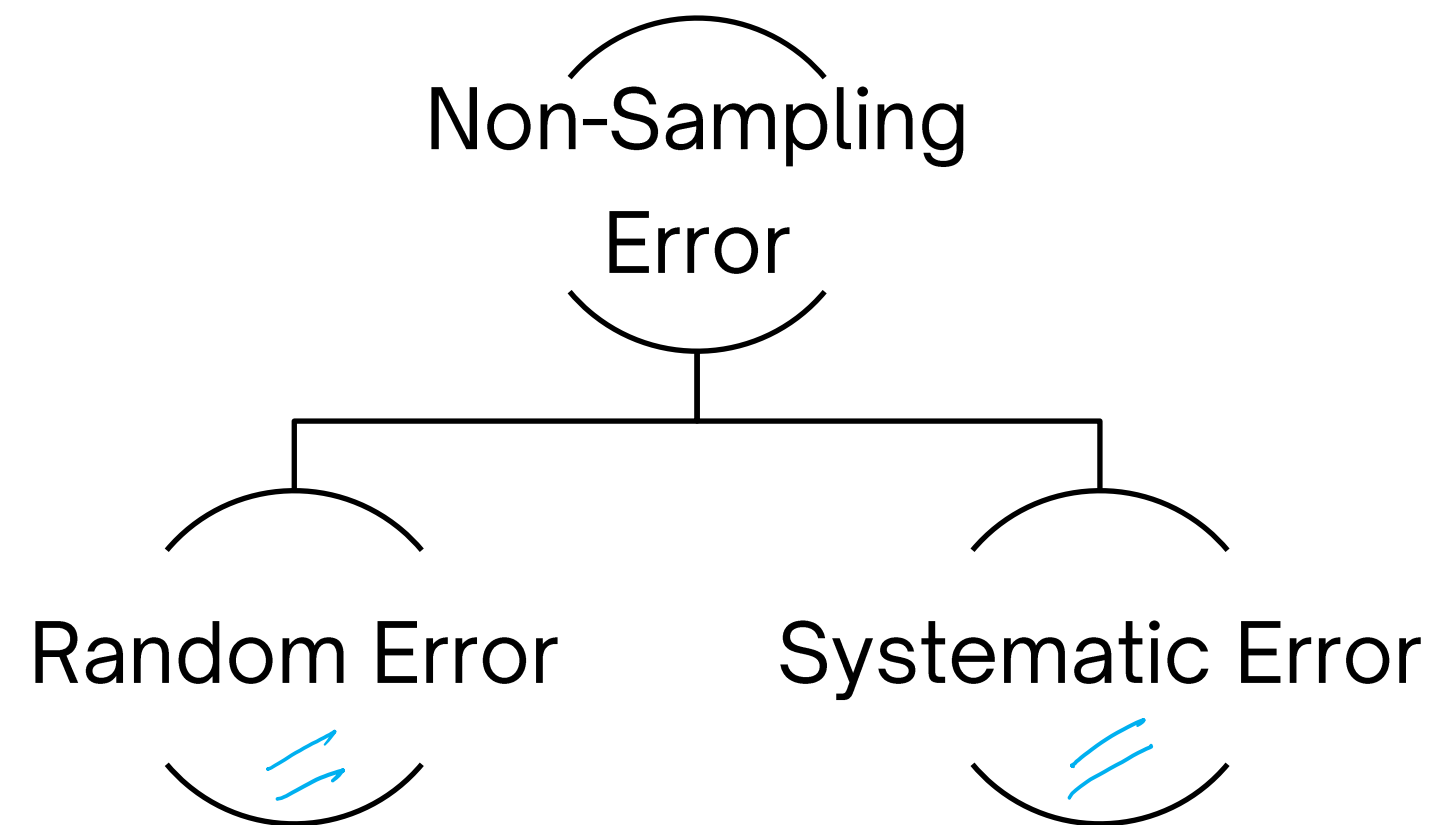
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# Non-Sampling Errors



As the name suggests that those errors that come in due to external reasons.

It refers to any deviation between survey results & truth which are not a result of random selection of observations..

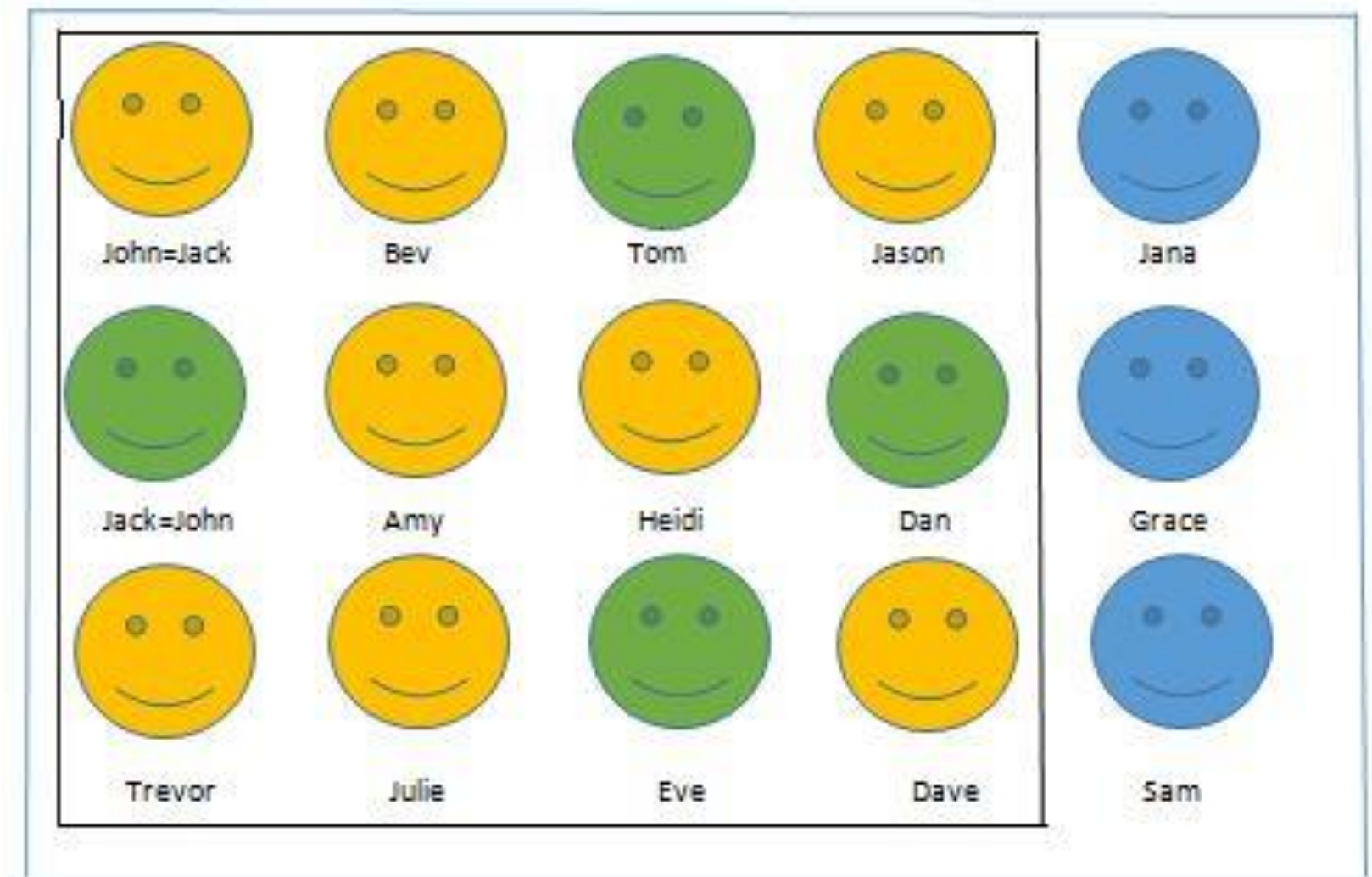


Source:  
[www.corporatefinanceinstitute.com](http://www.corporatefinanceinstitute.com)

# Coverage Error



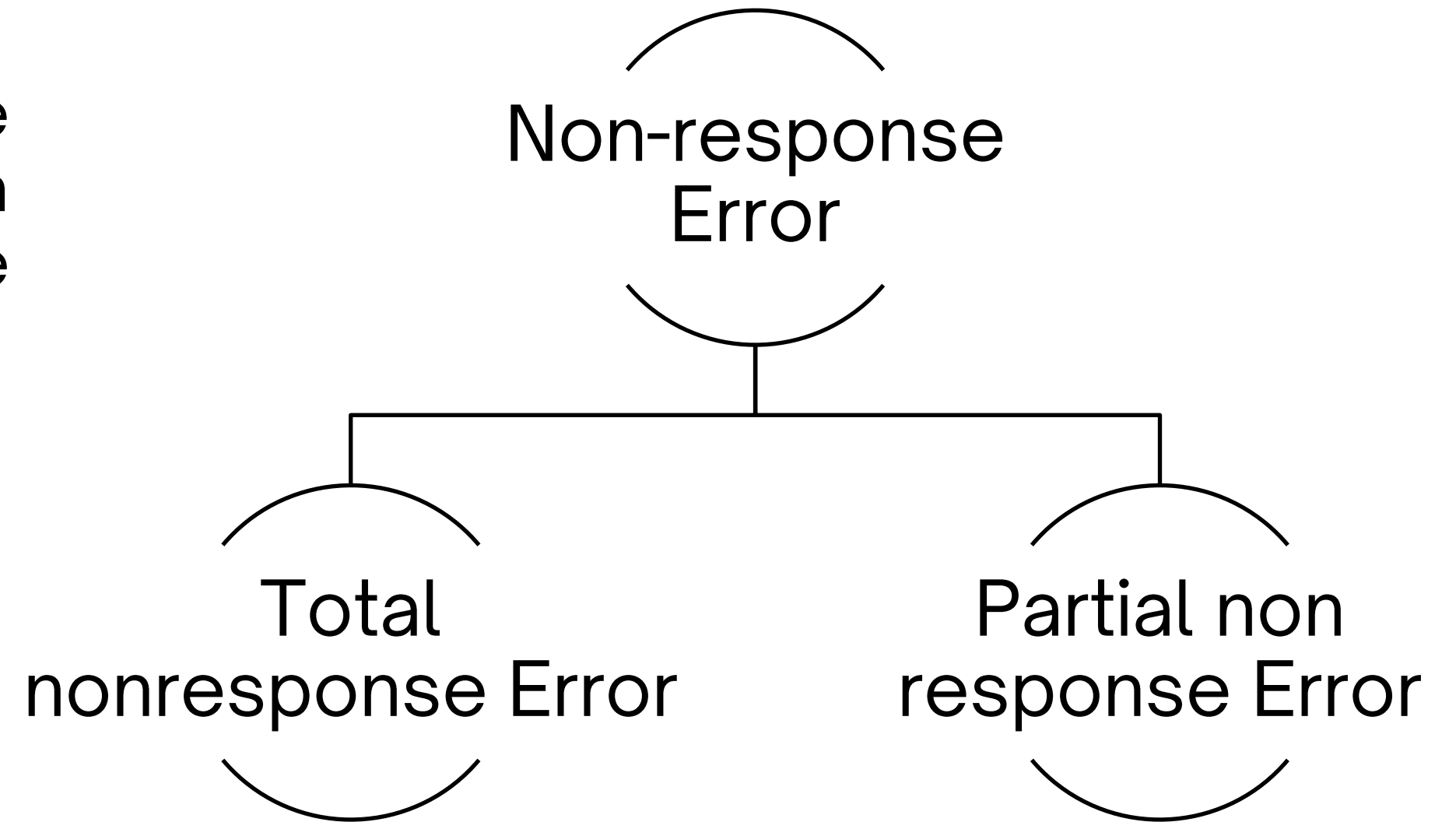
- Errors due to omissions (undercoverage), erroneous inclusions, duplications & misclassifications (overcoverage) of units in the survey frame.
- Affects every estimate produced by the survey, thus most important types of error.
- It can have both spatial & temporal dimensions & can cause bias.
- Usually due to under coverage, so it's advised to eliminate it to a large extent



# Non-response Error



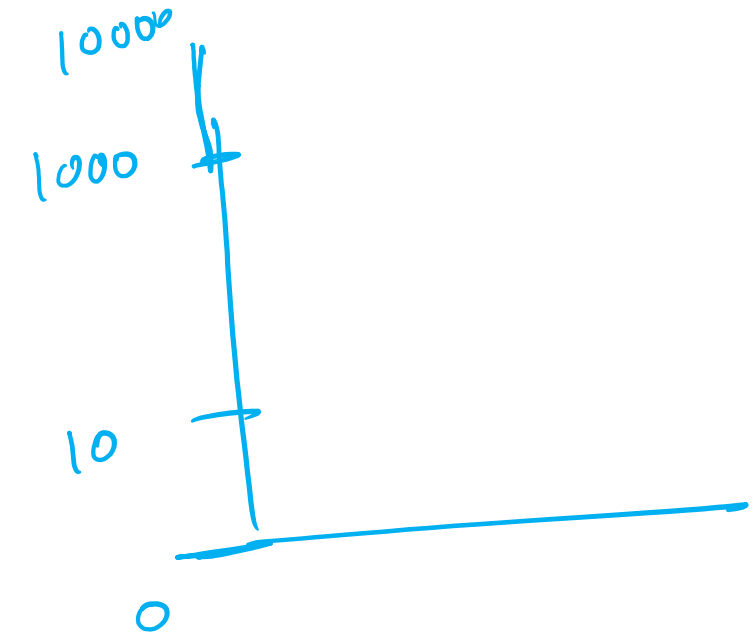
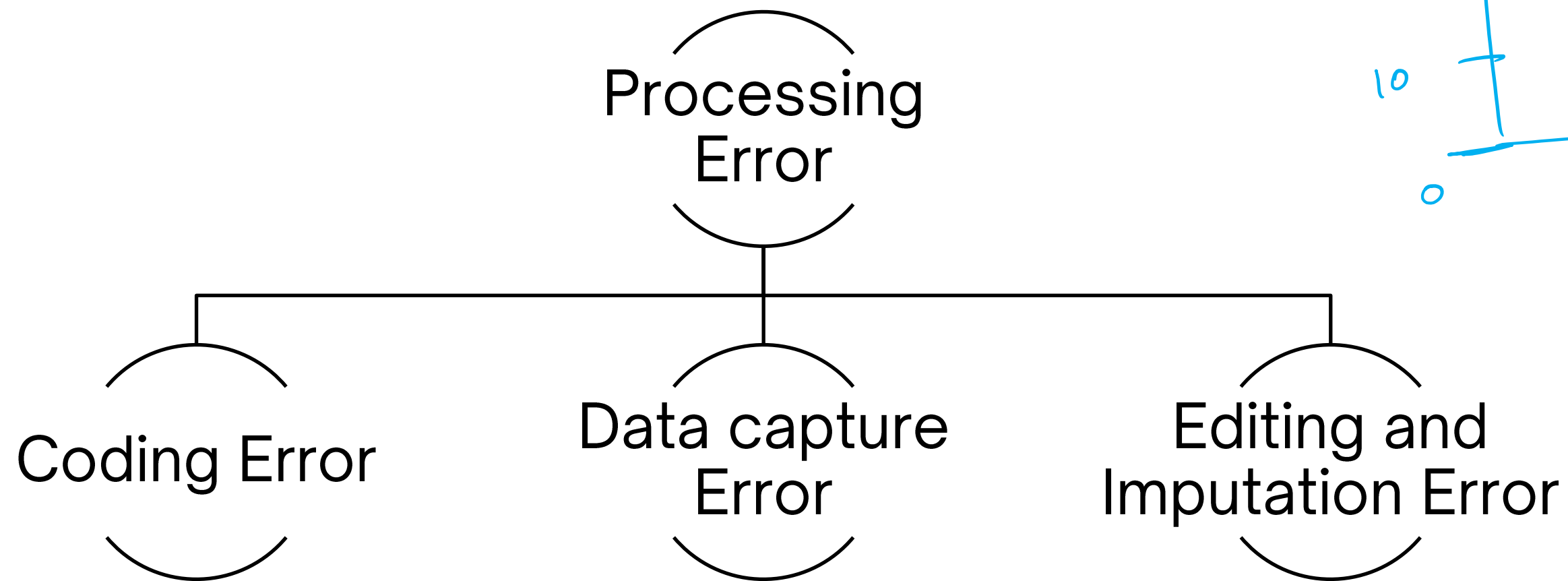
The error that occurs when the experiment or survey fails to get a response to one, or possibly all, of the questions.



# Processing Error

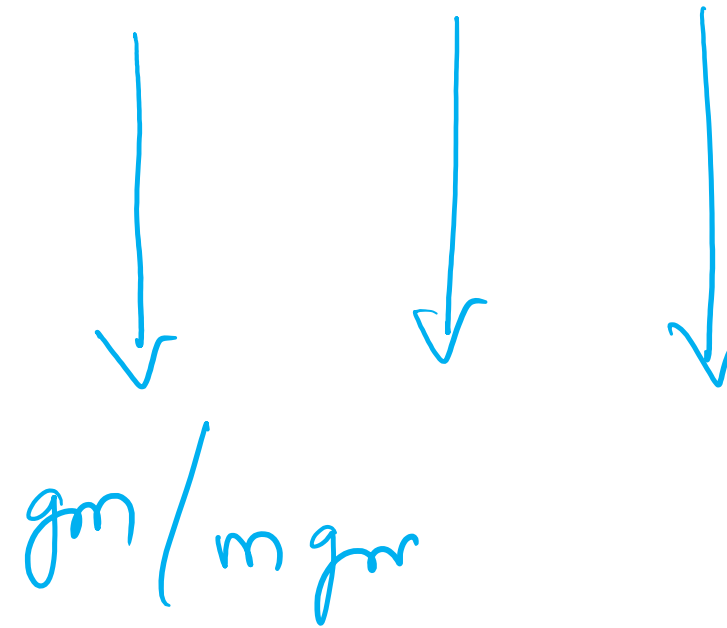


It includes all data processing activities after collection and prior to estimation, such as errors in data capture, coding, editing and tabulation of the data as well as in the assignment of survey weights.



# Non-response Error

- Failure to locate some individuals
- Errors of measurement on a unit
- Non-response bias ↙
- Careless data collection
- Errors of classification
- Data entry errors
- Inappropriate analysis
- Misrepresentation of facts
- Telescoping, reference period, etc.



**Thank you**



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