

NORTH EAST INSTITUTE OF SOCIAL SCIENCES AND RESEARCH (NEISSR)
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One day program on Parametric and Non-Parametric test under Research Methodology was conducted on 16th May 2023 with Dr. Amit Das, faculty at Diphu Medical College and Hospital, as the Resource Person. The session was attended by students of MSW 4th semester students at the NEISSR Hall.

The resource person began with the concept of parametric and importance of statistics in research. He said, in statistics, the generalizations for creating records about the mean of the original population is given by the parametric test. This test is also a kind of hypothesis test. A t-test is performed and this depends on the t-test of students, which is regularly used in this value. This is known as a parametric test.

What is a Parametric Test?

In Statistics, the generalizations for creating records about the mean of the original population is given by the parametric test. This test is also a kind of hypothesis test. A t-test is performed and this depends on the t-test of students, which is regularly used in this value. This is known as a parametric test.

Non-Parametric Test?

Non-parametric test is a type hypothesis test that is not dependent on any underlying hypothesis. In the non-parametric test, the test depends on the value of the median. This method of testing is also known as distribution-free testing. Test values are found based on the ordinal or the nominal level. The parametric test is usually performed when the independent variables are non-metric. This is known as a non-parametric test.

Applications Of Parametric Tests

- This test is used when the given data is quantitative and continuous.
- When the data is of normal distribution then this test is used.
- The parametric tests are helpful when the data is estimated on the approximate ratio or interval scales of measurement.

Applications Of Non-Parametric Tests

- These tests are used in the case of solid mixing to study the sampling results.
- The tests are helpful when the data is estimated with different kinds of measurement scales.
- The non-parametric tests are used when the distribution of the population is unknown.
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Advantages and Disadvantages of Parametric and Non-parametric Tests

- Parametric tests help in analyzing non normal appropriations for a lot of data sets.
- Nonparametric tests when analyzed have other firm conclusions that are harder to achieve.
- A parametric test is considered when you have the mean value as your central value and the size of your data set is comparatively large. This test helps in making powerful and effective decisions.

- A non-parametric test is considered regardless of the size of the data set if the median value is better when compared to the mean value.

The session concluded with question and answer by student.

Questions Raised: Victor V Aye, Irangsa Cerai, Shalozu Kath, Ritsala S Anar, Johilo Kath

Documented by:

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Parametric and non-parametric test under Research Methodology held at NEISSR hall on 16th May, 2023. Dr. Amit Das, faculty at Diphu Medical College and Hospital, Diphu (Resource Person) with the 4th Semester MSW students, NEISSR.