

PARSHWAMATH CHARITABLE TRUST \$

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering Data Science



Semester 🔷 Subject Stadistice-for AIDS Academic Year: 2028 2024 . It one were not Intercrited not in conversion, but in revenue per pageview, the results of the above table night look like this in typical default saftware output.

Revenue/page-view with puice A = 8.87, 8D = 51.10 Revenue/page-view with price B = 4.11, 8D =62.98

SD refers to the standard deviation of the values within each group.

HYPOTHESIS TESTING:

Hypotheris teeting is a slatistical method used to determine if there is enough evidence in a sample date to draw conclusions about a population. It involves formulating two competing hypotheris,

* The null hypotherie (Ho)

* The Alternative hypotheris (H1)

NULL HYPOTHESIS (HO):

& null hypothesis is a statement in which there is no relation between two variables.

* Researchers by to rejed or disprove it.

* The testing process is always Indirect and Implicat.

* Will hypotheris is rejected if the p-value is less than the alpha-value, otherwise it is rejected.

Subject Incharge: Prof. Sarala Mary Page No. 2

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Subject Statistics for AIDS

Academic Year: 2023-2029

* It is denoted by Ho.

* The symbol used are (=, >=, <=) Equality

ALTERNATIVE HYPOTHESIS

* An alternative hypotheris is a statement in which there is some statistical relationship between the troo variables.

* Researchers always try to accept or prove it.

* The testing process is always direct and

explicit

p-value is less than the alpha-value ofherwise, it is sujected.

* It is denoted by H1.

* The exploi used are Inequality (!= ><,>).

A researcher wants to know if the height of students Example:at school differs from the national average of 5.5 feet State null and alternate hypotheris.

Here, researchers are interested in determining whether the heights of students is either less than or greater than the national average height.

Null Hypotheris Ho = 5.5 feet, Alternale Hypotheris + 5.5 feet

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