It measures have a model company to the DEGREES OF FREEDOM:

While estimating a mean score (00) a Proportion ofrom a single sample, the number of independent observations is aqual to the sample size mênus one.

WHY t-SCORE WORKS ON DEGREES OF FREEDOM? A sample t-test determines whether the difference between the sample mean and the rull hypothesis value is statistically stgnaficant.

the rample and the number of vertables

-> this is because, the degrees of freedom are so closely related to sample size, we can see the effect of sample stze.

supressints a fat goty for the other cardaller

It measures how a model composes to the actual data observed.

The x statistic compares the size of any discrepancies between the expected results and the actual results, given the size of the sample and the number of variables in the relationship.

CHI-SQUARE TEST OF INDEPENDENCE:

It is used to determine if there is a significant relationship between the two nominal (categorical) variables.

table where each now supresents a category for one variable and each column supresents a category for the other variable

KEY TAKEAWAYS:

> x² statistic is measure of the difference between the observed and expected frequen--cles of the outcomes of a set of events or variables.

+ x² depends on the stize of the difference between actual and observed values, the degrees of freedom and the sample stize.

Theoretical distribution of frequencies.

FORMULAE:

$$\chi_c^2 = \sum \frac{(o_i - E_i)^2}{E_i}$$

where, c = Degrees of Freedom - [[C-1] {R-1] O = Observed value R = ROW E = Expected value ant amount E = Row total x column total Grand Total. vertallie. of approximation the stage of the deflicance disten actual aid elected Secret, the equia of freedom and the sample star E can be used to test whither true voidables are saluted or endependent from ene another ion to rox the decemental. etious an elseived distribution and a chestilled distribution of bucqueress. ORMOJAC - BALLERY