**NOTES**

The concept of hypothesis is A STATICAL term largely introduced by fisher Neyman in the early 20th century, in an attempt to standardize statical matrices. Explain what you understand by hypothesis testing in brief you would like to test in a data science project by yourself.

Hypothesis is an educated guess

**Assignment**

**What statistical hypothesis test can be applied to two samples of categorical data with the same categories to determine if the frequency distributions are significantly different?**

Steps for science project step

1. Find the problem or understand the problem (understand the problem deeper)
2. Acquire data from the source problem (the type of data)
3. Clean the data (the use of Jupyter)
4. Hypothesis the data (find the solution) (by using mean and so on)
5. Act on the problem

**Null hypothesis**

Is the statement or claim being made (which we are trying to disprove)

**Alternative hypothesis**

Is the hypothesis that we are trying to prove and which is accepted if we have sufficient evidence to reject the null hypothesis.

For example, consider a person in court who is charged with murder. The jury needs to decide whether the person in innocent (the null hypothesis) or guilty (the alternative hypothesis). As usual, we assume the person is innocent unless the jury can provide sufficient evidence that the person is guilty. Similarly, we assume that

H0 is true unless we can provide sufficient evidence that it is false and that

H1 is true, in which case we reject H0 and accept H1.

Type 1 error is where you reject a true null hypothesis

Type 2 error is where you accept false null hypothesis

**Example**

Drug “Covidex”

Treat “Covid-19”

Sample “2000”

The 5% is the probability of representing the true significant level

P-value> Ω = 0.05

P-value > Ω = 0.05 (We failed to reject the null hypothesis)

Questions

At point do the null hypothesis results make value