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ANALYSIS REPORT



ANALYTIC REPORT ON AIRTEL INDIA'S FASTEST NETWORK

INTRODUCTION

This report is about the India based networking company called **AIRTEL**. They claim that they are the India's fastest network. Here as a data analyst we try to prove that Airtel is the fastest network statistically with help of number sad datas.

METHOD'S TO FIND THE FASTEST NETWORK AMONG OTHER NETWORKS

As a data analyst one of the easier method to find is the hypothesis testing

In this hypothesis testing as a data analyst we collect datas from other rival companies like **jio,vi,BSNL etc**, with those datas we perform the test .

Hypothesis testing is a form of statistical inference that uses data from a sample to draw conclusions about a population parameter or a population probability distribution. First, a tentative assumption is made about the parameter or distribution. This assumption is called the null hypothesis and is denoted by H_0 .

There are various steps followed

STEP-1

With the help of the data collected we assume the X and Y

X - network speed

Y - Various regions datas

STEP-2

In this step we set the confidence level and the value of alpha

STEP-3

According to datas we select the test needed to be performed

STEP-4

We frame the hypothesis according to data(ie) H_0 and H_1

STEP-5

The test is performed

STEP-6

The value of P is found from the test results

If P value is higher than ALPHA hypothesis is accepted if the P value is less than ALPHA then it is rejected

STEP-7

The value of P is compared with ALPHA

STEP-8

If the p value is higher than the alpha then we accept the null value or else we reject the null value

STEP-9

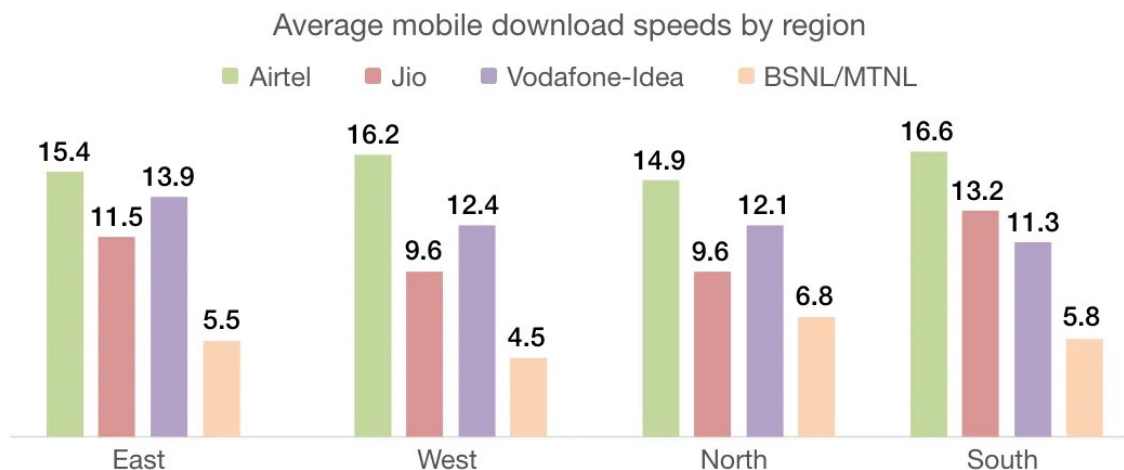
With the help of this test we come to a conclusion

If the null value is accepted then there is some difference

If null value is rejected there is no difference



Airtel recorded the fastest average download speed across all regions



Company	Speed score
Airtel	9.05
Vodafone	8.02
Idea	7.52
Jio	7.34

CONCLUSION

With this I conclude by saying that the hypothesis testing is used to prove a set of data can be analysed statistically and proven

In this scenario the speed of the network data is collected from different regions and analysed using this test and the difference is proven, with the help of various samples we can come to conclusion for the whole of the country this the advantage of the hypothesis test . Not only networking other divisions can also be analysed . Hence the claim done by the Airtel is true and it is proven