

# Modular Approach on Big Data

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## INTRODUCTION

Modular approach is a technique by which we can break a task into smaller fragments to gain speed with readability. So in this project i made an algorithm which works on the big data for example data of  $2 \times 10^8$ .

## HYPOTHESIS

This algorithm works on the basis of best fit limit of the data and returns a variable n which is the total number of fragments shall be created.

## MATERIALS

1. Total limit of the data or variable “n”

## PROCEDURE

1. Find number of rows and assume it as the total limit of the data,
2. Apply the formula

If data is greater than 50000 else total number of fragments = 1.

$$F = \frac{n}{50000}$$

F means total number of fragments.

Eg: n = 100000

F = 2 means two fragments.

## RESULTS

With the result which we got from the formula shall now be equal to the parts in which we have to divide data. And further we could apply loop to do so.

## CONCLUSION

This algorithm makes the processing of data easier as compared to the operation applied to whole data. And if you are using a PC with struggles to process it so you can divide the total number of rows with such a number which is a multiple of 5 for better results.

## REFERENCES

1. Modular approach