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$$l + \frac{\left(\frac{N}{2} - m\right)}{f} \times c$$

$$\bar{X} = \frac{\sum fx}{\sum f}$$

STATISTICS

“Lack of statistics is to hide inconvenient facts.”

- Albert Bertilsson



Sir Ronald Aylmer Fisher
(AD (CE) 1890 - 1962)

Sir Ronald Aylmer Fisher was a British Statistician and Biologist. Also he was known as the Father of Modern Statistics and Experimental Design. Fisher did experimental agricultural research, which saved millions from starvation. He was awarded the Linnean Society of London's prestigious Darwin-Wallace Medal in 1958.



Learning Outcomes



- To recall different types of averages known already.
- To recall the methods of computing the Mean, Median and Mode for ungrouped data.
- To compute the Mean, Median and Mode for the grouped data.

8.1 Introduction

Statistics is the science of collecting, organising, analysing and interpreting data in order to make decisions. In everyday life, we come across a wide range of quantitative and qualitative information. These have profound impact on our lives.

Data means the facts, mostly numerical, that are gathered; statistics implies collection of data. We analyse the data to make decisions. The methods of statistics are tools to help us in this.