

## *Indian Standard*

# ANALYSIS OF VARIANCE

### FOREWORD

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 10 February 1975, after the draft finalized by the Quality Control and Industrial Statistics Sectional Committee had been approved by the Executive Committee.

**0.2** The technique of analysis of variance is an indispensable tool in the scientific and industrial research for the analysis of experimental data involving quantitative measurements and is particularly helpful when several independent sources of variation are present in the data such as the results obtained at different temperatures, duplicate determinations of the same material made by several analysts, measurements classified according to several sources of supply of raw material obtained from different vendors, etc.

### 1. SCOPE

**1.1** This standard intends to give a brief outline of the general treatment of the analysis of variance technique with respect to some of the designs.

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\*Rules for rounding off numerical values (*revised*).