

## CONTENTS

INTRODUCTION . . . . .	1
I TYPES OF MEASUREMENT . . . . .	5
II FREQUENCY . . . . .	9
III "BEST" VALUE FOR A SET OF MEASUREMENTS . . . . .	19
IV HOW TO MEASURE DISPERSION . . . . .	30
V SPECIAL TYPES OF FREQUENCY . . . . .	37
VI THE ACCURACY OF THE MEAN . . . . .	50
VII RELATED MEASUREMENTS . . . . .	58
VIII CORRELATION : THE MEASURE OF TRENDS . . . . .	74
IX ELEMENTARY IDEAS IN PROBABILITY . . . . .	99
X THE MEANING OF THE CORRELATION COEFFICIENT . . . . .	115
XI SOME MATHEMATICAL POINTS . . . . .	123
XII GAUSS'S LAW OF ERROR—I : DISTRIBUTION OF ERRORS ABOUT THE MEAN . . . . .	134
XIII GAUSS'S LAW OF ERROR—II : SOME PROPERTIES OF THE LAW . . . . .	147
XIV ELEMENTS OF QUALITY CONTROL . . . . .	156
XV THE LIMITATIONS OF NORMAL STATISTICAL ANALYSIS . . . . .	169
ANSWERS . . . . .	180
INDEX . . . . .	183