

Contents

EDITOR'S FOREWORD	v
PREFACE	vi
1. THE AIM OF THE STATISTICAL METHOD	1
2. COLLECTION OF STATISTICS: SAMPLING	13
3. COLLECTION OF STATISTICS: SELECTION	22
4. COLLECTION OF STATISTICS: FORMS OF RECORD AND INQUIRY	34
5. PRESENTATION OF STATISTICS	43
6. THE AVERAGE	61
7. THE VARIABILITY OF OBSERVATIONS	74
8. CALCULATION OF THE STANDARD DEVIATION	86
9. PROBLEMS OF SAMPLING: AVERAGES	96
10. PROBLEMS OF SAMPLING: PROPORTIONS	109
11. PROBLEMS OF SAMPLING: DIFFERENCES BETWEEN PROPORTIONS	118
12. PROBLEMS OF SAMPLING: DIFFERENCES BETWEEN AVERAGES	127
13. PROBLEMS OF SAMPLING: χ^2	137
14. FURTHER EXAMPLES AND DISCUSSION OF χ^2	145
15. CORRELATION AND REGRESSION	161
16. CALCULATION OF THE CORRELATION COEFFICIENT	173
17. STANDARDISED DEATH-RATES AND INDICES	181
18. LIFE TABLES AND SURVIVAL AFTER TREATMENT	199

CONTENTS

	ix
19. MEASURES OF MORBIDITY	214
20. CLINICAL TRIALS	220
(a) Responsibility in Investigations on Human Subjects. Statement by the Medical Research Council.	248
(b) Declaration of Helsinki of the 18th World Medical Assembly. As revised in 1975.	251
21. COMMON FALLACIES AND DIFFICULTIES	254
22. FURTHER FALLACIES AND DIFFICULTIES	265
23. FURTHER FALLACIES AND DIFFICULTIES	276
24. STATISTICAL EVIDENCE AND INFERENCE	285
SOME DEFINITIONS	297
RANDOM SAMPLING NUMBERS	302
TABLE OF t	313
TABLE OF χ^2	314
TABLES FOR WILCOXON TESTS:	
PAIRED OBSERVATIONS	315
INDEPENDENT SAMPLES	316
INDEX	319