A. D. Ball and G. D. Buckwell

Statistics A Level

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for effective revision

Presentation of Statistics

Syllabus analysis
Ensures you only do
the topics you need
– no more, no less

Start and completion column Keeps tabs on your progress – see at a glance which areas still need to be worked through

[illegible]

Self assessment
For you to note how well you've done or areas which need to be revised again

Chapter breakdown
Shows you in detail
what is covered in
the chapters

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Exam Board Addresses

**Welsh Joint Education Committee
(WJEC)**
245 Western Avenue
Cardiff
CF5 2YX

**Northern Ireland Council for the
Curriculum, Examinations and
Assessment (incorporating)
Northern Ireland Schools
Examination Council (NISEC)**
Examinations Office
Beechill House
42 Beechill Road
Belfast BT8 4RS

Syllabuses and past examination papers can be obtained from:

**The Associated Examining Board
(AEB)**
Publications Department
Stag Hill House
Guildford Surrey GU2 5XJ

**University of Cambridge Local
Examinations Syndicate (UCLES)**
Syndicate Buildings
1 Hills Road
Cambridge CB1 2EU

**Northern Examinations, and
Assessment Board
(incorporating) Joint
Matriculation Board (JMB)**
12 Harter Street
Manchester M16 1HL

**University of London
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ULEAC Publications
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Hertfordshire
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**University of Oxford Delegacy of
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Ewert House
Ewert Place
Summertown
Oxford OX2 7BZ

**Oxford and Cambridge Schools
Examination Board (O & C)**
Purbeck House
Purbeck Road
Cambridge CB2 2PU
Scottish Examination Board (SEB)
Robert Gibson & Sons (Glasgow)
Ltd
17 Fitzroy Place Glasgow G3 7SF

Introduction

Although intended for A and AS Level students following a course in statistics, first year or university students who are either meeting statistics for the first time or who require a refresher course, would find that this book contains useful support material.

How to Use this Book

The topics included in *Work Out Statistics A-Level* cover the syllabuses of all examining boards at A-Level in the subject. In particular, your attention is drawn to chapter 15 which has been included to cover those areas which are examined but are often not contained in textbooks. The chapter headings follow the systematic order offered by most contemporary textbooks. Most topics contain worked solutions of past paper questions from examining boards. As different boards and papers take the subject to varying levels, so some topic areas will prove to be quite difficult. Such topics and worked examples have been marked with an asterisk (*) and you need not work through these sections if they are not given particular emphasis on your syllabus.

Revision

The course you are following will normally be a subset of the contents of this book. It is therefore important to know your syllabus. (Syllabuses and past papers can be obtained from the examination boards listed on pp. ix–x). Once you have eliminated the chapters/topics which you do not require, revise a topic at a time trying the appropriate worked examples and then comparing your answer with the worked solution. The exercises at the end of each chapter have been carefully chosen to cover fully the subject area in that chapter, so try to answer as many of these as possible before referring to the answers at the back of the book. Included in the answer section are some hints on the solution of each exercise; these should help you to understand where you are going wrong if your answer is different from the one given by the authors.

Most numerical solutions in this book have been worked using four-figure accuracy. Slight numerical differences may exist between your answers if you have worked to a higher degree of accuracy. However, the authors feel that for examination questions which are to take less than 30 minutes each, a higher degree of accuracy is time consuming and unnecessary for the purpose of solving the problem.

It is important that you should familiarise yourself with the statistical tables that you are to use during the examination as they may vary from one examination board to another.

Remember to start your revision in good time and use this book as a positive aid to the active and thorough knowledge of your statistics course.

Macmillan Work Out Series

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