Nonparametric Tests for Complete Data

Description: This book concerns testing hypotheses in non-parametric models. Classical non-parametric tests (goodness-of-fit, homogeneity, randomness, independence) of complete data are considered. Most of the test results are proved and real applications are illustrated using examples. Theories and exercises are provided. The incorrect use of many tests applying most statistical software is highlighted and discussed.

Contents:

Preface xi
Terms and Notation xv
Chapter 1. Introduction 1
1.1. Statistical hypotheses 1
1.2. Examples of hypotheses in non-parametric models 2
1.3. Statistical tests 5
1.4. P-value 7
1.5. Continuity correction 10
1.6. Asymptotic relative efficiency 13
Chapter 2. Chi-squared Tests 17
2.1. Introduction 17
2.2. Pearson's goodness-of-fit test: simple hypothesis 17
2.3. Pearson's goodness-of-fit test: composite hypothesis 26
2.4. Modified chi-squared test for composite hypotheses 34
2.5. Chi-squared test for independence 52
2.6. Chi-squared test for homogeneity 57
2.7. Bibliographic notes 64
2.8. Exercises 64
2.9. Answers 72
Chapter 3. Goodness-of-fit Tests Based on Empirical Processes 77
3.1. Test statistics based on the empirical process 77
3.2. Kolmogorov-Smirnov test 82
3.3. $\chi^2$, Cramér-von-Mises and Andersen Darling tests 86
3.4. Modifications of Kolmogorov-Smirnov, Cramér-von-Mises and Andersen Darling tests: composite hypotheses 91
Ordering:  
Order Online - [http://www.researchandmarkets.com/reports/2179220/](http://www.researchandmarkets.com/reports/2179220/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Product Name: Nonparametric Tests for Complete Data
Web Address: http://www.researchandmarkets.com/reports/2179220/
Office Code: SCBRLU7C

Product Format
Please select the product format and quantity you require:

Quantity
Hard Copy (Hard Back): USD 146 + USD 29 Shipping/Handling

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr</th>
<th>Mrs</th>
<th>Dr</th>
<th>Miss</th>
<th>Ms</th>
<th>Prof</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Email Address: | | | | | | *
| Job Title: | | | | | | |
| Organisation: | | | | | | |
| Address: | | | | | | |
| City: | | | | | | |
| Postal / Zip Code: | | | | | | |
| Country: | | | | | | |
| Phone Number: | | | | | | |
| Fax Number: | | | | | | |

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account number</td>
<td>833 130 83</td>
</tr>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World