

## Appendix M

### First occurrence of some commonly used terms in probability and statistics

This appendix lists the first occurrence in print of some selected terms defined in this dictionary. For further details and the first occurrence of some other commonly used terms in probability and statistics, the reader is referred to the papers H. A. David given in the footnote to the following table and references cited therein.

Term	Author(s)	Year
additivity (in ANOVA)	Eisenhart, C.	1947
alias	Finney, D. J.	1945
alternative hypothesis	Neyman, J., and Pearson, E. S.	1933
analysis of covariance	Bailey, A. L.	1931
analysis of variance	Fisher, R. A.	1918
association	Yule, G. U.	1900
asymptotic efficiency	Wald, A.	1948
autocorrelation	Wold, H.	1938
autoregression	Wold, H.	1938
average sample number function	Wald, A.	1947
balanced incomplete blocks	Fisher, R. A., and Yates, F.	1938
bar chart	Brinton, W. C.	1914
Bayes' theorem	Todhunter, I.	1865
Bayes' theorem (regle de Bayes)	Cournot, A. A.	1843
bayesian	Fisher, R. A.	1950
bell-shaped curve	Galton, F.	1876
best linear unbiased estimate	David, F. N., and Neyman, J.	1938
beta distribution (distribuzione $\beta$ )	Gini, C.	1911
biased (errors)	Bowley, A. L.	1897
bimodal	Williams, S. R.	1903
binomial distribution	Yule, G. U.	1911
bioassay	Wood, H. C.	1912
biometry	Whewell, W.	1831
biostatistics	Webster's Dictionary	1890
Bonferroni inequalities	Feller, W.	1950
bootstrap	Efron, B.	1979

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Term	Author(s)	Year
box plot	Tukey, J. W.	1970
censoring	Hald, A.	1949
central limit theorem (zentraler Grenzwertsatz)	Cramér, H.	1937
central limit theorem (zentraler Grenzwertsatz)	Pólya, G.	1920
characteristic function (fonction caracteristique)	Poincare, H.	1912
characteristic function (fonction caracteristique)	Kullback, S.	1934
chi-squared ( $\chi^2$ )	Pearson, K.	1900
cluster analysis	Tryon, R. C.	1939
coefficient of correlation	Pearson, K.	1896
coefficient of variation	Pearson, K.	1896
composite hypothesis	Neyman, J., and Pearson, E. S.	1933
computer-intensive	Diaconis, P., and Efron, B.	1983
confidence coefficient	Neyman, J.	1934
confidence interval	Neyman, J.	1934
confounding	Fisher, R. A.	1926
consistency	Fisher, R. A.	1922
consistency (of a test)	Wald, A., and Wolfowitz, J.	1940
contingency table	Pearson, K.	1904
convolution	Winter, A.	1934
correlated	Galton, F.	1875
correlation	Galton, F.	1888
correlation coefficient	Pearson, K.	1896
correlogram	Wold, H.	1938
covariance	Fisher, R. A.	1930
Cramér–Rao inequality	Neyman, J., and Scott, E. L.	1948
critical region	Neyman, J., and Pearson, E. S.	1933
cumulant	Fisher, R. A., and Wishart, J.	1931
cumulative distribution function (cdf)	Wilks, S. S.	1943
decile, upper and lower	Galton, F.	1882
decision theory	Ghosh, M. N.	1952
degrees of freedom	Fisher, R. A.	1922
deviance	Nelder, J. A., and Wedderburn, R. W. M.	1972
deviate (normal)	Galton, F.	1907
discriminant function	Fisher, R. A.	1936
dispersion	Edgeworth, F. Y.	1892
distribution function, cumulative (cdf)	Wilks, S. S.	1943
distribution function	von Mises, R.	1919
distribution function (verteilungsfunktion)	Doob, J. L.	1935
double exponential (laplace)	Fisher, R. A.	1920
econometrics	Frisch, R.	1933
efficiency	Fisher, R. A.	1922
empirical bayes	Robbins, H.	1956
errors of first and second kind	Neyman, J., and Pearson, E. S.	1933
estimator	Pitman, E. J. G.	1938
exploratory data analysis	Tukey, J. W.	1970
exponential (negative exponential)	Pearson, K.	1895
exponential family	Girshick, M. A., and Savage, L. J.	1951
extreme value distribution	Lieblein, J.	1953
factor analysis	Thurstone, L. L.	1931
factorial design	Fisher, R. A.	1935

Term	Author(s)	Year
factorial moment	Steffensen, J. F.	1923
fiducial	Fisher, R. A.	1930
fixed effects	Eisenhart, C.	1947
fixed model	Scheffé, H.	1946
fractional replication	Finney, D. J.	1945
game theory	Williams, J. D.	1954
gamma distribution	Weatherburn, C. E.	1946
Gauss–Markov theorem	Scheffe, H.	1959
geometric distribution	Feller, W.	1950
goodness of fit	Pearson, K.	1900
Graeco–Latin square	Fisher, R. A., and Yates, F.	1934
hazard rate	Barlow, R. E., Marshall, A. W., and Proschan, F.	1963
heteroscedastic	Pearson, K.	1905
heteroskedastic	Valavanis, S.	1959
hierarchical bayes	Good, I. J.	1980
histogram	Pearson, K.	1895
homoscedastic	Pearson, K.	1905
homoskedastic	Valavanis, S.	1959
Hotelling's $T^2$	Simaika, J. B.	1941
index number	Jevons, W. S.	1875
interaction	Fisher, R. A.	1926
interquartile range	Galton, F.	1882
interval estimation	Mood, A. M.	1950
jackknife	Miller, R. G.	1964
j-shaped	Yule, G. U.	1911
kurtosis	Pearson, K.	1905
Latin square (carré Latin)	Euler, L.	1782
Latin square (carré Latin)	Cayley, A.	1890
lattice (design)	Yates, F.	1937
law of large numbers (la loi des grands nombres)	Poisson, S. D.	1835
level of significance	Fisher, R. A.	1925
likelihood ratio	Neyman, J., and Pearson, E. S.	1931
linear model, generalized	Nelder, J. A., and Wedderburn, R. W. M.	1972
linear model	Anderson, R. L., and Bancroft, T. A.	1952
linear programming	Dantzig, G. B.	1949
location	Fisher, R. A.	1922
location parameter	Pitman, E. J. G.	1938
logit	Berkson, J.	1944
log–linear model	Bishop, Y. M. M., and Fienberg, S. E.	1969
lognormal distribution	Gaddum, J. H.	1945
Markov chain	Doob, J. L.	1942
Markov chain (chaines de Markoff)	Doebelin, W.	1937
maximum likelihood	Fisher, R. A.	1922
mean square (of errors)	Edgeworth, F. Y.	1885
median	Galton, F.	1882
median (valeur mediane)	Cournot, A. A.	1843
median absolute deviation	Andrews, D. F., Bickel, P. J., Hampel, F. R., Huber, P. J., Rogers, W. H., and Tukey, J. W.	1972

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Term	Author(s)	Year
median-unbiased	Brown, G. W.	1947
meta-analysis	Glass, G. V.	1976
method of maximum likelihood	Fisher, R. A.	1922
method of moments	Pearson, K.	1902
method of least squares (méthode des moindres quarrés)	Legendre, A. M.	1805
method of least squares (méthode des moindres quarrés)	Ivory, J.	1825
minimax (solution, strategy)	Wald, A.	1947
minimum chi-squared	Fisher, R. A.	1928
mixed model	Mood, A. M.	1950
mode	Pearson, K.	1895
Model I, II (in ANOVA)	Eisenhart, C.	1947
model, linear	Anderson, R. L., and Bancroft, T. A.	1952
model, mixed	Mood, A. M.	1950
model, random effects	Scheffé, H.	1956
model, components of variance	Mood, A. M.	1950
moment	Pearson, K.	1893
moment generating function	Craig, C. C.	1936
Monte Carlo methods	von Neumann, J., and Ulam, S. M.	1940
moving average	Yule, G. U.	1921
multiple comparisons	Duncan, D. B.	1951
multiple correlation coefficient	Pearson, K.	1914
negative binomial distribution	Greenwood, M., and Yule, G. U.	1920
noncentral	Fisher, R. A.	1928
nonparametric	Wolfowitz, J.	1942
normal (distribution)	Galton, F.	1889
normal score	Fisher, R. A., and Yates, F.	1938
nuisance parameter	Hotelling, H.	1940
null hypothesis	Fisher, R. A.	1935
odds ratio	Gart, J. J.	1962
order statistic	Wilks, S. S.	1942
<i>p</i> value	Deming, W. E.	1943
parameter	Czuber, E.	1914
parameter	Fisher, R. A.	1922
Pareto distribution	Pigou, A. C.	1920
partial correlation	Yule, G. U.	1907
partial regression	Yule, G. U.	1897
percentile	Galton, F.	1885
permutation test	Box, G. E. P., and Andersen, S. L.	1955
pie chart	Haskell, A. C.	1922
point estimation	Wilks, S. S.	1943
Poisson distribution (essentially)	Soper, H. E.	1914
posterior probability	Wrinch, D., and Jeffreys, H.	1921
power function	Neyman, J., and Pearson, E. S.	1936
power (of a test)	Neyman, J., and Pearson, E. S.	1933
principal components	Hotelling, H.	1933
prior probability	Wrinch, D., and Jeffreys, H.	1921
probability density	von Mises, R.	1919
probability density function	Wilks, S. S.	1943

Term	Author(s)	Year
probability function	Aitken, A. C.	1939
probability generating function	Seal, H. L.	1949
probability paper	Hazen, A.	1914
probit analysis	Finney, D. J.	1944
product-limit estimate	Kaplan, E. L., and Meier, P.	1958
quantile	Kendall, M. G.	1940
quartile, upper and lower	Galton, F.	1882
random effects	Eisenhart, C.	1947
random model	Scheffé, H.	1956
random sampling	Pearson, K.	1900
random variable	Winter, A.	1934
random variable (variabile casuale)	Cantelli, F. P.	1916
random walk	Pearson, K.	1905
randomization	Fisher, R. A.	1926
randomization test	Box, G. E. P., and Andersen, S. L.	1955
randomized blocks	Fisher, R. A.	1926
randomized response	Warner, S. L.	1965
range	Lloyd, H.	1848
regression	Galton, F.	1897
regression, partial	Yule, G. U.	1979
resampling	Efron, B.	1979
response surface	Box, G. E. P., and Wilson, K. B.	1951
ridge regression	Hoerl, A. E., and Kennard, R. W.	1970
robustness	Box, G. E. P.	1953
sampling distribution	Fisher, R. A.	1928
scale parameter	Pitman, E. J. G.	1938
scatter-plot	Kurtz, A. K., and Edgerton, H. A.	1939
sequential analysis	Wald, A.	1945
serial correlation	Yule, G. U.	1926
Sheppard's corrections	Pearson, K.	1901
sign test	Stewart, W. M.	1941
significance, level of	Fisher, R. A.	1925
simple hypothesis	Neyman, J., and Pearson, E. S.	1933
simple random sampling	Cochran, W. G.	1953
skewness	Pearson, K.	1895
split plot	Yates, F.	1935
standard deviation ( $\sigma$ )	Pearson, K.	1894
standard error	Yule, G. U.	1897
statistic	Fisher, R. A.	1922
statistics	Hooper, W.	1770
stem-and-leaf displays	Tukey, J. W.	1972
Student's $t$ (essentially)	Fisher, R. A.	1924
studentized range	Pearson, E. S., and Hartley, H. O.	1943
subjective probability	Keynes, J. M.	1921
sufficient statistic	Fisher, R. A.	1925
survival function	Kaplan, E. L., and Meier, P.	1958
test of hypothesis	Neyman, J., and Pearson, E. S.	1928
test of significance	Fisher, R. A.	1925
time series	Persons, W. M.	1919
tolerance limits (statistical)	Wilks, S. S.	1941

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Term	Author(s)	Year
treatment effect	Wilks, S. S.	1943
trend	Hooker, R. H.	1901
type I and type II errors	Neyman, J., and Pearson, E. S.	1933
uniform distribution	Uspensky, J. V.	1937
uniformly most powerful test	Neyman, J., and Pearson, E. S.	1936
unimodal	De Helguero, F.	1904
U shaped	Yule, G. U.	1911
variance	Fisher, R. A.	1918
variance components	Daniels, H. E.	1939
varitate	Fisher, R. A.	1925
Weibull distribution	Lieblein, J.	1955
Yates' correction for continuity	Fisher, R. A.	1936
Youden square	Fisher, R. A.	1938
z distribution	Fisher, R. A.	1924
zero-sum game	Von Neumann, J., and Morgenstern, O.	1944

Adapted from H. A. David (1995), "First (?) Occurrence of Common Terms in Mathematical Statistics," *The American Statistician*, Vol. 49, No. 2, pp. 121–133, and H. A. David (1998), "First (?) occurrence of Common Terms in Probability and Statistics," *The American Statistician*, Vol. 52, No. 1, pp. 36–40. With permission.

# Appendix N

## A selected bibliography for further reading

Readers who wish to obtain additional information about the entries defined in this dictionary have hundreds and thousands of other works from which to choose. In this appendix, we provide a selected list of books and references that are representative of dozens of other publications available on a particular topic of interest. The books are grouped into a number of categories covering all important areas of statistical theory and methodology:

1. General Statistics	2. Applied Statistics and Data Analysis	3. Exploratory and Graphical Data Analysis
4. Agricultural and Biological Statistics	5. Business Statistics	6. Chemical and Physical Sciences and Engineering Statistics
7. Economic Statistics and Econometrics	8. Medical and Health Statistics	9. Statistics in Ecology and Environmental Sciences
10. Statistics for Social and Behavioral Sciences	11. Statistical Methods	12. Mathematical Statistics/Statistical Theory
13. Advanced Statistical Theory	14. Probability Theory	15. Statistical Distributions
16. Categorical Data and Contingency Table Analysis	17. Linear Statistical Models	18. Nonparametric Regression and Generalized Linear Models
19. Regression Analysis	20. Nonlinear Regression	21. Log-Linear Models and Logistic Regression
22. Analysis of Variance	23. Design and Analysis of Experiments	24. Response Surface Methodology
25. Repeated Measures Analysis	26. Nonparametric Statistics	27. Sampling and Sample Surveys
28. Time Series Analysis and Forecasting	29. Multivariate Statistical Analysis	30. Stochastic Processes
31. Monte Carlo Methods and Simulation	32. Resampling Methods: Jackknife and Bootstrap	33. Statistical Quality Control and Related Methods
34. Statistical Reliability	35. Bayesian Statistics	36. Clinical Trials
37. Epidemiologic Methods	38. Statistical Epidemiology	39. Kaplan-Meier Method and Survival Analysis
40. Meta-Analysis and Other Methods for Quantitative Synthesis	41. Structural Equation Modeling	42. Statistical Consulting and Training
43. Statistical Computing	44. Statistical Software Packages	45. Probability and Statistics Literacy

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46. Probability and Statistics for Lay Readers	47. Handbooks and Encyclopedias	48. Calculus, Matrix Algebra, and Numerical Analysis Useful in Statistics
49. Statistical Tables	50. Dictionaries, Quotations, and Other References	51. History of Statistics/Probability and Leading Personalities

### 1. General Statistics

- Aczel, A. D. (1995). *Statistics: Concepts and Applications*. Irwin, Burr Ridge, Illinois.
- Frank, H., and Althon, S. C. (1994). *Statistics: Concepts and Applications*. Cambridge University Press, New York.
- Freedman, D., Pisani, R., Purves, R., and Adhikari, A. (1997). *Statistics*, 3rd ed. Norton, New York.
- Mann, P. S. (2001). *Introductory Statistics*, 4th ed. John Wiley, New York.
- Moore, D. S., and McCabe, G. P. (1998). *Introduction to the Practice of Statistics*, 3rd ed. W. H. Freeman, New York.

### 2. Applied Statistics and Data Analysis

- Cox, D. R., and Snell, E. J. (1981). *Applied Statistics: Principles and Examples*. Chapman & Hall, London.
- Hamilton, L. C. (1990). *Modern Data Analysis: A First Course in Applied Statistics*. Duxbury Press, Belmont, California.
- Iman, R. L. (1994). *A Data-Based Approach to Statistics*. Duxbury Press, Belmont, California.
- Sprent, P. (1998). *Data Driven Statistical Models*. Chapman & Hall, London.
- Yandell, B. S. (1997). *Practical Data Analysis and Designed Experiments*. Chapman & Hall, London.

### 3. Exploratory and Graphical Data Analysis

- Basford, K. E., and Tukey, J. W. (1999). *Graphical Analysis of Multiresponse Data*. CRC Press, Boca Raton, Florida.
- Chambers, J. M., Cleveland, W. S., Kleiner, B., and Tukey, P. A. (1983). *Graphical Methods for Data Analysis*. Wadsworth, Pacific Grove, California.
- Jacoby, W. G. (1998). *Statistical Graphs for Visualizing Multivariate Data*. Sage, Thousand Oaks, California.
- Tukey, J. W. (1977). *Exploratory Data Analysis*. Addison-Wesley, Reading, Massachusetts.
- Velleman, P. F., and Hoaglin, D. C. (1981). *Applications, Basics and Computing of Exploratory Data Analysis*. Duxbury Press, Boston.

### 4. Agricultural and Biological Statistics

- Mead, R., Curnow, R. N., and Hasted, A. M. (1993). *Statistical Models in Agriculture and Experimental Biology*, 2nd ed. Chapman & Hall, London.
- Petersen, R. G. (1994). *Agricultural Field Experiments: Design and Analysis*. Marcel Dekker, New York.
- Watt, T. A. (1997). *Introductory Statistics for Biology Students*, 2nd ed. Chapman & Hall/CRC, Boca Raton, Florida.
- Williams, B. G. (1993). *Biostatistics: Concepts and Applications for Biologists*. Chapman & Hall, London.
- Zar, J. H. (1999). *Biostatistical Analysis*, 4th ed. Prentice-Hall, Upper Saddle River, New Jersey.

**5. Business Statistics**

- Berenson, M. L., and Levine, D. M. (1996). *Basic Business Statistics: Concepts and Applications*, 6th ed. Prentice-Hall, Englewood Cliffs, New Jersey.
- Foster, D. P., Stine, R. A., and Waterman, R. P. (1998). *Business Analysis Using Regression: A Casebook*. Springer-Verlag, New York.
- Letchford, S. (1994). *Statistics for Accountants*. Chapman & Hall, London.
- Mendenhall, W., Beaver, R. J., and Beaver, B. M. (1996). *A Course in Business Statistics*, 4th ed. Duxbury Press, Belmont, California.
- Siegel, A. F. (2000). *Practical Business Statistics*, 4th ed. Irwin/McGraw-Hill, Burr Ridge, Illinois.

**6. Chemical and Physical Sciences and Engineering Statistics**

- Devore, J. L., and Farnum, N. (1999). *Applied Statistics for Engineers and Scientists*. Duxbury Press, Belmont, California.
- Metcalfe, A. V. (1997). *Statistics in Civil Engineering*. Arnold, London.
- Rosenkrantz, W. A. (1997). *Introduction to Probability and Statistics for Scientists and Engineers*. McGraw-Hill, New York.
- Sincich, T., and Mendenhall, W. (1995). *Statistics for Engineering and the Sciences*, 4th ed. Prentice-Hall, Englewood Cliffs, New Jersey.
- Smith, P. J. (1998). *Into Statistics: A Guide to Understanding Statistical Concepts in Engineering and the Sciences*, 2nd ed. Springer-Verlag, New York.

**7. Economic Statistics and Econometrics**

- Baltagi, B. H. (1999). *Econometrics*, 2nd revised ed. Springer-Verlag, New York.
- Davidson, R., and MacKinnon, J. G. (1993). *Estimation and Inference in Econometrics*. Oxford University Press, New York.
- Greene, W. H. (1999). *Econometric Analysis*, 4th ed. Prentice-Hall, Englewood Cliffs, New Jersey.
- Johnston, J., and DiNardo, J. (1997). *Econometric Methods*, 4th ed. McGraw-Hill, New York.
- Mittelhammer, R. C. (1996). *Mathematical Statistics for Economics and Business*. Springer-Verlag, New York.

**8. Medical and Health Statistics**

- Altman, D. G. (2001). *Practical Statistics for Medical Research*, 2nd ed. Chapman & Hall/CRC, Boca Raton, Florida.
- Armitage, P., and Berry, G. (1994). *Statistical Methods in Medical Research*, 3rd ed. Blackwell Scientific, London.
- Dawson-Saunders, B., and Trapp, R. G. (1994). *Basic and Clinical Biostatistics*, 2nd ed. Appleton & Lange, Norwalk, Connecticut.
- Forthofer, R. N., and Lee, E. S. (1995). *Introduction to Biostatistics*. Academic Press, San Diego, California.
- Rosner, B. (2000). *Fundamentals of Biostatistics*, 5th ed. Duxbury Press, Belmont, California.

**9. Statistics in Ecology and Environmental Sciences**

- Gilbert, R. O. (1987). *Statistical Methods for Environmental Pollution Monitoring*. Van Nostrand Reinhold, New York.
- Manly, B. F. J. (2000). *Statistics for Environmental Science and Management*. Chapman & Hall/CRC, Boca Raton, Florida.

- Millard, S. P., and Neerchal, N. K. (2000). *Environmental Statistics with S-Plus*. CRC Press, Boca Raton, Florida.
- Ott, W. R. (1995). *Environmental Statistics and Data Analysis*. CRC Press, Boca Raton, Florida.
- Pearson, J. C. G., and Turton, A. (1993). *Statistical Methods in Environmental Health*. Chapman & Hall, London.

#### 10. Statistics for Social and Behavioral Sciences

- Howell, D. C. (1999). *Fundamental Statistics for the Behavioral Sciences with CD Rom*, 4th ed. Duxbury Press, Belmont, California.
- Hutcheson, G. D., and Sofroniou, N. (1999). *The Multivariate Social Statistics: Introductory Statistics Using Generalized Linear Models*. Sage, Thousand Oaks, California.
- Lockhart, R. S. (1998). *Introduction to Statistics and Data Analysis for the Behavioral Sciences*. Freeman, New York.
- Lomax, R. G. (1998). *Statistical Concepts: A Second Course for Education and the Behavioral Sciences*. Laurence-Erlbaum, Mahwah, New Jersey.
- Ott, R. L., Larson, R. F., Rexroat, C., and Mendenhall, W. (1992). *Statistics: A Tool for the Social Sciences*, 5th ed. Duxbury Press, Belmont, California.

#### 11. Statistical Methods

- Freund, R. J., and Wilson, W. J. (1996). *Statistical Methods*, revised ed. Academic Press, New York.
- Ott, R. L. (1993). *An Introduction to Statistical Methods and Data Analysis*, 4th ed. Duxbury Press, Belmont, California.
- Rustagi, J. S. (1991). *Introduction to Statistical Methods*, Vols. I and II. Rowman & Allanheld, Totowa, New Jersey.
- Snedecor, G. W., and Cochran, W. G. (1989). *Statistical Methods*, 8th ed. Iowa State University Press, Ames, Iowa.
- Steel, G. D., Torrie, J. H., and Dickey, D. A. (1997). *Principles and Procedures of Statistics: A Biometrical Introduction*, 3rd ed. McGraw-Hill, New York.

#### 12. Mathematical Statistics/Statistical Theory

- Hogg, R. V., and Craig, A. T. (1995). *Introduction to Mathematical Statistics*, 5th ed. Prentice-Hall, Englewood Cliffs, New Jersey.
- Lindgren, B. W. (1993). *Statistical Theory*, 4th ed. Chapman & Hall, New York.
- Mendenhall, W., Wackerly, D. D., and Scheaffer, R. L. (2001). *Mathematical Statistics with Applications*, 6th ed. Duxbury Press, Boston.
- Mood, A. M., Graybill, F. A., and Boes, D. C. (1974). *Introduction to the Theory of Statistics*. McGraw-Hill, New York.
- Rice, J. A. (1995). *Mathematical Statistics and Data Analysis*, 2nd ed. Duxbury Press, Boston.

#### 13. Advanced Statistical Theory

- Cox, D. R., and Hinkley, D. V. (1974). *Theoretical Statistics*. Chapman & Hall, London. (Softbound edition, 1986.)
- Lehmann, E. L. (1997). *Testing Statistical Hypothesis*, 2nd ed. Springer-Verlag, New York.
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- Rao, C. R. (1973). *Linear Statistical Inference and Its Applications*, 2nd ed. John Wiley, New York.

Stuart, A., and Ord, K. (1991, 1994). *Kendall's Advanced Theory of Statistics*, Vol. 1, 6th ed., Vol. 2, 5th ed. Arnold, London.

#### 14. Probability Theory

- Feller, W. (1968). *An Introduction to Probability Theory and Its Applications*, Vol. 1, 3rd ed.; Vol. 2, 1966. John Wiley, New York.
- Fridett, B., and Gray, L. (1997). *A Modern Approach to Probability Theory*. Birkhäuser, Boston.
- Gut, A. (1995). *An Intermediate Course in Probability*. Springer-Verlag, New York.
- Ross, S. M. (1999). *Introduction to Probability Models*, 6th ed. Academic Press, Orlando, Florida.
- Stirzaker, D. (1999). *Probability and Random Variables*. Cambridge University Press, Cambridge, U.K.

#### 15. Statistical Distributions

- Evans, M., Hastings, N., and Peacock, B. (2000). *Statistical Distributions*, 3rd ed. John Wiley, New York.
- Johnson, N. L., Kotz, S., and Balakrishnan, N. (1994, 1995). *Continuous Univariate Distributions*, Vols. 1 and 2, 2nd ed. John Wiley, New York.
- Johnson, N. L., Kotz, S., and Balakrishnan, N. (1997). *Discrete Multivariate Distributions*, 2nd ed. John Wiley, New York.
- Johnson, N. L., Kotz, S., and Kemp, A. W. (1992). *Univariate Discrete Distributions*, 2nd ed. John Wiley, New York.
- Patel, J. K., and Read, C. B. (1996). *Handbook of the Normal Distribution*, 2nd ed. Marcel Dekker, New York.

#### 16. Categorical Data and Contingency Table Analysis

- Agresti, A. (1996). *An Introduction to Categorical Data Analysis*. John Wiley, New York.
- Andersen, E. B. (1997). *Introduction to the Statistical Analysis of Categorical Data*. Springer-Verlag, New York.
- Everitt, B. S. (1992). *The Analysis of Contingency Tables*, 2nd ed. Chapman & Hall, New York.
- Freedman, D. H., Jr. (1987). *Applied Categorical Data Analysis*. Marcel Dekker, New York.
- Lloyd, C. J. (1999). *Statistical Analysis of Categorical Data*. John Wiley, New York.

#### 17. Linear Statistical Models

- Bowerman, B. L., O'Connell, R. T., and Dickey, D. A. (1990). *Linear Statistical Models: An Applied Approach*, 2nd ed. Duxbury Press, Boston.
- Hocking, R. R. (1996). *Methods and Applications of Linear Models: Regression and the Analysis of Variance*. John Wiley, New York.
- Jorgensen, B. (1993). *The Theory of Linear Models*. Chapman & Hall, London.
- Neter, J., Kutner, M. H., Nachtsheim, C. J., and Wasserman, W. (1996). *Applied Linear Statistical Models*, 4th ed. Irwin, Burr Ridge, Illinois.
- Stapleton, J. H. (1995). *Linear Statistical Models*. John Wiley, New York.

#### 18. Nonparametric Regression and Generalized Linear Models

- Dobson, A. J. (2001). *An Introduction to Generalized Linear Models*, 2nd ed. Chapman & Hall/CRC, Boca Raton, Florida.
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