Multivariable Model-Building
WILEY SERIES IN PROBABILITY AND STATISTICS

Established by WALTER A. SHEWHART and SAMUEL S. WILKS

Editors: David J. Balding, Noel A. C. Cressie, Garrett M. Fitzmaurice, Iain M. Johnstone, Geert Molenberghs, David W. Scott, Adrian F. M. Smith, Ruey S. Tsay, Sanford Weisberg

Editors Emeriti: Vic Barnett, J. Stuart Hunter, David G. Kendall, Jozef L. Teugels

A complete list of the titles in this series appears at the end of this volume.
Multivariable Model-Building

A pragmatic approach to regression analysis based on fractional polynomials for modelling continuous variables

PATRICK ROYSTON
Cancer and Statistical Methodology Groups,
MRC Clinical Trials Unit, London, UK

WILLI SAUERBREI
Institute of Medical Biometry and Medical Informatics,
University Medical Center, Freiburg, Germany

John Wiley & Sons, Ltd