R and DATA MINING

Examples and Case Studies

Yanchang Zhao

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Academic Press is an imprint of Elsevier

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225 Wyman Street, Waltham, MA 02451, USA
32 Jamestown Road, London NW17BY, UK
Radarweg 29, PO Box 211, 1000 AE Amsterdam, The Netherlands

First edition 2013

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Library of Congress Cataloging-in-Publication Data
Application submitted

British Library Cataloguing-in-Publication Data
A catalogue record for this book is available from the British Library

ISBN: 978-0-123-96963-7

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Printed and bound in USA

13 14 15 16 10 9 8 7 6 5 4 3 2 1

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To Yanbo, Michael and Lucas for your love and encouragement

List of Abbreviations

ARIMA	Autoregressive integrated moving average
ARMA	Autoregressive moving average
AVF	Attribute value frequency
CLARA	Clustering for large applications
CRISP-DM	Cross industry standard process for data mining
DBSCAN	Density-based spatial clustering of applications with noise
DTW	Dynamic time warping
DWT	Discrete wavelet transform
GLM	Generalized linear model
IQR	Interquartile range, i.e., the range between the first and third quartiles
LOF	Local outlier factor
PAM	Partitioning around medoids
PCA	Principal component analysis
STL	Seasonal-trend decomposition based on Loess
TF-IDF	Term frequency-inverse document frequency

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