

## REFERENCES

1. Daniel Larose, *Discovering Knowledge in Data: An Introduction to Data Mining*, Wiley, Hoboken, NJ, 2005.
2. R. Bellman, *Adaptive Control Processes: A Guided Tour*, Princeton University Press, Princeton, NJ, 1961.
3. R. Kelley Pace and Ronald Berry, Sparse spatial autoregressions, *Statistics and Probability Letters*, Vol. 33, No. 3, pp. 291–297. May 5, 1997. Data set available from StatLib: <http://lib.stat.cmu.edu/datasets/houses.zip>. Also available at the book series Web site.
4. Richard A. Johnson and Dean Wichern, *Applied Multivariate Statistical Analysis*, Prentice Hall, Upper Saddle River, NJ, 1998.
5. Joseph Hair, Rolph Anderson, Ronald Tatham, and William Black, *Multivariate Data Analysis*, 4th ed., Prentice Hall, Upper Saddle River, NJ, 1995.
6. Adult data set, in C. L. Blake and C. J. Merz, UCI Repository of Machine Learning Databases, <http://www.ics.uci.edu/~mllearn/MLRepository.html>, University of California, Department of Information and Computer Science, Irvine, CA, Adult data set compiled by Ron Kohavi. Also available at the book series Web site.
7. H. F. Kaiser, A second-generation Little Jiffy, *Psychometrika*, Vol. 35, pp. 401–15, 1970.
8. H. F. Kaiser, Little Jiffy, Mark IV, *Educational and Psychological Measurement*, Vol. 34, pp. 111–117, 1974.
9. H. H. Harmon, *Modern Factor Analysis*, 2nd ed., University of Chicago Press, Chicago.
10. J. P. Robinson, P. R. Shaver, and L. S. Wrightsman, Criteria for scale selection and evaluation, in J. P. Robinson, P. R. Shaver, and L. S. Wrightsman, eds. *Measures of Personality and Social Psychological Attitudes*, Academic Press, San Diego, CA, 1991.
11. Diane Hope, Corinna Gries, Weixung Zhu, William F. Fagan, Charles L. Redman, Nancy B. Grimm, Amy L. Nelson, Chris Martin, and Ann Kinzig, Socioeconomics drive urban plant diversity, *Proceedings of the National Academy of Sciences*, Vol. 100, No. 15, pp. 8788–8792, July 22, 2003.
12. U.S. Census, Bureau, Urban area criteria for census 2000, *Federal Register*, Vol. 67, No. 51, March 15, 2002; <http://www.census.gov/geo/www/ua/uafedreg031502.pdf>.
13. Churn data set, in C. L. Blake and C. J. Merz, UCI Repository of Machine Learning Databases, <http://www.ics.uci.edu/~mllearn/MLRepository.html>, University of California, Department of Information and Computer Science, Irvine, CA, 1998. Also available at the book series Web site.



## REFERENCES

---

1. Daniel Larose, *Discovering Knowledge in Data: An Introduction to Data Mining*, Wiley, Hoboken, N. J. 2005.
2. Cereals data set, in Data and Story Library, <http://lib.stat.cmu.edu/DASL/>. Also available at the book series Web site.
3. Norman Draper and Harry Smith, *Applied Regression Analysis*, Wiley, New York, 1998.
4. California data set, U.S. Census Bureau, <http://www.census.gov/>. Also available at the book series Web site.
5. Frederick Mosteller and John Tukey, *Data Analysis and Regression*, Addison-Wesley, Reading, MA, 1977.
6. G. E. P. Box and D. R. Cox, An analysis of transformations, *Journal of the Royal Statistical Society, Series B*, Vol. 26, pp. 211–243, 1964.

## REFERENCES

---

1. Cereals data set, in Data and Story Library, <http://lib.stat.cmu.edu/DASL/>. Also available at the book series Web site.
2. Norman Draper and Harry Smith, *Applied Regression Analysis*, Wiley, New York, 1998.
3. David S. Moore and George P. McCabe, *Introduction to the Practice of Statistics*, 5th ed., W. H. Freeman, New York 2005.
4. J. Neter, W. Wasserman, and M. H. Kutner, *Applied Linear Statistical Models*, 2nd ed., Richard D. Irwin, Homewood, IL, 1985.
5. Neil A. Weiss, *Introductory Statistics*, 5th ed., Addison-Wesley, Reading, MA, 2002.
6. David G. Kleinbaum, Lawrence L. Kupper, and Keith E. Muller, *Applied Regression Analysis and Other Multivariable Methods*, 2nd ed., Brooks/Cole, Monterey, CA, 1998.
7. C. L. Mallows, Some comments on  $C_p$ , *Technometrics*, Vol. 15, pp. 661–675, 1973.



## REFERENCES

---

1. D. W. Hosmer and S. Lemeshow, *Applied Logistic Regression*, 2nd ed., Wiley, New York, 2000.
2. P. McCullagh and J. A. Nelder, *Generalized Linear Models*, 2nd ed., Chapman & Hall, London, 1989.
3. C. R. Rao, *Linear Statistical Inference and Its Application*, 2nd ed., Wiley, New York, 1973.
4. Churn data set, in C. L. Blake and C. J. Merz, UCI Repository of Machine Learning Databases, <http://www.ics.uci.edu/~mlearn/MLRepository.html>, University of California, Department of Information and Computer Science, Irvine, CA, 1998. Also available at the book series Web site.
5. Y. M. M. Bishop, S. E. Feinberg, and P. Holland, *Discrete Multivariate Analysis: Theory and Practice*, MIT Press, Cambridge, MA, 1975.
6. Adult data set, in C. L. Blake and C. J. Merz, UCI Repository of Machine Learning Databases, <http://www.ics.uci.edu/~mlearn/MLRepository.html>. University of California, Department of Information and Computer Science, Irvine, CA, 1998. *Adult* data set compiled by Ron Kohavi. Also available at the book series Web site.
7. Cereals data set, in Data and Story Library, <http://lib.stat.cmu.edu/DASL/>. Also available at the book series Web site.
8. Breast cancer data set, compiled by Dr. William H. Wohlberg, University of Wisconsin Hospitals, Madison, WI; cited in O. L. Mangasarian and W. H. Wohlberg, Cancer diagnosis via linear programming, *SIAM News*, Vol. 23, No. 5, September 1990.
9. German data set, compiled by Professor Dr. Hans Hofmann, University of Hamburg, Germany. Available from the "Datasets from UCI" site, hosted by Silicon Graphics, Inc. at <http://www.sgi.com/tech/mlc/db/>. Also available at the book series Web site.



## REFERENCES

---

1. Thomas Bayes, Essay towards solving a problem in the doctrine of chances, *Philosophical Transactions of the Royal Society of London*, 1763.
2. Tom Mitchell, *Machine Learning*, WCB-McGraw-Hill, Boston, 1997.
3. Churn data set, in C. L. Blake, and C. J. Merz, UCI Repository of Machine Learning Databases, <http://www.ics.uci.edu/~mlearn/MLRepository.html>, University of California, Department of Information and Computer Science, Irvine, CA, 1998. Also available at the book series Web site.
4. Daniel Larose, *Discovering Knowledge in Data: An Introduction to Data Mining*, Wiley, Hoboken, NJ, 2005.
5. David Hand, Heiki Mannila, and Padhraic Smyth, *Principles of Data Mining*, MIT Press, Cambridge, MA, 2001.
6. Stuart Russell, John Binder, Daphne Koller, and Keiji Kanazawa, Local learning in probabilistic networks with hidden variables, in *Proceedings of the 14th International Joint Conference on Artificial Intelligence*, pp. 1146–1152, Morgan Kaufmann, San Francisco, CA, 1995.
7. Peter Spirtes, Clark Glymour, and Richard Scheines, *Causation, Prediction, and Search*, Springer-Verlag, New York, 1993.
8. Marco Ramoni and Paola Sebastiani, Bayesian methods, in Michael Berthold and David J. Hand, ed., *Intelligent Data Analysis*, Springer-Verlag, Berlin, 1999.
9. Breast cancer data set, compiled by Dr. William H. Wohlberg, University of Wisconsin Hospitals, Madison, WI; cited in O. L. Mangasarian and W. H. Wohlberg, Cancer diagnosis via linear programming, *SIAM News*, Vol. 23, No. 5, September 1990.



## REFERENCES

---

1. John Holland, *Adaptation in Natural and Artificial Systems*, University of Michigan Press, Ann Arbor, MI; 1975; 2nd ed., MIT Press, Cambridge, MA, 1992.
2. Melanie Mitchell, *An Introduction to Genetic Algorithms*, MIT Press, Cambridge, MA, 2002; first edition, 1996.
3. Kenneth De Jong, An analysis of the behavior of a class of genetic adaptive systems, Ph.D. dissertation, University of Michigan, Ann Arbor, MI, 1975.
4. David Goldberg and Jon Richardson, Genetic algorithms with sharing for multi-modal function optimization, in J. Greffenstette, ed., *Genetic Algorithms and Their Applications: Proceedings of the 2nd International Conference on Genetic Algorithms*, Lawrence Erlbaum Associates, Hillsdale, NJ, 1987.
5. Kalyanmoy Deb and David Goldberg. An investigation of niche and species formation in genetic function optimization, in J. Greffenstette, ed., *Proceedings of the 3rd International Conference on Genetic Algorithms*, Morgan Kaufmann, San Francisco, CA, 1989.
6. Larry Eschelman, The CHC adaptive search algorithm: how to have safe search when engaging in nontraditional genetic recombination, in G. Rawlins, ed., *Foundations of Genetic Algorithms*, Morgan Kaufmann, San Francisco, CA, 1991.
7. Larry Eshelman and J. David Schaffer, Preventing premature convergence in genetic algorithms by preventing incest, in R. Belew and L. Booker, eds., *Proceedings of the 4th International Conference on Genetic Algorithms*, Morgan Kaufmann, San Francisco, CA, 1991.
8. Stephanie Forrest, Scaling fitnesses in the genetic algorithm, in Documentation for PRISONERS DILEMMA and NORMS Programs That Use the Genetic Algorithm, unpublished manuscript, 1985.
9. Randy Haupt and Sue Ellen Haupt, *Practical Genetic Algorithms*, Wiley, New York, 1998.
10. A. E. Eiben and Jim Smith, *Introduction to Evolutionary Computing*, Springer-Verlag, Berlin, 2003.
11. Tom Mitchell, *Machine Learning*, WCB-McGraw-Hill, Boston, 1997.
12. Laurene Fausett, *Fundamentals of Neural Networks*, Prentice Hall, Englewood cliffs, NJ, 1994.
13. Simon Haykin, *Neural Networks: A Comprehensive Foundation*, Prentice Hall, Englewood cliffs, NJ, 1990.
14. Daniel Larose, *Discovering Knowledge in Data: An Introduction to Data Mining*, Wiley, Hoboken, NJ, 2005.
15. Russell D. Reed and Robert J. Marks II, *Neural Smithing: Supervised Learning in Feed-forward Artificial Neural Networks*, MIT Press, Cambridge, MA, 1999.
16. Nishant Unnikrishnan, Ajay Mahajan, and Tsuchin Chu. Intelligent system modeling of a three-dimensional ultrasonic positioning system using neural networks and genetic algorithms, in *Proceedings of the Institution for Mechanical Engineers*, Vol. 217, Part I, *Journal of Systems and Control Engineering*, 2003.
17. Chin-Sheng Huang, Robert Dorsey, and Mary Ann Boose. Life insurer financial distress prediction: a neural network model, *Journal of Insurance Regulation*, Vol. 13, No. 2, Winter 1994.



18. David Montana and Lawrence Davis. Training feedforward networks using genetic algorithms, in *Proceedings of the International Joint Conference on Artificial Intelligence*, Morgan Kaufmann, San Francisco, CA, 1989.
19. Breast cancer dataset, compiled by Dr. William H. Wolberg, University of Wisconsin Hospitals, Madison, WI, obtained January 8, 1991.

## REFERENCES

---

1. Peter Chapman, Julian Clinton, Randy Kerber, Thomas Khabaza, Thomas Reinart, Colin Shearer, and Rudiger Wirth, *CRISP-DM Step-by-Step Data Mining Guide*, <http://www.crisp-dm.org/>, 2000.
2. Daniel Larose, *Discovering Knowledge in Data: An Introduction to Data Mining*, Wiley, Hoboken, NJ, 2005.
3. Clothing store data set, compiled by Daniel Larose, 2005. Available at the book series Web site.
4. Claritas Demographics (®), <http://www.tetrad.com/pcensus/usa/claritas.html>.
5. Tian Zhang, Raghu Ramakrishnan, and Miron Livny, BIRCH: an efficient data clustering method for very large databases, presented at Sigmod' 96, Montreal, Canada, 1996.