

REFERENCES

Achenbach TM. Assessment and taxonomy of child and adolescent psychopathology. Newbury Park: Sage, 1985.

Akay, M. & Welkowitz, W. (1993), Acoustical detection of coronary occlusions using neural networks, Journal of Biomedical Engineering, 15(6):469-73

Aleksanadar J & Andrews G (1999), Computers in psychiatric care, Current Opinion in Psychiatry, 12(6), Nov 1999; 701-704

American Academy of Child & Adolescent Psychiatry (1997), Practice parameters for the assessment and treatment of children, adolescents, and adults with attention-deficit / hyperactivity disorder. Journal of the American Academy Child & Adolescent Psychiatry; 36: 85S – 121S

American Psychiatric Association (1987) Diagnostic and Statistical Manual of Mental Disorders (3rd ed., rev) Washington DC, APA

American Psychiatric Association (1994) Diagnostic and Statistical Manual of Mental Disorders (4th ed.) Washington DC, APA

Anderer, P., Saletu, B., Kloppel, B., Semlitsch, H., and Werner, H. (1994), Discrimination between demented patients and normals based on topographic slow wave activity: comparision between z statistics, discriminant analysis and artificial neural network classifiers. Electroencephalography & Clinical Neurophysiology, 91(2):108-17

Andrews G. The Changing Nature of Psychiatry. Australian and New Zealand Journal of Psychiatry. 1991: 25: 453-459.

Allen NB. (1998) Comment: neural networks, a new microscope to study psychiatric classification? Australian and New Zealand Journal of Psychiatry, 32:695-697

Arkes HR. Costs and benefits of judgement errors: implications for debiasing. Psychological Bulletin 1991; 110: 486-498.

Astion ML, & Wilding P. Application of neural networks to interpretation of laboratory data in cancer diagnosis. Clinical Chemistry. 1992; 38: 34-38

Astion, M.L., & Wilding P. (1992) The application of backpropagation neural networks to problems in pathology and laboratory medicine. Archives of Pathology and Laboratory Medicine, 116, 995-1001.

Barkley R.A. & others (2002). International Consensus Statement on ADHD – January 2002. Clinical Child and Family Psychology Review, 5(2), 2 June 2002: 89-111

References

Baxt W.G. (1990) Use of an Artificial Neural Network for Data Analysis in Clinical Decision-Making: The Diagnosis of Acute Coronary Occlusion Neural Computation. 2: 480-489.

Baxt WG.(1991) Use of an Artificial Neural Network for the diagnosis of myocardial infarction. Annals of Internal Medicine. 1991; 115: 843-848.

Baxt WG, Sites FD, Shofer FS & Hollander JE (2001) Neural Computational aid to the diagnosis of acute myocardial infarction. Academic Emergency Medicine, 8(5):415, 2001 May

Baxt, William G. MD. Shofer, Frances S. PhD. Sites, Frank D. BSN, RN. Hollander, Judd E. MD. (2002) **A neural network aid for the early diagnosis of cardiac ischemia in patients presenting to the emergency department with chest pain.** Annals of Emergency Medicine. 40(6):575-583, December 2002.

Bellman, R Adaptive Control Processes: A guided Tour. New Jersey: Princeton University Press, 1961

Bigelow DA. State data systems and research opportunities. New Directions for Mental Health Services. 1989; 44: 73-82.

Bishop C. M. (1995) Neural Networks for Pattern Recognition Oxford University Press, Oxford UK.

Bottacci L. Drew PJ. Hartley JE. Hadfield MB. Farouk R, Lee PWR. Macintyre IMC, Duthie GS and Monson JRT. (1997) Artificial neural networks applied to outcome prediction for colorectal cancer patients in separate institutions; Lancet 350(9076) August 16; 469-472

Breiman L (1996) Bias, Variance, and Arcing Classifiers (Technical Report 460), Statistics Department, University of California at Berkley, Berkly CA
<ftp://www.stat.berkeley.edu/pub/users/breiman/arcall96.ps.Z> downloaded Dec 2003

Brereton AV, Tonge BJ, Mackinnon AJ & Einfeld SL (2002). Screening Young People for Autism With the Developmental Behaviour Checklist. Journal of the American Academy Child & Adolescent Psychiatry; 41(11): 1369-1375

Bruininks RH., Woodcock RW., Weatherman RF., and Hill BK, (1984) Scales of Independent Behavior, Woodcock-Johnson Psycho-Educational Measures, Part 4 DLM Teaching Resources, Allen Texas USA.

Carney M. W. P., Roth M. & Garside R.F. (1965) The diagnosis of depressive syndromes and the prediction of ECT response. British Journal of Psychiatry 111, 659-674

Cenci M. Nagar C. Vecchione A. PAPNET-assisted primary screening of conventional cervical smears Anticancer Research. 20(5C):3887-9, 2000 Sep-Oct.

Cheng B. & Titterington D.M. (1994) Neural Networks:A Review from a Statistical Perspective Statistical Science, 9:2-54

References

Cicchetti, D.V., Volkmar F., Klin A., and Showalter D., (1995) Diagnosis Autism Using ICD-10 Criteria: A Comparison of Neural Network and Standard Multivariate Procedures, Child Neuropsychology, 1(1), 26-37.

Clermont G. Angus DC. DiRusso SM. Griffin M. Linde-Zwirble WT. Predicting hospital mortality for patients in the intensive care unit: a comparison of artificial neural networks with logistic regression models. Critical Care Medicine. 29(2):291-6, 2001 Feb

Cohen JD, Servan-Schreiber D. Introduction to neural network models in psychiatry. Psychiatric Annals. 1992; 22: 113-118.

Cohen JD, Servan-Schreiber D. Context, Cortex, and dopamine: A connectionist approach to behaviour and biology in schizophrenia. Psychological Review. 1992; 99: 45-77.

Cohen J.D. & Servn-Schreiber D.A. (1992) Neural Network Model of of Disturbances in Processing of Context in Schizophrenia, Psychiatric Annals, 22(3), 131-136

Cohen I.L. (1994), An Artificial Neural Network Analogue of Learning in Autism Biological Psychiatry, 36:5-20

Cohen I.L., Sudhalter V., Landon-Jimenez D., and Keogh M. (1993) A Neural Network Approach to the Classification of Autism Journal of Autism and Developmental Disabilities, 23(3), 443-466

Colombet I. Ruelland A. Chatellier G. Gueyffier F. Degoulet P. Jaulent MC. Models to predict cardiovascular risk: comparison of CART, multilayer perceptron and logistic regression. Proceedings / AMIA ... Annual Symposium. :156-60, 2000

Coltheart M (1980) Lexical access in simple reading tasks. In G. Underwood (ed.) Strategies for information processing, Academic Press, NY.

Conners CK. (1992). Continuous Performance Test Computer Program. Mult-Health Systems Inc., North Tonawanda, NY, 1992

Conners CK. Eisenberg L & Barai A. (1967) Effects of dextroamphetamine in children: Studies on subjects with learning difficulties and school behaviour problems Archives of General Psychiatry ; 17: 478-485

Cross S.S., Harrison R.F., & Kennedy R.L. (1995) Introduction to Neural Networks, Lancet, 346(8982):1075-1079, Oct 21

Crick F. The recent excitement about neural networks, Nature 1989; 337: 129-133.

Curran S & Taylor EA. (2000) Attention deficit-hyperactivity disorder: biological causes and treatments. Current Opinion in Psychiatry; 13(4) July 2000: 397-402

Dayhoff J. (1990) Neural Network Architectures: an Introduction Van Nostrand Reinhold, New York, USA

References

Dawes R.M., & Corrigan B. (1974) Linear Models in Decision Making, Psychological Bulletin, 81(2): 95-106

Dawes RM, Faust D, Meehl PE. Clinical Versus Actuarial Judgement. Science. 1989; 243: 1668-1674.

DiRusso SM. Sullivan T. Holly C. Cuff SN. Savino J. An artificial neural network as a model for prediction of survival in trauma patients: validation for a regional trauma area Journal of Trauma-Injury Infection & Critical Care. 49(2):212-20; discussion 220-3, 2000 Aug

Efron B. & Tibshirani R.J. (1993) An Introduction to the Bootstrap, Chapman & Hall, NY.

Einfeld S.L., and Tonge B J. Manual for the Developmental Behaviour Checklist. Melbourne: Monash University Centre for Developmental Psychiatry, Sydney: Department of Child and Adolescent Psychiatry, Prince of Wales Childrens Hospital, 1993.

Einfeld S. & Tonge B. (1994) Manual for the Developmental Behaviour Checklist Department of Child & Adolescent Psychiatry, School of Psychiatry, University of NSW and Centre for Developmental Psychiatry, Monash University.

Einfeld, S.L, Tonge, B.J., and Florio T. (1994), Behavioural and Emotional Disturbance in Fragile X Syndrome, American Journal of Medical Genetics, 51: 386-391.

Einfeld, S.L., Tonge, B.J. (1991) Psychometric and clinical assessment of psychopathology in developmentally disabled children. Australian & New Zealand Journal of Developmental Disability, 17(2)147-154.

Einfeld S.L. & Tonge B.J. (1995) The Developmental Behaviour Checklist-The development and validation of an instrument to assess behavioural and emotional disturbance in children and adolescents with mental retardation, Journal of Autism and Developmental Disabilities, 25(2), 81-104

Faraone SV. Tsuang MT (1994) Measuring diagnostic accuracy in the absence of a “gold standard”. American Journal of Psychiatry. 151(5):650-7, 1994 May.

Farah MJ, & McClelland JL. Neural network models and cognitive neuropsychology. Psychiatric Annals. 1992; 22: 148-153.

Faust D. & Ziskin J. The expert witness in psychiatry and psychology. Science 1988; 241: 31-35.

Finne P. Finne R. Auvinen A. Juusela H. Aro J. Maattanen L. Hakama M. Rannikko S. Tammela TL. Stenman U. Predicting the outcome of prostate biopsy in screen-positive men by a multilayer perceptron network. Urology. 56(3):418-22, 2000 Sep 1.

Fletcher J.M., Rice W.J. and Ray R.M. (1978) Linear Discriminant function analysis in neuropsychological research: some uses and abuses. Cortex, 14, 564-577.

References

Florio T., Einfeld S.L. & Levy F. (1994), Neural Networks and Psychiatry: Candidate Application in Clinical Decision Making Australian & New Zealand Journal of Psychiatry, 28(4):651-666.

Florio TM. Parker G. Austin MP. Hickie I. Mitchell P. Wilhelm K. Neural network subtyping of depression. Australian & New Zealand Journal of Psychiatry. 32(5):687-94, 1998 Oct.

Floyd CE, & Tourassi GD. An artificial neural network for lesion detection on single photon emission computed tomographic images. Investigational Radiology. 1992; 27: 667-672.

Freeman RV, Eagle KA, Bates ER, Werns SW, Kline-Rogers E, Karavite D, Moscucci M. Comparison of artificial neural networks with logistic regression in prediction of in-hospital death after percutaneous coronary angioplasty. American Heart Journal. 140(3): 511-520, 2000, Sep.

Friedman E., Wolf E., Cohen I. and Fisch G. (1985) Autistic Descriptors Checklist A.D.C., Parent Interview Edition and Scoring Guidelines. New York State Institute for Basic Research in Developmental Disabilities. Staten Island, New York.

Furlong JW, Dupuy ME, Heinsimer JA. Neural network analysis of serial cardiac enzyme data. A clinical application of artificial machine intelligence. American Journal of Clinical Pathology 1991; 96: 134-141.

Garb HN (2000) Computers Will Become Increasingly Important for Psychological Assessment: Not That There's Anything Wrong With That! Psychological Assessment , 12(1), 31-39, 2000

Garfield DA, Rapp C, Evens M. Natural Language Processing in Psychiatry, Artificial Intelligence Technology and Psychopathology. Journal of Nervous & Mental Disorders. 1992; 180: 227-237.

Geman S, Bienenstock E & Doursat R. Neural Networks and the bias/variance dilemma. Neural Computation, 4(1), 1-58

Gittleman, R., Manussa, S. and Bonagura, M. (1985). *Hyperactive boys almost grown up. I. Psychiatric status.* Archives of General Psychiatry. 42:937-947

Glaze RC, & Cox JL. Validation of a computerised version of the 10-item (self-rating) Edinburgh Postnatal Depression Scale. Journal of Affective Disorders. 1991; 22: 73-77.

Goldberg LR. Diagnosticians versus diagnostic signs: the diagnosis of psychosis versus neurosis from the MMPI. Psychological Monographs. 1965; 79: 9.

Goodman P. (1994) NevProp2 , University of Nevada Centre for Biomedical Modelling Research, Reno, Nevada. This is a software package for implementing a neural network. Dr Goodman can be contacted by email: goodman@unr.edu

Goodman P. (1996) Nevprop3 User Manual Reno NV: University of Nevada; 1996

References

Goodman P. (1998) NevProp4 , University of Nevada Centre for Biomedical Modelling Research, Reno, Nevada. This is software package for implementing a neural network available from <http://brain.unr.edu/publications/nevprop.zip> [Accessed October 2002] Dr Goodman can be contacted by email: goodman@unr.edu

Goodman P & Harrell FE (2001) Neural Networks: Advantages and Limitations for Biostatistical Modelling Paper on website <http://brain.unr.edu> published August 7, 2001. http://brain.unr.edu/publications/goodman.ann_advantages.jasa99.pdf [accessed October 2002]

Gordon M. (1983). The Gordon Diagnostic System. Gordon Systems, DeWitt, NY, 1983

Greenhill LL, Halperin JM, & Abikoff H. (1999) Stimulant Medications Journal of the American Academy Child & Adolescent Psychiatry; 38(5): 503-512

Grove WM, Zald DH, Boyd S, Lebow BS, Snitz, BE & Nelson C (2000) Clinical Versus Mechanical Prediction: A Meta-Analysis Psychological Assessment, Vol 12 (1), 19-30

Halford JA, Wright RG, Ditchmen EJ. Prospective study of PAPNET: review of 25,656 Pap smears negative on manual screening and rapid rescreening. Cytopathology. 10(5):317-23, 1999 Oct.

Hanely JA & McNeil BJ (1982) The Meaning and Use of the Area Under a Receiver Operating Characteristic (ROC) Curve. Radiology 143: 29-36, April 1982

Hanely JA & McNeil BJ (1983) A Method of Comparing the Areas under Receiver Operating Characteristics Curves Derived from the Same Cases. Radiology 148: 839-843, September 1983

Han M, Snow PB, Brandt JM & Partin AW (2001) Evaluation of artificial neural network for the prediction of pathological stage in prostate carcinoma. Cancer, 91(S8): 1661-6 2001 April 15

Hand DJ. Artificial intelligence and psychiatry. Cambridge MA: Cambridge University Press, 1985.

Hand DJ. Construction and Assessment of Classification Rules. Chichester, John Wiley & Sons, 1997

Hand DJ, Mannila H, Smyth P. Principles of data mining Cambridge, Mass MIT Press, 2001

Harrel FE, Lee KL, Califf RM, Pryor DB & Rosati RA (1984) Regression Modeling Strategies for Improved Prognostic Prediction. Statistics in Medicine 1984: 3 :143-152

Hastie T, Tibshirani R & Friedman J. The Elements of Statistical Learning, Data Mining, Inference, and Prediction, NY Springer, 2001

References

Hebb DO. The Organisation of Behavior: A Neuropsychological Theory. New York: John Wiley, 1949.

Hoffman RE. Attractor neural networks and psychotic disorders. Psychiatric Annals. 1992; 22: 119-124.

Holt RR. Clinical and statistical prediction: A retrospective and would-be intergrative perspective. Journal of Personality Assessment. 1986; 50: 376-386.

Hosmer DW & Lemeshow S (1989) Applied Logistic Regression, Wiley, NY, 1989

Hughes VF, Melvin DG, Niranjan M, Alexnder GA & Trull AK (2001) Clinical validation of an artificial neural network trained to identify acute allograft rejection in liver transplant recipients. Liver Transplantation 7(6):496-503, 2001 June.

Jensen PS, Kettle L, Roper MT, Sloan MT, Dulcan MK, Hoven C, Bird HR, Bauermeister JJ, & Payne JD. (1999) Are Stimulants Overprescribed? Treatment of ADHD in Four U.S. Communities Journal of the American Academy Child & Adolescent Psychiatry; 38(7) 979-804

Jensen PS (2000) Are Stimulants Overprescribed Journal of the American Academy Child & Adolescent Psychiatry; 39(3) 270-271

Kahneman D, Slovic P, Tversky A. (eds). Judgment under uncertainty: Heuristics and biases. New York: Cambridge Uni Press, 1982.

Kandel E, & Hawkins R. The Biological Basis of Learning and Individuality. Scientific American: Special Issue: Mind and Brain 1992; Sept: 53 - 60.

Kiernan M, Kraemer HC, Winkleby MA, King AC & Barr Taylor C. (2001) Do Logistic Regression and Signal Detection Identify Different Subgroups at Risk? Implications for the Design of Tailored Interventions. Psychological Methods, 2001, Vol 6(1), 35-48

Kim WO, Kil HK, Kang JW, Park HR. Prediction on lengths of stay in the postanesthesia care unit following general anesthesia: preliminary study of the neural network and logistic regression modelling Journal of Korean Medical Science. 15(1):25-30, 2000 Feb.

Kippenham J., Barker W., Pascal S., Nagel J. and Duara R. (1992), Evaluation of a neural network classifier for PET scans of normal and Alzheimer's disease subjects Journal of Nuclear Medicine, 33:1459-1467.

Kleinmuntz B. Why we still use our heads instead of formulas: toward an integrative approach. Psychological Bulletin 1991; 107: 296-310.

Klorman R, Brumaghim JT, Fitzpatrick PA, Borgstedt AD. (1991) Methylphenidate speeds evaluation processes of attention deficit disorder in adolescents during a Continuous Performance Test Journal of Abnormal Child Psychology ; 19: 263-283

References

Knottnerus JA, van Weel C, Muris JWN (2002). Evaluation of diagnostic procedures British Medical Journal 324 (23 Feb 2002); 477-480

Kohonen T. Self-Organisation and Associative Memory, New York: Springer Verlag, 1988

Kok MR & Boon ME Consequences of neural network technology for cervical screening: increase in diagnostic consistency and positive scores. Cancer. 78(1):112-7, 1996 Jul 1.

Krug D., Arick J., and Almond P. (1980) Behaviour checklist for identifying severely handicapped individuals with high levels of autistic behaviour, Journal of Child Psychology and Psychiatry, 21:221-229

Lahav O, Naim A, Buta RJ, Corwin HG, de Vancouleurs G, Dressler A, Huchra JP, van den Bergh S, Raychaoudhury S, Sodre Jr L & Storrie-Lombardi MC (1995). Galaxies, human eyes, and artificial neural networks. Science 267(5199); 859-862

LeCun Y., Boser B., Denker J.S., Henderson D., Howard R., Hubbard W., & Jackel L. (1990) Handwritten digit recognition with a back-propagation network in D. Touretzky ed. Advances in Neural Information Processing Systems Vol2, Morgan Kaufman, Denver, CO.

Leonard JM (1971) Statistics, the Arithmetic of Decision-Making , English Universities Press, London, 1971

Leli DA. & Filskov SB. (1984) Clinical detection of intellectual deterioration associated with brain damage. Journal of Clinical Psychology. 40(6):1435-41, 1984 Nov

Levy F. & Hobbes G. (1981) The diagnosis of Attention Deficit Disorder (Hyperkinesis) ; Journal of the American Academy Child & Adolescent Psychiatry; 20: 376-84

Levy F. & Hobbes G. (1997) Discrimination of attention deficit hyperactivity disorder by the continuous performance test Journal of Paediatrics & Child Health; 33, 384-387

Lewis G, Pelosi AJ, Glover E, Wilkinson G, Stansfeld SA, Williams P & Shepherd M. The development of a computerised assessment for minor psychiatric disorder. Psychological Medicine. 1988; 18: 737-745.

Ley P. (1972), Quantitative Aspects of Psychological Assessment: An Introduction, Duckworth, London.

Li YC, Liu L, Chiu WT, Jian WS. Neural network modelling for surgical decisions on traumatic brain injury patients. International Journal of Medical Infomatics. 57(1): 1-9, 2000, Jan

Li D & Spiegel D . A neural network model of dissociative disorders. Psychiatric Annals. 1992; 22: 144-147.

Lord C., Rutter M. & Le Couteur A. (1994) Autism Diagnostic Interview - Revised: A Revised Version of a Diagnostic Interview for Caregivers of Individuals with Possible Pervasive

References

Developmental Disorders, Journal of Autism and Developmental Disabilities, 24(5), 659-685

Lord C, Risi S, Lambrecht L, Cook EH, Leventhal BL, DiLavore P, Pickles A, & Rutter M. (2000) Manual for The Autism Diagnostic Observation Schedule – Generic, Western Psychological Services, Los Angeles, CA

Markopoulos C, Kouskos E, Koufopoulos K, Kryriakou V & Gogas J (2001) Use of artificial neural networks (computer analysis) in the diagnosis of microcalcifications on mammography. European Journal of Radiology 39(1):60-5, 2001 July

Martin JK & Hirschberg DS. (1996) Small Sample Statistics for Classification Error Rates I: Error Rate Measurements. Technical Report No. 96-21, Dept. of Information and Computer Science, University of California, Irvine

Martin JK & Hirschberg DS. (1996b) Small Sample Statistics for Classification Error Rates II: Confidence Intervals and Significance Tests. Technical Report No. 96-22, Dept. of Information and Computer Science, University of California, Irvine

McLachlan G., (1990) Discrimination & Classification, University of Queensland Press, Brisbane, Australia.

McNeil BJ & Hanely JA (1984) Statistical Approaches to the Analysis of Receiver Operating Characteristic (ROC) Curves. Medical Decision Making 4(2): 137 - 150, 1984

Meehl PE. Clinical Versus Statistical Prediction, Minneapolis, MN: University of Minnesota Press, 1954.

Meehl PE. When should we use our heads instead of the formula? Journal of Consulting Psychology 1957; 4: 268-273.

Mello G, Parretti E, Ognibene A, Mecacci F, Cioni R, Scarselli G, Messeri G. Prediction of the development of pregnancy-induced hypertensive disorders in high-risk pregnant women by artificial neural networks. Clinical Chemistry & Laboratory Medicine. 39(9):801-5, 2001 Sep.

Metz C (2002), The Area Under an ROC Curve. <http://gim.unmc.edu/dxtests/roc3.htm> (accessed October 2002)

Michie, D., Spiegelhalter, D.J. and Taylor, C.C. (1994), Machine Learning, Neural and Statistical Classification, Ellis Horwood.

Mjolsness E. & DeCoste D. (2001) Machine Learning for Science: State of the Art and Future Prospects. Science, 293(5537) 2051-2055

MTA Cooperative Group (1999) Fourteen-month randomised clinical trial of treatment strategies for attention deficit hyperactivity disorder Archives of General Psychiatry, 1999, 56:1073-1086

References

Mulherin SA, & Miller WC. (2002) Spectrum Bias or Spectrum Effect? Subgroup Variation in Diagnostic Test Evaluation. Annals of Internal Medicine 2002; 137: 598-602

Nelson L.C. & Charney D.S. (1981) The symptoms of major depressive illness American Journal of Psychiatry 138, 1-13

Nihira K, Foster R, Shellhaas M, and Leland H. (1975) AAMD Adaptive Behavior Scale Manual (rev.), American Association for Mental Deficiency, Washington DC, USA.

Nurcombe B & Gallagher RM (1986) The Clinical Process in Psychiatry Cambridge University Press, Cambridge, UK, 1986

O'Leary TJ, Mikel UV, Becker RL. Computer-assisted image interpretations: use of a neural network to differentiate tubular carcinoma from sclerosing adenosis. Modern Pathology. 1992 ; 5: 402-405.

Orr RK. Use of an artificial neural network to quantitate risk of malignancy for abnormal mammograms. Surgery 129(4): 459-466, 2001, Apr

Parker G., Hadzi-Pavlovic D., Boyce P., et al (1990) Classifying depression by mental state signs British Journal of Psychiatry 157, 55-65

Parker G, & Hadzi-Pavlovic D. (1993) Prediction of Response to Antidepressant Medication by a Sign-Based Index of Melancholia. Australian and New Zealand Journal of Psychiatry 1993; 27: 56-61.

Parker G., Hadzi-Pavlovic D., Wilhelm K., Hickie I., Brodaty H., Boyce P., Mitchell P. & Eyers K. (1994) Defining Melancholia: Properties of a Refined Signed-Based Measure. British Journal of Psychiatry, 164, 316-326

Parker G., Hadzi-Pavlovic D. Austin M.-P., Mitchell P., Wilhelm K., Hickie, I., Boyce P. & Eyers K. (1995a) Sub-typing depression, I. Is psychomotor disturbance necessary and sufficient to the definition of melancholia. Psychological Medicine, 25, 815-823

Parker G., Hadzi-Pavlovic D. Brodaty H., Austin M.-P., Mitchell P., Wilhelm K. & Hickie, I (1995b) Sub-typing depression, II. Clinical distinction of psychotic depression and non-psychotic melancholic. Psychological Medicine, 25, 825-832

Parker G., Hadzi-Pavlovic D., Hickie I., Brodaty H., Boyce P., Mitchell P. & Wilhelm K. (1995c) Sub-typing depression, III. Development of a clinical algorithm for melancholia and comparison with other diagnostic measures . Psychological Medicine, 25, 833-840

Penny W & Frost D (1996) Neural Networks in Clinical Medicine Medical Decision Making 1996; 16:386-398

Plaut D. & Mclelland J.L. (1993) Generalisation with component attractors: Word and nonword reading in an attractor network. Proceedings of the 15th Annual Conference of the Cognitive Science Society, Erlbaum, Hillsdale NJ.

References

Poulakis V, Witzsch U, Remplick J, Sihler S, Becht E. [Prediction of calculus clearance after extracorporeal shock wave lithotripsy of calculi in the inferior kidney calices. Application of the artificial neural network]. [German] *Urologe (Asg. A)*. 41(6):583-95, 2002 Nov

Price RK, Sptitznagel EL, Downey TJ, Meyer DJ, Risk NK, el-Ghazzaway OG. (2000) Applying artificial neural network models to clinical decision making *Psychological Assessment*; 12(1):40-51

Ransohoff DF & Feinstein AR. (1978) Problems of spectrum and bias in evaluating the efficacy of diagnostic tests. *New England Journal of Medicine*, 1978; 299: 926-930

Rawlings R.R., Rae D.S., Graubard B.I., Eckhardt M.J. and Ryback R.S. (1982) A methodology for construction of a multivariate diagnostic instrument: An application to alcohol abuse screening, *Computers and Biomedical Research*, 15, 228-239

Reed RD & Marks RJ (1999) *Neural Smithing, Supervised Learning in Feedforward Artificial Neural Networks*, MIT Press, Cambridge MA., 1999

Resnic FS, Ohno-Machado L, Selwyn A, Simon DI, Popma JJ. Simplified risk score models accurately predict the risk of major in-hospital complications following percutaneous coronary intervention. *American Journal of Cardiology*. 88(1):5-9, 2001 Jul 1

Rey J.M., Morris-Yates A., and Stanislaw H. (1992) Measuring the Accuracy of Diagnostic Tests using Receiver Operating Characteristics (ROC) Analysis *International Journal of Methods in Psychiatric Research*, 2:39-50

Ripley, B. D. (1994). Neural networks and related methods for classification. *Journal of the Royal Statistical Society, B*, 56, 409-456.

Ripley BD (1996) *Pattern Recognition and Neural Networks* Cambridge University Press, Cambridge UK, 1996

Ripley BD (1997) NN versus polynomials, Internet Newsgroup: *Comp.ai.neural-nets*, Thurs 01 May 12:06:34

Rosvold HE, Mirsky AF, Sarason I, Bransome ED, Jr & Beck LK (1954) A continuous performance test of brain damage *Journal of Consulting Psychology*; 20: 343-350

Rummelhart DE and McClelland JL, eds, *Parallel Distributed Processing, Vol I and II*, MIT Press, Cambridge MA, 1986.

Sackett DL & Haynes RB (2002). The architecture of diagnostic research. *British Medical Journal* 324 (2 Mar 2002); 539-541

Sargent DJ (2001) Comparison of Artificial Neural Networks with Other Statistical Approaches: Results from Medical Data Sets. *Cancer* 2001;91:1636-1642

References

Sarle W S (1994), Neural Networks and Statistical Models in Proceedings of the Nineteenth Annual SAS Users Group International Conference, April 1994, SAS Institute Inc., Cary, NC, USA

Sarle WS (2002) Neural Network FAQ. <ftp://ftp.sas.com/pub/neural/FAQ.htm> (accessed October 2002).

Sarris A, Swayer MG. Automated information systems in mental health services: A review. International Journal of Mental Health. 1989-90; 18: 18-30.

Sawyer J. Measurement and prediction, clinical and statistical. Psychological Bulletin 1966; 66: 178-200.

Sawyer MG, Sarris A, Baghurst P. (1991) The use of a computer-assisted interview to administer the Child Behavior Checklist in a child psychiatry service. Journal of the American Academy of Child and Adolescent Psychiatry, 1991; 30: 674-681.

Schopler E., Reicher R., DeVellis, R and Daly K. (1980). Towards objective classification of childhood autism: Childhood autism rating scale (CARS). Journal of Autism and Developmental Disorders, 10, 91-103

Schwartz S. & Griffin T. (1986) Medical Thinking: The psychology of medical judgement and decision making New York: Springer Verlag, 1986.

Schwarzer G, Vach W, Schumacher M. (2000) On the misuses of artificial neural networks for prognostic and diagnostic classification in oncology Statistics in Medicine ; 19(4):54-61

Sejnowski T. & Rosenberg C. (1987), Parallel networks that learn to pronounce English text. Complex Systems 1(1):145-68

Selmi PM, Klein MH, Greist JH, Sorrell SP, Erdman HP. (1990) Computer-administered Cognitive-Behavioural Therapy for depression. The American Journal of Psychiatry, 1990; 147(1):51-56

Shortliffe EH. Computer-based medical consultations:MYCIN. New York: Elsevier, 1976.

Sinha M. Kennedy CS. Ramundo ML Artificial neural network predicts CT scan abnormalities in pediatric patients with closed head injury. Journal of Trauma-Injury Infection & Critical Care. 50(2):308-12, 2001 Feb.

Snow PB, Kerr DJ, Brandt JM & Rodvold DM Neural network and regression predictions of 5-year survival after colon carcinoma treatment. Cancer. 91(8 Suppl): 1673-8, 2001 Apr 15

Swets J.A. (1988) Measuring the Accuracy of Diagnostic Systems. Science, 1988, June 3: 1285-1293.

Swets JA, Dawes RM & Monahan J. (2000) Better Decisions through science. Scientific American, 283(4) Oct 2000: 82-87.

References

Treffers PD, Goedhart AW, Waltz JW, Koudijs E. (1990) The systematic collection of patient data in a centre for child and adolescent psychiatry. British Journal of Psychiatry, 1990; 157: 744-748.

Tu JV, & Guerriere MR. (1992) Use of a neural network as a predictive instrument for length of stay in the intensive care unit following cardiac surgery. Proceedings of the Annual Symposium of Computer Applications in Medical Care. 1992: 666-672

Tonge BJ, Brereton AV, Gray KM & Einfeld SL (1999). Behavioural and emotional disturbance in high-functioning autism and Asperger syndrome. Autism, 3: 117-130

Van Der Schouw Y., Straatman H., and Verbeek A., (1994), ROC Curves and the Areas under Them for Dichotomized Tests: Empirical Findings for Logistically and Normally Distributed Diagnostic Test Results Medical Decision Making, 14(4) 374 - 381.

Veltri RW. Chaudhari M. Miller MC. Poole EC. O'Dowd GJ. Partin AW. Comparison of logistic regression and neural net modeling for prediction of prostate cancer pathologic stage. Clinical Chemistry. 48(10):1828-34, 2002 Oct.

Verive MJ. Irazuzta J. Steinhart CM. Orlowski JP. Jaimovich DG. Evaluating the frequency rate of hypomagnesemia in critically ill pediatric patients by using multiple regression analysis and a computer-based neural network. Critical Care Medicine. 28(10):3534-9, 2000 Oct.

Wainer H. (1976) Estimating Coefficients in Linear Models: It Don't make no Nevermind, Psychological Bulletin, 83(2) 213-217

Wang SJ. Ohno-Machado L. Fraser HS. Kennedy RL. Using patient-reportable clinical history factors to predict myocardial infarction. Computers in Biology & Medicine. 31(1):1-13, 2001 Jan.

Weiss S. M. & Kulikowski C. A. (1991) Computer Systems that Learn Morgan Kaufman, San Mateo, California, USA

Welkowitz J, Ewen RB & Cohen J (1976) Introductory Statistics for the Behavioural Sciences Academic Press, NY, 1976

Werbos P. Beyond Regression: new tools for prediction and analysis in the behavioural sciences. PhD Thesis Harvard University, 1974

Weinstein JN, Myers T, Casciari JJ, Buolanwini J & Raghavan K (1994) Neural networks in the biomedical sciences: a survey of 386 publications since the beginning of 1991. Proc World Conference on Neural Networks, San Diego, CA, June 5-9 1994, 121-126

White H. (1989) Learning in Artificial Neural Networks: A Statistical Perspective. Neural Computation, 1989, 1, 425-464

Wiggins JS. Personality and prediction. Reading Mass: Addison Wesley, 1973.

References

Wilkinson G, & Markus AC. PROQSY: a Computerised Technique for Psychiatric Case Identification in General Practice. British Journal of Psychiatry, 1989; 154: 378-382.

Winsberg BG & Commings DE (1999) Association of the Dopamine Transporter Gene (DAT1) With Poor Methylphenidate Response Journal of the American Academy Child & Adolescent Psychiatry; 38, 1474-1477

Wyatt, J (1995) Nervous about artificial neural networks? Lancet ,346(8984), 1175-1177

Zito JM. Safer DJ. dosReis S. Gardner JF. Boles M. & Lynch F. (2000) Trends in the Prescribing of Psychotropic Medications to Preschoolers Journal of the American Medical Association , 2000: 283(8) 1025-1

Zlotta AR. Remzi M. Snow PB. Schulman CC. Marberger M. Djavan B. An artificial neural network for prostate cancer staging when serum prostate specific antigen is 10 ng./ml. or less. Journal of Urology. 169(5):1724-8, 2003 May.