

REFERENCES

Alok, B 2003, 'A longitudinal analysis of the risk factors for diabetes and coronary heart disease in the Framingham Offspring Study', *Population Health Metrics*, vol.1,no. 3, retrieved on 02 November 2014, <http://www.pophealthmetrics.com/content/1/1/3>.

American Diabetes Association 2014, *Diagnosing Diabetes and Learning About Pre-diabetes*, retrieved on 02 November 2014, <http://www.diabetes.org/diabetes-basics/diagnosis/>.

American Diabetes Association 2015, *Statistics about diabetes*, retrieved on 7 December 2015, <http://www.diabetes.org/diabetes-basics/statistics/>.

Austin, PC & Steyerberg, EW 2014, 'Events per variable (EPV) and the relative performance of different strategies for estimating the out-of-sample validity of logistic regression models', *Statistical Methods in Medical Research*, vol.0, no.0, pp. 1–13.

Chun-Liang, L., Chung-Liang, L., Show-Wei, C, Kwoting, F 2007, 'Identification and Validation of Predictive Factors for Glycemic Control: Neural Networks vs. Logistic Regression', International Conference on Computer Engineering and Applications, Australia, 17-19 January, pp. 300-305.

Cross-validation (statistics) 2016, retrieved on 05 January 2016, [https://en.wikipedia.org/wiki/Cross-validation_\(statistics\)](https://en.wikipedia.org/wiki/Cross-validation_(statistics)).

Diabetes.co.uk 2014, *Children and Diabetes*, retrieved on 05 November 2014, <http://www.diabetes.co.uk/children-and-diabetes.html>.

Gregory, WC & Dale, IF 2009, *Non-parametric statistics for non-statisticians*, 2nd edn, John Wiley & Sons, New Jersey.

Habshah, M, Sarkar, SK, Sohel, R 2010, 'Collinearity diagnostics of binary logistic regression model', *Journal of Interdisciplinary Mathematics*, vol.13,no.3,pp. 253-267.

Hasan Temurtasa, Nejat Yumusakb, Feyzullah Temurtasc 2009, 'A comparative study on diabetes disease diagnosis using neural networks', *Expert Systems with Applications*, vol.36, no. 4, pp.8610-8615.

International Diabetes Federation 2006, *IDF Diabetes Atlas*, 3rd edn, Brussels, Belgium.

International Diabetes Federation 2013, *IDF Diabetes Atlas*, 6th edn, Basel, Switzerland.

Jamal, Z, Fiaz, B, Nasim, A, Uzma, R, Rizwan, B, Saima, H, Ayesha, W, Fardah, Y, Madeesha, N, Umaima 2011, 'Prevalence and risk factors for diabetes mellitus in a selected urban population of a city in Punjab', *J Pak Med Assoc*, vol. 61, no. 1, pp.40-47.

Jason Brownlee 2014, *Case Study: Predicting the Onset of Diabetes within Five Years (part 1 of 3)*, retrieved on 28 December 2015, <http://machinelearningmastery.com/case-study-predicting-the-onset-of-diabetes-within-five-years-part-1-of-3/>.



University of Moratuwa, Sri Lanka
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

Karegowda, AG, Punya, V, Jayaram, MA, Manjunath, AS 2012,' Rule based Classification for Diabetic Patients using Cascaded K-Means and Decision Tree C4.5', *International Journal of Computer Applications*, vol.45, no.12, pp. 45-50.

Katulanda, P, Constantine, GR, Mahesh, JG, Sheriff, R, Seneviratne, RDA, Wijeratne, S, Wijesuriya, M, McCarthy, MI, Adler, AI, Matthews, DR 2008, 'Prevalence and projections of diabetes and pre-diabetes in adults in Sri Lanka--Sri Lanka Diabetes', *Diabetic Medicine*, vol. 25, pp.1062-1069.


Katulanda, P, Constantin, GR, Weerakkody, MI, Perera, YS, Jayawardena MG, Wijegoonawardena P, Matthews DR, Sheriff MH 2011, 'Can we bridge the gap? Knowledge and practices related to Diabetes Mellitus among general practitioners in a developing country: A cross sectional study', *Asia Pac Fam Med*, vol. 5, pp. 10-15.

Katulanda P, Sheriff MH, Matthews DR 2006, 'The diabetes epidemic in Sri Lanka - a growing problem', *Ceylon Med*, vol. 51, pp. 26-28.

Kayaer, K, Yıldırım, T 2003, 'Medical diagnosis on Pima Indian diabetes using general regression neural networks', *Proceedings of the international conference on artificial neural networks and neural information processing ICANN/ICONIP*, Turkey, pp. 181-184.

Madhavi P, Ketki K, Parag N, Ajinkya P, Eknath P 2012, 'Design of Classifier for Detection of Diabetes using Neural Network and Fuzzy k-Nearest Neighbor Algorithm', *International Journal Of Computational Engineering Research*, vol. 2, no. 5, pp. 1384-1387.

Mahen, W, Martin, G, Laksha, V, Giancarlo, V, Luigi, G, Janaka, K 2011, 'DIABRISK - SL Prevention of cardio-metabolic disease with life style modification in young urban Sri Lankan's - study protocol for a randomized controlled trial', *BioMed*, vol. 12, retrieved on 01 November 2014, <http://www.trialsjournal.com/content/12/1/209>.

Mayo Foundation for Medical Education and Research 2016, *Diseases and conditions - Type 2 diabetes*, retrieved on 25 December 2015, <http://www.mayoclinic.org/diseases-conditions/type-2-diabetes/basics/symptoms/con-20031902>.
 University of Moratuwa, Sri Lanka
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

Morrish NJ, Wang SL, Stevens LK, Fuller JH, Keen H. Mortality and causes of death in the WHO Multinational Study of Vascular Disease in Diabetes. *Diabetologia*2001, 44 Suppl 2:S14–S21.

Murali Shanker, MYHu, Hung MS 1999, *Estimating Probabilities of Diabetes Mellitus Using Neural Networks*, retrieved on 27 December 2015, http://www.personal.kent.edu/~mshanker/personal/Zip_files/sar_2000.pdf.

National Diabetes Education Program 2014, *Manage Your Diabetes*, retrieved on 03 November 2014, <http://www.ndep.nih.gov/i-have-diabetes/ManageYourDiabetes.aspx>.


Rajesh, K, Sangeetha, V 2012, 'Application of Data Mining Methods and Techniques for Diabetes Diagnosis', *International Journal of Engineering and Innovative Technology*, vol.2, no.3, pp. 224-229.

Ramachandran, A, Ma, RCW, Snehalatha, C 2010, 'Diabetes in Asia', *Lancet*, vol.30, no. 375, pp. 408-18.

Roglic, G, Unwin, N, Bennett, PH, Mathers, C, Tuomilehto, J, Nag S et al. The burden of mortality attributable to diabetes: realistic estimates for the year 2000. *Diabetes Care*, 2005, 28(9):2130–2135.

Sadowski, EA 2010, 'A Time Series Analysis: Exploring the Link between Human Activity and Blood Glucose Fluctuation', MA thesis, Wilfrid Laurier University, Canada.

Syed AT 2007, 'Is Diabetes Becoming the Biggest Epidemic of the Twenty-first Century?', *International Journal of Health Sciences*, vol. 1, no. 2, pp.5-8

World Health Organization: Definition 1999, *Diagnosis and Classification of Diabetes Mellitus and its Complications. Report of a WHO Consultation. Part 1: Diagnosis and Classification of Diabetes Mellitus*, Geneva, retrieved on 01 November 2014, <http://www.who.int>.
 University of Moratuwa, Sri Lanka
Electronic Theses & Dissertations
www.lib.mrt.ac.lk

World Health Organization 2012. *Global data on visual impairments 2010*, Geneva, retrieved on 16 March 2015, [http://www.who.int/blindness/GLOBALDATAFINALforweb .pdf](http://www.who.int/blindness/GLOBALDATAFINALforweb.pdf).

Zahid A, Muhammad KP 2006, 'Risk Factors and Diabetes Mellitus (Statistical Study of Adults in Lahore, Pakistan)', *Journal of Statistics*, vol. 13, no.1, pp. 1684 – 8403.