## REFERENCES

- Abbaszadeh, S., Zagreus, L., Lehrer, D., & Huizenga, C. (2006). Occupant satisfaction with indoor environmental quality in green buildings. *Proceedings of Healthy Buildings*, *3*, 365-370.
- Abdou, O., Kholy, G. M. & Abdou, A. A. (n.d.). Correlation between indoor environmental quality and productivity in buildings. International Association for People-environment Studies Conference Proceedings.
- Adams, J., Khan, H. T. A., Raeside, R. & White, D. (2007). Research Methods for Graduate Business and Social Science Students, Sage: California.
- Anderson, J.A. (1984). Regression and Ordered categorial variables (with discussion). *Journal of the royal statistical society*, 46(1), 1-30.
- Ari, E. & Yildiz, Z. (2014). Parallel lines assumption in ordinal logistic regression and analysis approaches, *International Interdisciplinary Journal of Scientific Research*.

University of Moratuwa, Sri Lanka.

Arnold, DT (2010). Illinois department of public health guidelines for indoor air quality [online]. Ohio. Retrieved from: http://www.idph.state.il.us/envhealth/factsheets/indoorairqualityguide\_fs.html

- Assefa, G., Glaumann, M., Malmqvist, T. & Eriksson, O. (2010). Quality versus impact: comparing the environmental efficiency of building properties using the eco-effect tool. *Building and Environment*, 45 (2010), 1095–1103.
- Atkin, B., & Brooks, A. (2000). *Total facilities management* (2nd ed.). London: Blackwell science ltd.
- Augenbroe, G. & Park, C. (2005). Quantification methods of technical building performance. *Building Research and Information*, 33(2), 159-172. doi: 10.1080/0961321042000325327
- Bartlett, E. & Howard, N. (2000). Informing the decision makers on the cost and value of green building. *Building Research and Information*, 28 (5/6), 315-324.

- Batuwangala, I.D. (2000). An Overview of the Green Building Concept. Jones InternationalDubai: UAE.
- BCA Green Mark. (2013). *BCA Green Mark for New Non-Residential buildings*, version NRB/4.1, Builoding Construction and Authority [online] Available from www.bca.gov.sg/greenmark/others/gm nonresi v4.1.pdf.
- Bluyssen, P. M. (2009). Towards new methods and ways to create healthy and comfortable buildings. *Building and Environment*. 45 (2010), 808–818.
- Bluyssen, P.M. (2010). Towards new methods and ways to create healthy and comfortable buildings. *Building and Environment*, 45(4), 808-818.
- Boonstra, C., & Pettersen, T. D. (2003). Tools for environmental assessment of existing buildings. *Sustainable Building and Construction*, UNEP industry and environment, April.
- Borgeson, S. & Brager, G. (2011). Comfort standards and variations in exceedance for mixed-mode buildings. Building Research and Information, 39(2), 118-133 doi: 10.1080/09613218.2011.556345. Electronic Theses & Dissertations www.lib.mrt.ac.lk
- Brager, G. & Baker, L. (2009). Occupant satisfaction in mixed-mode buildings. *Building Research and Information*, 37 (4), 369-380.
- Brant, R. (1990). Assessing proportionality in the proportional odds model for ordinal logistic regression. *Biometrics*, 46, 1171-1178.
- Centre for the Study of Living Standards. (1998). *Productivity: key to economic success*.
- Chan, A.P.C., Yung, K.H.E., Lam, P.T.I., Tam, C.M. & Chueng, S.O. (2001). Application of Delphi method in selection of procurement systems for construction projects. *Construction Management and Economics*, 19(3), 699-718.
- Cheng, C. L. (2007). Evaluating water conservation measures for Green Building in Taiwan. *Building and Environment*, 38(2), 369-379.

- Choi, J. H. Loftness, V. & Aziz, A. (2011). Post-occupancy evaluation of 20 office buildings as basis for future IEQ standards and guidelines. *Energy and Buildings* 46 (2012) 167–175.
- Clements-Croome, D. (2000). *The productive work place*. London: E&FN Spon: London New York, ISBN 0-419-23690-2
- Clements-Croome, D. (2002). *Creating the productive workplace*, E&FN Spon: London, New York.
- Clements-Croome, D. & Kaluarachchi, Y. (2000). An assessment of the influence of the indoor environment on the productivity of occupants in offices, *Design*, *Construction and Operation of Healthy Buildings*, 67-81.
- Codinhoto, R., Tzortzopoulos, P., Kagioglou, M., Aouad, G., & Cooper, R. (2009). The impacts of the built environment on health outcomes. *Facilities*, 27 (3), 138 151. doi. 10.1108/02632770910933152
- Cole, R. J. (1998). Emerging trends in building environmental assessment methods,

  Building Research of Moratuwa Information, 26(1), 3-16.

  doi:10/1080/096032098370063Ses & Dissertations

  www.lib.mrt.ac.lk
- Cole, R. J. (2010). Green buildings and their occupants: a measure of success. *Building Research and Information*, 38(5), 589-592.
- Crawshaw, J. & Chambers, J., (2001). A concise course in advanced level statistics with worked examples. Cheltenham: Nelson Thornes.
- Cresswell J. W. (2003). Research design: Qualitative, quantitative and mixed methods approaches. (2nd ed.). London: Sage Publications.
- Creswell, J. W. (2007). Qualitative inquiry and research design. (2nd ed.). California: Sage Publications.
- Creswell, J. W. (2009), Research design: Qualitative, quantitative, and mixed methods approaches, (3rd ed.). Los Angles: Sage.

- Das, S. & Rahman, R. M. (2011). Application of ordinal logistic regression analysis in determining risk factors of child malnutrition in Bangladesh. *Nutrition Journal*. 10, 124.
- Deuble, M. P. & Dear, R. J. (2012). Green occupants for green buildings: The missing link. *Building and Environment*, 56 (2012), 21-27.
- Dorgan, C. E. (1994). Productivity link to the Indoor Environment Estimated Relative to ASHRAE 62-1989. *Proceedings of Health Buildings '1994, Budapest*, pp.461 472.
- Edwards, B. (2003). Green buildings pay. (2nd ed.). London; New York: Spon Press.
- Edwin, H. W., Qian, Q. K. & Lam, P. T. I. (2009). The market for green building in developed Asian cities—the perspectives of building designers. *Energy Policy*, 37 (8), 3061–3070.
- Field, A. P. (2000) Discovering statistics using SPSS for Windows: advanced techniques for the beginner, London; Thousand Oaks: Sage Publications.

  University of Moratuwa, Sri Lanka.

  Electronic Theses & Dissertations
- Fowler, J. 2008) Survey research method (Apply social research methods). (4th ed.). California: Sage Publications.
- Frontczak, M., Schiavon, S., Goins, J., Arens, E., Zhang, H. & Wargocki, P. (2012). Quantitative relationships between occupant satisfaction and aspects of indoor environmental quality and building design. *Indoor Air Journal*, 22(2), 119-131. doi: 10.1111/02632770910933153
- Frontczak, M. & Wargocki, P. (2010). Literature survey on how different factors influence human comfort in indoor environments. *Building and Environment*, 46 (2011), 922-937. doi:10.1016/14725960810847458
- Gable Guy, G. (1994) Integrating case study and survey research methods: an example in information systems. *European Journal of Information Systems*, 3(2):pp. 112-126.

- Gardner, E. M. (2007). Which is the correct statistical test to use?, *British Journal of Oral and Maxillofacial Surgery*, 46 (2008) 38–41.
- Gill, J. & Johnson, P. (2002), *Research Methods for Managers*, (3rd ed.). Los Angles: Sage publications.
- Gou, Z., Prasad, D. & Lau, S. S. (2013). Are green buildings more satisfactory and comfortable, *Habitat International*, 39 (2013), 156-161.
- Green Building Council in Sri Lanka. (2010). GREENSL® rating system for built environment, GBCSL: Sri Lanka.
- Green Building Council in Sri Lanka. (2011). *Green Rating System for Built Environment*. Sri Lanka: Green Building Council.
- Haapio, A. (2008). Environmental assessment of buildings (Doctoral Dissertation), Helsinki University of Technology, Helsinki, Finland.
- Hameed, A. & Amjad, S. (2009). Impact of office design on employees' productivity: Eal case study of banking organization of Abbottabad, Pakistan. Journal of Public Affairs, Administration and Management, 3(1).
- Hashim, S. Z., Hashim, H., Saleh, A. A. & Kamarulzaman, N. (2011). Green Building Concept at Children Activity Centre. *Procedia Engineering*, 20 (2011), 279–283.
- Haynes, B. P. (2008). The impact of office layout on productivity. *Journal of Facilities Management*, 6(3), 189–201.
- Heerwagen, J. (2000). Green buildings, organizational success and occupant productivity. *Building Research and Information*, 28 (5/6), 353-367.
- Hikmat, H. & Nsairat, S. F. A. (2009). Developing a green building assessment tool for developing countries Case of Jordan. *Building and Environment*, 44 (5), 1053–1064.

- Hinkle, D. E., Wiersma, W. & Jurs, S.G. (1998). *Applied Statistics for the Behavioral Sciences*, 4th ed. Boston, Houghton Mifflin Company.
- Hirning, M. B., Isoardi, G. L., Coyne, S., Hansen, V. R. G. & Cowling, I. (2012). Post occupancy evaluations relating to discomfort glare: A study of green buildings in Brisbane. *Building and Environment*, 59, 349-357. doi.10.1016/14725960810847458
- Holden, M.T. & Lynch, P. (n.d.). Choosing the appropriate methodlogy: Understanding research philosophy. Waterford Institute of Technology, Waterford.
- Huang, L., Zhu, Y., Ouyang, Q. & Cao, B. (2011). A study on the effects of thermal, luminous, and acoustic environments on indoor environmental comfort in offices. *Building and Environment*, 49 (2012), 304-309.
- Hui, P. S., Wong, L. T. & Mui, K. W. (2009). Occupant acceptance as a screening parameter for indoor environmental assessments. *Facilities*, 28 (7/8). 338-347. doi.10.1108/02632771011042446
- University of Moratuwa, Sri Lanka.

  Humphreys, M. A. Elector, Dicf. (2007). Self-assessed productivity and the office environments unoutlity is neutropy. European countries. ASHRAE Transactions, 113, 606–616.
- Illeperuma, O. A. (2000). Environmental pollution in Sri Lanka: a review. *Journal of National Science Foundation Sri Lanka*, 28 (4), 301-325.
- In built ltd. (2010). BREEAM versus LEED (technical paper).
- Isnin, Z., Ahamad, S.S. & Yahya, Z. (2012). Challenges of the unknown building material substances for greener adaptation projects. *Procedia Social and Behavioral Sciences*, 68 (2012) 53 62.
- Jarbeen, Y. (2009). Building a conceptual framework: philosophy, definitions, and procedure. *International Journal of Qualitative Research*. 2009. 8(4). 49-62.

- Jones Lang LaSalle, (2011). Green buildings driving employee productivity. Advance. 2011 (September).
- Juslen, H., Wouters, M. & Tenner, A. (2006). The influence of controllable task-lighting on productivity: a field study in factory. *Applied Ergonomics*, 38 (2007). 39-44.
- Kagioglu, K, M., Cooper, R., Aouad, G. & Sexton, M. (2000). Rethinking construction: The generic guide to the design and construction process protocol. *Engineering Construction and Architectural Management*, 7(2), 141-153.
- Kamaruzzaman, S. N. & Sabrani, N. A. (2011). The Effect of Indoor Air Quality (IAQ) Towards Occupants' Psychological Performance in Office Buildings. *IAQ in Office Building*, 4, 1985-6881.
- Kamaruzzaman, S. N., Egbu, C.O., Zawawi, E. M, A., A li, A. S. & Che-Ani, A. I. (2010). The effect of indoor environmental quality on occupants' perception of performance: A case study of refurbished historic buildings in Malaysia. *Energy and Buildings*, 43 (2011), 407–413. Sri Lanka.

Karkanias, Boemi, Synli Papadopoulos, A. M., Tsoutsos T. D. & Karagiannidis, A. (2010). Energy efficiency in the Hellenic building sector: An assessment

- of the restrictions and perspectives of the market. *Energy Policy*, 38 (6), 2776–2784.
- Karunasena, G.I. (2012). Capacity building for post disaster waste management: Construction and demolition waste. (Doctoral dissertation). University of Salford. UK.
- Kats G. (2003). The cost and financial benefits of green buildings: a report to California's sustainable building task force. Sacramento, CA: Sustainable Building Task Force.
- Keeping, M. & Shiers, D. (1996). The "green" refurbishment of commercial property. *Facilities*, 14, 15–19.

- Khalil, N., & Husin, H. N. (2009). Post occupancy evaluation towards indoor environment improvement in Malaysia's office buildings. *Journal of Sustainable Development*, 2(1).
- Kim, J. & Dear, R., D. (2011). Nonlinear relationships between individual IEQ factors and overall workspace Satisfaction. *Building and Environment*, 49 (2012), 33-40.
- Knoke, D., Bohrnstedt, G.W. & Mee, A, P. (2002). *Statistics for Social Data Analysis*. 4<sup>th</sup> ed. Itasca, IL, F.E. Peacock Publishers.
- Kohler, N. (1999). The relevance of Green Building Challenge: an observer's perspective. *Building Research and Information*, 27(4-5), 309-320. doi:10.1080/096132199369426
- Koopmans, L., Bernaards, C. M., Hildebrandt, V. H., Schaufeli, W. B., De Vet Henrica, C. W. & Van Der Beek, A. J. (2011). Conceptual frameworks of individual work performance. *Journal of Occupational and Environmental Medicine*, 53(8), 856–866. doi:10.1097/JOM.0b013e318226a763

University of Moratuwa, Sri Lanka.

Kraemer, (2002) Cstovey researchs methodologyali Chanagement information systems: as vassessible to Monking paper on graduation of management of school, University of California, California.

- Kroner, Stark-martin & Eillemain. (1992). Using Advanced Office Technology to Increase Productivity—The Impact of Environmentally Responsive Workstations on Productivity and Worker Attitude. New York: Center for Architectural Research, Rensselaer Polytechnic Institute.
- Krugman, P. (1994). Defining and measuring productivity. The Age of Diminishing Expectations.
- Kulathunga, U., Amarathunga, R.D.G.Aand Haigh, R. (n.d.). Measuring performance and the impact of research and development in construction: research methodological perspectives. University of Salford: UK.

- Lacouture, C., Sefair, J., Florez, L., & Medaglia, A. L. (2008). Optimization model for the selection of materials using a LEED-based green building rating system in Colombia. *Building and Environment*, 44 (2009), 1162–1170.
- Lai, J. H. K. & Yik, F. W. H. (2008). Perception of importance and performance of the indoor environmental quality of high-rise residential buildings. *Building and Environment*, 44 (2009), 352–360.
- Lan L., Lian Z., Pan Li. & Ye, Q. (2008). Neurobehavioral approach for evaluation of office workers' productivity: the effects of room temperature. *Building and Environment*, 44 (2009), 1578–1588.
- Lan, L. & Lian, Z. (2009). Application of statistical power analysis how to determine the right sample size in human health, comfort and productivity research. *Building and Environment*, 45 (2010), 1202–1213.
- Leaman, A. & Bordass, B. (2007). Are users more tolerant of 'green' buildings?. *Building Research and Information*, 35 (6), 662-673.
- Leaman, A. & Bordass, B. (2001). Assessing building performance in use 4: the probe occupant cstavelys and stheir implications. Building Research and Information, 29, 129-143 performance in use 4: the
- Leaman, A., Stevenson, F. & Bordass, B. (2010). Building evaluation: practice and principles. *Building Research and Information*, 38(5), 564–577.
- Lee, Y. S. & Guerin, D. A. (2009). Indoor environmental quality differences between office types in LEED-certified buildings in the US. *Building and Environment*, 45 (2010), 1104–1112.
- Lee, Y. S. (2010). Office layout affecting privacy, interaction, and acoustic quality in LEED-certified buildings. *Building and Environment*, 45 (2010), 1594–1600.
- Lee, Y. S. & Guerin, D. A. (2010). Indoor environmental quality differences between office types in LEED-certified buildings in the US. *Building and Environment*, 45(5), 1104–1112. doi:10.1016/j.buildenv.2009.10.019

- Lee, Y. S. & Kim, S. K. (2008). Indoor Environmental Quality in LEED-Certified Buildings in the US. *Journal of Asian Architecture and Building Engineering*, (2008), 300.
- Lee, Y.S., Denise, A. & Guerin, A. (2009). Indoor environmental quality differences between office types in LEED-certified buildings in the US. *Building and Environment*. 45(2010), 1104-1112.
- Loftness, V., Hartkopf, V. & Gurtekin, B. (2000). Linking energy to health and productivity in the built environment. In *Proceedings of the* Carnegie Mellon 2003 Green build Conference.
- Long, J. & Freese, J. (2006). Regression models for categorial dependent variables using stata. Stata Press: College station.
- Mahdavi, A. & Unzeitig, U. (2003). Occupancy implications of spatial, indoorenvironmental, and organizational features of office spaces. *Building and Environment*, 40 (2005), 113–123.
- Mak, C. M. & Lui, Y. P. (2012). The effect of sound on office productivity. Building Services Engineering C Research & and SSTECHHOLOGY, 33(3), 339–345. doi:10.1177/01436244114122531k
- Manu, P. A. (2012). An investigation into the accident casual influence of construction project features. (PhD thesis). University of Wolverhampton.
- McCullagh, P. (1980). Regression models for ordinal data (with discussion). *Journal of the Royal Statistical Society*, 42, 109-142.
- McGaghie, W. C., Bordage, G. & Shea, J. A., 2001. Problem statement, conceptual framework, and research question. *Academic Medicine*, 76 (9), 923-924.
- McKay, J., (Eds.). (2007). Proceedings of BST '07: The Canadian Conference on Building Science and Technology. Banff: Alberta.

- Menzies D., Pasztor J., Nunes F., Leduc J. & Chan C. H. (1997). Effect of new ventilation system on health and well-being of office workers. *Archives of Environmental health*, 52(5). 360 8.
- Miller, N. G., Pogue, D., Gough, Q. D. & Davis, S. M. (2009). Green building and productivity. *Journal of Sustainable Real Estate*, 1 (1).
- Ministry of Industry (2010). Survey methods and practices, Statistics Canada: Canada.
- Muhi, S. & Butala, V. (2003). The influence of indoor environment in office buildings on their occupants: expected–unexpected. *Building and Environment*, 39 (2004), 289 296.
- Munn, P. & Drever, E. (1995), Using Questionnaires in small-Scale Research. A Teacher's Guide, rev.ed. Edinburgh: Scottish Council for Research in Education
- Nayeri, N.D., Nazari, A. A., Salsali, M. & Ahmadi, F. (2005). Iranian staff nurses' views of their productivity and human resource factors improving and impeding it: a catalitative study. Shuman Resource for Health, 3 9. doi: 10.1186/1478-4491-319.mrt. ac.lk
- Noor, K. B. M. (2008). Case study: a strategic research methodology. *American Journal of Applied Science*, 5 (11), 1602-1604.
- Nulty, D. D. (2008). The adequacy of response rates to online and paper surveys: what can be done. Assessment and Evaluation in Higher education, 33(3), 301-314.
- Oseland, N. (1999). Environmental Factors Affecting Office Worker Performance: A Review of Evidence. London: Chartered Institution of Building Services Engineers: DETR.
- Oyeranti, G. A. (n.d.). *Concept and measurement of productivity*, Department of Economics, University of Ibadan: Ibadan.

- Pathirage, C. P., Amarathunga, R. D. G. & Haigh, R. (2008). The role of philosophical context in the development of theory: Towards methodological pluralism. University of Salford: UK.
- Patton, E. & Appelbaum, S. H. (2003). The case for case studies in management research. *Journal of Management Research News*, 26(5), 60-71.
- Paul, W.L. & Taylor, P. A. (2007). A comparison of occupant comfort and satisfaction between a green building and a conventional building. *Building and Environment*, 43 (2008), 1858–1870.
- Prakash, P. (2005). Effect of indoor environmental quality on occupant's perception of performance: a comparative study (Master's thesis). University of Florida, Florida.
- Priyadarshani, G.H.K. (2010). Developing a safety management assessment model for Sri Lankan construction industry. (Unpublished dissertation). University of Moratuwa.
- Rashid, M. Spreckelmeyer, K. & Angrisano, N. J. (2012). Green buildings, environmental awareness, Tand Sorganizational Imagel Sournal of Corporate Real Estate, 14(1), 21149 doi 10.1108/14630011211231428
- Raw, G. (1998). Tackling Sick Building Syndrome, British Research Establishment, Ltd: UK.
- Ries, R.B., Gokhan, M. M., Needy, N. M. & Lascola, K. (2006). The economic benefits of green buildings a comprehensive case study. *Engineering Economist.*\*\*Retrieved\*\* from http://www.entrepreneur.com/tradejournals/article/print/152374315.html
- Robson, C. (2002). Real World Research, (2nd ed.). Oxford: Blackwell.
- Roderick, Y., McEwan, D., Wheatley, C. & Alonso, C. (n.d.). A comparative study of building energy performance assessment between LEED, BREEAM and Green Star schemes, Kelvin Campus, West of Scotland Science Park, Glasgow.

- Rutkauskas, J. & Paulavicien, E. (2005). Concept of productivity in service sector. International Journal of Operations and Production Management, 22 (11), 1222-1245. doi:10.1108/01443570210450293
- Saari, A., Tissari, T., Valkama, E. & Sepanen, O. (2005). The effect of a redesigned floor plan, occupant density and the quality of indoor climate on the cost of space, productivity and sick leave in an office building—A case study, *Building and Environment*, 41 (2006), 1961-1972.
- Saunders, M., Lewis, P. & Thornhill, A., (2009), Research methods for business Students. 5th ed. Harlow: Pearson Education Limited.
- Sinclair M. (2007) Editorial: A guide to understanding theoretical and conceptual frameworks. *Evidence Based Midwifery*, 5(2). 39.
- Singh, A., Syal, M.G., Korkmaz, S., Grady, S., Berghorn, G. & Li, Q. (2009). Life cycle cost analysis of occupant well-being and productivity in LEED® offices. Michigan State University.
- Singha, A. Gupta, R. & Kutnar, A. (2013). Sustainable development and green buildings. (review papers, Drynge Industrija, 864 (1) 145153 (2013).

  www.lib.mrt.ac.lk
- Spratt, C., Walker, R. & Robinson, B. (2004). *Module A5: mixed research methods*. ISBN 1-894975-14-6.
- Statistics Solutions. (2013). Data analysis plan: Ordinal Regression [WWW Document]. Retrieved from http://www.statisticssolutions.com/data-analysis-plan-ordinal-regression/
- Sullivan, J., Baird, G. & Donn, M.(2013). Measuring productivity in the office workplace, Centre for Building Performance Research: Victoria University of Wellington.
- Sutrisna, M. (2004) Developing a knowledge based system for the valuation of variations in civil engineering works, (PhD thesis), University of Wolverhampton, Wolverhampton.

- Takim, R, Akintoye, A. & Kelly, J. (2004) Analysis of measures of construction project success in Malaysia. In: Khosrowshahi, F (Ed.), 20th Annual ARCOM Conference, 1-3 September 2004, Heriot Watt University. Association of Researchers in Construction Management, Vol. 2, 1123-33.
- The Layers of Veterinary Financial Success. (n.d.). *Employee satisfaction & productivity*. Vet Help Consulting.
- The Review Paper on Sustainability. (1996). Building Design and Construction, Photovoltaic Fundamentals, 4.
- United States Environmental Protection Agency USEPA. (2009). Definition of green building. U.S. Environmental Protection Agency.
- Urban Catalyst Associates. (2005). Case studies of sustainable development in Michigan, University of Michigan: Michigan.
- Wallhagen, M. (2010). Environmental Assessment of Buildings and the influence on architectural design (Master's thesis). Royal Institute of Technology, Stockholm, Sweden.

  Electronic Theses & Dissertations

www.lib.mrt.ac.lk
 Westerberg, U. & Glaumann, M. (2002). Weighting health risks in buildings and outdoor environment. (PHD Thesis). University of Gävle, Stockholm, Sweden.

- Wooley, C. M. (2009). Meeting the Mixed Methods Challenge of Integration in a Sociological Study. *Journal of Mixed Methods Research*. 3(7). doi: 10.1177/1558689808325774.
- World Commission on Environment and Development. (1987), Our Common Future, New York: Oxford University Press, 1987.
- Yin, R. K. (2003). Case study research design and methods. (3rd ed.). USA: Sage.
- Yin, R. K. (2009). Case study research design and methods. (4th ed.). USA: Sage.

Yu, C. W. F. & Kim, J. T. (2011). Building environmental assessment schemes for rating of IEQ in sustainable buildings. *Sustainable Healthy Buildings*, 121-142.

