

LIST OF REFERENCES

- Ahamed, I. (2016). Road Safety Situation in Bangladesh. DC Traffic West Division, DMP, Bangladesh Police. Dhaka.
- Akter, T. & Pervaz, S. (2019). Assessing Motorcycle Accident and Injury Characteristics in Dhaka Metropolitan City. Retrieved on 23rd October, 2022 from <https://www.Researchgate.net/publication/337563331>
- Albalate, D. & Villadangos L.F. (2009). Exploring Determinants of Urban Motorcycle Accident Severity: The Case of India. Retrieved on 24th January, 2023 from <https://deliverypdf.ssrn.com/delivery.php?ID>
- AlicioDlu, B., Yalniz, E., Edkin, D., & Yilmaz, B. (2008). Injuries associated with Motorcycle Accidents. *Acta Orthopaedica et Traumatologica*, 42, pp. 106-111.
- Allison, P. D. (2008). Convergence Failures in Logistic Regression. In SAS Global Forum, paper 360, pp. 1–11.
- Amarasingha, A. (2015). Characteristics of Motorcycle Crashes. *International Research Conference*. 30(8). 153-155. Retrieved on 02nd September, 2022 from <http://ir.kdu.ac.lk/handle/345/1341>
- Amarasingha, A. (2015). Characteristics of Motorcycle Crashes. *International Research Conference*. 30(8). 153-155. Retrieved on 02nd September, 2022 from <http://ir.kdu.ac.lk/handle/345/1341>
- Amarasingha, N. (2021). Risk Factors of Crashes Involving Motorcycles in Sri Lanka. *Journal of South Asia Logistics and Transport*. 1(2). Retrieved on 19th September, 2022 from <http://doi.org/10.4038/jsalt.v1i2.31>
- Arif, U.A., Khandaker, T.H., & Mallik, A.H. (2019). Identification of Urban Traffic Accident Hotspot Zones Using GIS: A Case Study of Dhaka Metropolitan Area. *Journal Geographical Studies*. 3(1). pp.36-42.
- Asgharpour, S., Javadinasra, M., Bayati, Z. & Mohammadian, A. (2019). Investigating Severity of Motorcycle-Involved Crashes in a Developing Country. Retrieved on 19th September, 2022 from <https://annualmeeting.mytrb.org/OnlineProgram/Details/17578>
- Aslam, M., Taj, T., Syed Arif Ali, Mirza, W., & Badar, N. (2008). Non-Fatal Limb Injuries in Motorbike Accidents. *Journal of the College of Physicians and Surgeons Pakistan*. 18(10). pp. 635-8.
- Ayinla, O.T., Gboyega, A., Sarah, E.A., Olusegun, O.S., & Olugbenga, A.J. (2012). Factors Influencing High Rate of Commercial Motorcycle Accidents in Nigeria. *American International Journal of Contemporary Research*. 2(1). pp.130-140.

- Behera, C., Rautji, R., & Dogra, T.D. (2009). Patterns of Injury seen in Deaths from Accidental Falls Down a Staircase: a study from South Delhi. *Journal of Medicine, Science and the Law*. 49(2), pp.127-131.
- Das, S., Tamakloe, R., Zubaidi, H., Obaid, I., & Alnedawi, A. (2021). Fatal Pedestrian Crashes at Intersections: Trend Mining using Association Rules. *Accident Analysis & Prevention*. 160. pp. 106-306.
- Department of Motor Traffic. (2018). Retrieved on 12th January, 2023 from https://www.dmt.gov.lk/images/PDF/statistics/MONTHLY_NEW_REGISTRATION_OF_MOTOR_VEHICLES_-_2018.pdf
- Department of Motor Traffic. (2018). Retrieved on 12th January, 2023 from www.dmt.gov.lk/images/PDF/statistics/MONTHLY_NEW_REGISTRATION_OF_MOTOR_VEHICLES_-_2019.pdf
- Devasurendra, K.W. (2016). *Accident Analysis Beyond Descriptive Statistics*. University of Moratuwa. Retrieved on 23rd January, 2023 from <http://dl.lib.uom.lk/bitstream/handle/123/12312/pre-text.pdf?sequence=1>
- Dharmaratne, S.D., Jayatilleke, A.U., & Jayatilleke, A. (2015). Road Traffic Crashes, Injury and Fatality Trends in Sri Lanka: 1938-2013. *Bulletin of the World Health Organization*. 93, pp. 640-647.
- European Association of Motorcycle Manufacturers (EAMM). (2003). *In-Depth Investigation of Motorcycle Accidents*. Bruxelles: European Association of Motorcycle Manufacturers.
- European Commission. (2020). *Motorcyclists and moped riders*. Retrieved on 09th August, 2022 from https://road-safety.transport.ec.europa.eu/system/files/2021-07/facts_figures_p2w_final_20210323.pdf
- Farid, A., Alrejgal, A. & Ksaibati, K. (2021) Two-Lane Highway Crash Severities: Correlated Random Parameters Modeling versus Incorporating Interaction Effects. *Transportation Research Record: Journal of the Transportation Research Board*, 2675, pp. 565-575. <https://doi.org/10.1177/03611981211018473>
- Federation of European Motorcyclists' Association. (2020). *Motorcycle Safety and Accidents in Europe*. Retrieved on 19th September, 2022 from <http://www.fema-online.eu/website/index.php/2016/08/05/motorcycle-safety-and-accidents>
- Fildes, B., Newstead, S., Rizzi, M., Fitzharris, M. & Budd, L. (2015). Adoption of Anti-lock Braking Systems (ABS) for Motorcycles in Australia, Monash University, Australia.
- Greenwood, P.E., & Nikulin, M.S. (1996). *A Guide to Chi-Squared Testing*. Retrieved on 22nd February, 2023 from <https://www.semanticscholar.org/paper/A-Guide-to-Chi-Squared-Testing>.

- Halbersberg, D., & Lerner, B. (2018). Young Driver Fatal Motorcycle Accident Analysis by Jointly Maximizing Accuracy and Information. *Accidents Analysis and Prevention*. 129. pp. 350-361. <https://doi.org/10.1016/j.aap.2019.04.016>.
- Harnen, S., Umar, R.S., Wong, S.V., & Wan Hashim, W.I. (2006). Motorcycle Accident Prediction Model for Junctions on Urban Roads in Malaysia. *Advances in Transportation Studies an international Journal Section*.
- Heemskerk, M., Wilson, K., Pavao-Zuckerman, M. (2003). Conceptual Models as Tools for Communication across Disciplines. *Conservation Ecology* 7 (3). pp. 8-13.
- Hofling, I., Keinanen, P., Kroger, H. (2006). Injuries caused by Motorcycle Accidents – a 5 Year Survey of Patients treated in Kuopio University Hospital. *Suomen Ortopedia ja Traumatologia*. 29(3). pp. 243-247.
- Hsu, T. & Wen, K. (2017). Collision Types of Motorcycle Accident and Countermeasures. *World Congress on Civil, Structural, and Environmental Engineering*.
- Hsu, T., Sadullah, A.F.M., Dao, N.X. (2003). A Comparison Study on Motorcycle Traffic Development in Some Asian countries – Case of Taiwan, Malaysia and Vietnam. Retrieved on 04th August, 2022 from <https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.460.2229&rep=rep1&type=pdf>
- Huang, B. & Preston, J. (2004). A Literature Review on Motorcycle Collisions Final Report. Transport Studies Unit - Oxford University.
- Iamtrakul, P., Hokao, K. & Tanaboriboon, Y. (2003). Analysis of Motorcycle Accidents in Developing Countries: A Case Study of Khon Kaen, Thailand. *Journal of the Eastern Asia Society for Transportation Studies*. 5. 147-162. Retrieved on 05th December, 2022 from <https://www.researchgate.net/publication/228415561>
- Indriastuti, A.K. & Sulistio, H. (2010). Influencing Factors on Motorcycle Accident in Urban Area of Malang, Indonesia. *International Journal of Academic Research*. 2(5). pp. 252-255. Retrieved on 08th September, 2022 from
- Jayaratne, M.D.R.P. & Kumarage, A.S. (2005). Analysis of Trends in Fatal Accidents of Vulnerable Road Users in Sri Lanka. Retrieved on 19th September, 2022 from <https://kumarage.files.wordpress.com/2015/03/2005-p-03-rsanalysis-of-trends-in-fatal-accidents-of-vulnerable-road-users-in-sri-lanka-int-conf-of-road-safety-in-four-conts-poland-2.pdf>

- Jayasundara, D.R.T. & Magalla, C.H. (2014). Accidents Involving Guilty Car Drivers in Sri Lanka. KDU International Research Conference. Pp.117-121. Retrieved on 23rd February, 2023 from <http://ir.kdu.ac.lk/handle/345/1524>
- Jayasundara, D.R.T., Viswakula, S. & Magalla, C.H. (2017). Influencing Factors to the Number of Other Vehicles involved in Light Vehicle Accidents in Sri Lanka: One-Inflated Poisson Regression Approach. Annual Research Symposium. University of Colombo. 266.
- Jointly Maximizing Accuracy and Information. Accident Analysis and Prevention, Vol. 129,
- Karmegam, K., Sapuan, S.M., Ismail, M.Y. & Ismail, N. (2013). Motorcyclist's Riding Discomfort in Malaysia: Comparison of BMI, Riding Experience, Riding Duration and Riding Posture. Human Factors and Ergonomics in Manufacturing. 23(4). DOI:10. 1002/hfm.20317
- Kodithuwakku, D.S. & Pieris, T.S.G. (2021). Factors Influencing for Severity of Road Traffic Accidents in Sri Lanka. Sri Lankan Journal of Applied Statistics, Vol (22-1). Pp. 1-12. Retrieved on 12th January, 2023 from [Factors-Influencing-for-Severity-of-Road-Traffic-Accidents-in-Sri-Lanka.pdf](#) (researchgate.net)
- Komba, D.D. (2006). Risk Factors and Road Traffic Accidents in Tanzania: A Case Study of Kibaha District. Retrieved on 28th August, 2022 from <https://ntnuopen.ntnu.no/ntnu-xmlui/handle/11250/265211>
- Konlan, K.D. & Hayford, L. (2022). Factors associated with Motorcycle-related Road Traffic Crashes in Africa, a Scoping review from 2016 to 2022. Retrieved on 03rd February, 2023 from [s12889-022-13075-2.pdf](#)
- Kumarage, A.S., Wickramasinghe, S.M. & Jayaratne, M.D.R.P. (2003). Analysis of Road Accidents in Sri Lanka: for year 2001 & 2002, Colombo, Sri Lanka. Retrieved on 29th October, 2022 from <https://www.researchgate.net/publication/311375277>
- Laksanakit, C. & Taneerananon, P. (2014). Motorcycle Defects on Motorcycle Safety in Thailand. APTE Conference. 178-190. Retrieved on 20th December, 2022 from <http://dl.lib.uom.lk/handle/123/13540>
- Manan, M. (2014). Factors Associated with Motorcyclists' Safety at Access Points along Primary Roads in Malaysia. Lund University.
- Manan, M.M.A. & Varhelyi, A. (2012). Motorcycle Fatalities in Malaysia. IATSS Research. 36.30-39. Retrieved on 08th January, 2023 from <https://www.sciencedirect.com/science/article/pii/S0386111212000076>

- Manan, M.M.A., Ho, J.S., Tajul, S.T.M.S., Arif, M.R., Ghani, A.V.A. (2006). Factors associated with Motorcyclists' Speed Behaviour on Malaysian Roads, *Transp. Res. Part F Traffic Psychol.*50. pp. 109–127.<https://doi.org/10.1016/j.trf.2017.08.006>.
- Marasini, G., Caleffi, F., Machado, L.M., & Pereira, M.B. (2022). Psychological Consequences of Motor Vehicle Accidents: A Systematic Review. *Transportation Research Part F: Psychology and Behaviour.*89. pp.249-264.
- Marizwan, M., Manan, A., Várhelyi, A., Kemal, A. & Hanis. H. (2018). Road Characteristics and Environment Factors Associated with Motorcycle Fatal Crashes in Malaysia. *IATSS Research.* Vol. 42, No. 4, pp. 207–220. <https://doi.org/10.1016/j.iatssr.2017.11.001>.
- Ministry of Road Transport and Highways. (2017). Annual Report. Retrieved on 17th January, 2023 from <https://morth.nic.in/sites/default/files/Annual-Report-2017-18.pdf>
- Ministry of Transport. (2019). National Council for Road Safety Retrieved on 29th January, 2023 from www.transport.gov.lk/web/index.php?option=com_content&view=article&id=29&Itemid=149&lang=en#2019-vehicle-accidents
- National Centre for Injury Prevention and Control (NCIPC). (2016). Retrieved on 06th February, 2023 from <https://www.cdc.gov/transportationsafety/>
- National Safety Council. (2022). Retrieved on 03rd January, 2023 from <https://annualreport.nsc.org/safe-driving/>
- Nguyen, H.H., (2018). A Comprehensive Review of Motorcycle Safety Situation in Asian Countries. *Journal of Society for Transportation and Traffic Studies (JSTS).* 4(3). 20-29. Retrieved on 15th December, 2022 from <https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.673.804&rep=rep1&type=pdf>
- Nyagwui A.E., Fredinah, N., Che, L.B., & Yulia, B. (2016). Motorcycle Injury among Secondary School Students in the Tiko Municipality, Cameroon. *The Pan African Medical Journal.* DOI: 10.11604/pamj.2016.24.116.5069
- OECD. (2015). Retrieved on 15th January, 2023 from <https://www.oecd.org/pisa/pisa-2015-results-in-focus.pdf>
- Paine, M., Paine, D., Haley, J., & Cockfeild, S. (2005). Day Light Running Lights for Motorcycles. Retrieved on 04th January, 2023 from https://www.researchgate.net/publication/333078532_Daytime_running_lights_DRL_for_Motorcycles
- Pervez, A., Lee, J., & Huang, H. (2021). Identifying Factors Contributing to the Motorcycle Crash Severity in Pakistan. *Journal of Advanced Transportation.* 2021. <https://doi.org/10.1155/2021/6636130>.

- Plankermann, K. (2013). Human Factors as Causes for Road Traffic Accidents in the Sultanate of Oman under Consideration of Road Construction Designs.
- Rathnaweera, R.H.A.I. & Gunarathna, E.G.U.N. (2020). Characteristics and Factors Associated with Injuries Sustained by Motorcycle Occupants Admitted to Teaching Hospital, Karapitiya, Sri Lanka from 2010 to 2014. *Medico-Legal Journal of Sri Lanka*. 8(20). 13-21.
- Royal Thai Police. (2013). Retrieved on 20th December, 2022 from www.aseanapol.org/information/royal-thai-police
- Samadhi D.A.H. & Ruwanpura, P.R. (2019). Analysis of Injury Patterns of Motorcycle Riders Admitted to Teaching Hospital, Karapitiya, Sri Lanka, *Medico-Legal Journal of Sri Lanka*, 7(2). 42-50. Retrieved on 19th September, 2022 from <https://mljsl.sljol.info/articles/abstract/10.4038/mljsl.v7i2.7398/>
- Sarkar S.K., Midi H., Rana S. (2010). Detection of Outliers and Influential Observations in Binary Logistic Regression: An empirical study. *Journal of Applied Sciences*, pp26-35.
- Savolainen, P., Mannering, F., Lord, D. & Quddus, M. (2011). The Statistical Analysis of Highway Crash-Injury Severities: A Review and Assessment of Methodological Alternatives. *Accident Analysis and Prevention*. 43. pp. 1666-1676.
- Schepers, J.P., Kroeze, P.A., Smeets, W., & Wust, J.C. (2011). Road factors and Bicycle-motor Vehicle Crashes at Unsignalized Priority Intersections. *Accident Analysis and Prevention*, 43(3), pp. 853–861
- SenadeeRa, W.A.J.K. (2016). Analyzing Traffic Accidents in Gampaha District Colombo - Kandy Road. Retrieved on 13th November, 2022 from <http://dr.lib.sjp.ac.lk/handle/>
- Senaviratna N.A.M.R. & Cooray, T.M.J.A. (2019). Detecting Multicollinearity of Binary Logistic Regression Model: An Analysis of Motorcycle Accidents in Sri Lanka. *International Multidisciplinary Research Journal*. 58-64. Retrieved on 01st October, 2022 from <https://www.researchgate.net/publication/329736837>
- Seva, R.R., Flores, G.M.T., Gotohio, M.P.T., Paras, N.G.C. (2013). Logit Model of Motorcycle Accidents in the Philippines considering Personal and Environmental Factors. *International Journal for Traffic and Transport Engineering*. 3(2). pp. 173-184. DOI: [http://dx.doi.org/10.7708/ijtte.2013.3\(2\).06](http://dx.doi.org/10.7708/ijtte.2013.3(2).06)
- Shaheed, M.S., Gkritza, K. (2014). A Latent Class of Single-Vehicle Motorcycle Crash Severity Outcomes. *Analytic Methods in Accident Research*. 2. pp. 30-38.

- Shajith, S. L. A. (2018). Motorcycle Accident Analysis in Sri Lanka, University of Moratuwa. Retrieved on 12th December, 2022 from <http://dl.lib.uom.lk/handle/123/14115#:~:text=Motorcycles%20comprise%20nearly%2030%25%20of%20the%20traffic%20flow,identify%20the%20risk%20factors%20invol>
- Shajith, S.L.A., Pasindu, H.R. & Ranawaka, R.K.T.K. (2019). Evaluating the Risk Factors in Fatal Accidents involving Motorcycle – Case Study on Motorcycle Accidents in Sri Lanka. *Engineer*. Vol. 15, No. 03, pp. 33-42. DOI: Retrieved on 03rd August, 2022 from <http://doi.org/10.4038/engineer.v52i3.7363>.
- Sivasankaran, S.K., Rangam, H. & Balasubramanian, V. (2021). Investigation of Factors contributing to Injury Severity in Single Vehicle Motorcycle Crashes in India, *International Journal of Injury Control and Safety Promotion*. Retrieved on 09th December, 2022 from <https://doi.org/10.1080/17457300.2021.1908367>
- Smith, A. & Smith, H. (2017). Perceptions of Risk Factors for Road Traffic Accidents. *Advances in Social Sciences Research Journal*. 4(1). 140-146. Retrieved on 19th September, 2022 from https://www.researchgate.net/publication/312844372_Perceptions_of_risk_factors_for_road_traffic_accidents
- Sohadi, R.U.R., Mackay, M., & Hills, B. (2000). Multivariate Analysis of Motorcycle Accidents and the Effects of Exclusive Motorcycle Lanes in Malaysia. *Journal of Crash Prevention and Injury Control*. 2(1). pp. 11-17.
- Spornier, A., & Kramlich, T. (2003). *Motorcycle Braking and Its Influence on Severity of Injury*. München: Institute for Vehicle Safety.
- Sreejesh, S., Mohapatra, S., & Anusree, M. R. (2014) “Business Research Methods”, Springer, USA, 2013. Retrieved on 12th February, 2023 on https://www.researchgate.net/publication/258227256_16_Sreejesh_S_Mohapatra_S_Anusree_M_R_Business_Research_Methods_Springer_USA_2013.
- Suraji, A. & Tjahjonoroad, A. (2012). A Confirmatory Factor Analysis of Accidents Caused by the Motorcycle Aspect in Urban Area. *International Journal for Traffic and Transport Engineering*. 2(1). 60-69. Retrieved on 13th October, 2022 from <https://www.researchgate.net/publication/235948799>
- Traffic Police Statistics. (2017). Ministry of Transport and Highways. Retrieved from 23rd January, 2023 from https://www.transport.gov.lk/web/index.php?option=com_content&view=article&id=29&Itemid=149&lang=en#type-of-vehicles-involved-in-accidents

- Umniyatun, Y., Nurmansyah, M.I., Farradika, Y., Purnama, T.B., & Hidayat, D.N. (2021). Motorcycle Risky Behaviours and Road Accidents among Adolescents in Jakarta Metropolitan Area, Indonesia. *International journal of injury control and safety promotion*, 28(3), pp.339–346. <https://doi.org/10.1080/17457300.2021.1928229>
- Wahab, L., & Jiang, H. (2019). A Comparative Study on Machine Learning based Algorithms for Prediction of Motorcycle Crash Severity. 14(4). pp. 123-126.
- WHO. (2013). World Health Statistics. Retrieved on 18th December, 2022 from https://www.afro.who.int/sites/default/files/2017-06/9789240690837_eng.pdf
- WHO. (2015). World Health Statistics. Retrieved on 18th December, 2022 from https://apps.who.int/iris/bitstream/handle/10665/170250/9789240694439_eng.pdf?sequence=1&isAllowed=y
- WHO. (2017). World Health Statistics. Retrieved on 18th December, 2022 from <https://apps.who.int/iris/bitstream/handle/10665/255336/9789241565486-eng.pdf?sequence=1>
- WHO. (2018). World Health Statistics. Retrieved on 18th December, 2022 from <http://www.who.int/docs/default-source/gho-documents/world-health-statistic-reports/6-june-18108-world-health-statistics-2018.pdf>
- WHO. (2020). World Health Statistics. Retrieved on 18th December, 2022 from <http://who.int/iris/bitstream/handle/10665/332070/9789240005105-eng.pdf>
- Yang, L., Jun, Q., Guo-dong, L., Ji- Hong, Z., Liang Z., Zheng-Guo, W., Xin-cai, Z. & Ahi-quan, J. (2006). Motorcycle Accidents in China. *Chinese Journal of Traumatology*. 243-246.
- Zach. (2020). The 6 Assumptions of Logistic Regression. *Statology*. Retrieved on 12th January, 2023 from <https://www.statology.org/assumptions-of-logistic-regression/>