

Raaj Kishore Biswas

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Personal Details

Date of Birth : September 09, 1992
Language : Bangla (Native), English (Fluent)
Website : raajbiswas.com
Google Scholar : [Raaj Kishore Biswas](https://scholar.google.com/citations?user=RaajKishoreBiswas)
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Education

- Doctor of Philosophy - Scientia PhD, Transport and Road Safety (TARS) Research, School of Aviation, University of New South Wales, Australia
Degree tenure: 2018-2022
 - M.Sc. in Advanced Research, School of Agricultural, Computational and Environmental Sciences, University of Southern Queensland, Australia
Degree tenure: 2016-2017, Result: CGPA 7.00/7.00
 - M.Sc. in Applied Statistics, Institute of Statistical Research & Training, University of Dhaka, Bangladesh
Degree tenure: 2014-2015, Result: CGPA 3.62/4.00
 - B.Sc. in Applied Statistics, Institute of Statistical Research & Training, University of Dhaka, Bangladesh
Degree tenure: 2010-2014, Result: CGPA 3.60/4.00
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Skills

- Data Management & Analysis – Completed four years of Bachelor, one year of course-based Masters totaling 170 credits, and two years research Masters, which included the materials on managing and analyzing data, both theoretical and practical.
 - Technical – Adept in using R, Python, STATA & SPSS. Efficient in using LaTeX, Adobe Creative Cloud & MS applications.
 - Verbal – Lectured at tertiary level institutions in Australia and supervised postgraduate students. Various research projects were presented and defended in conferences. Completed certified courses at AGSM - UNSW Business school and National Institute of Dramatic Arts (NIDA) on presentation.
 - English Language Proficiency – IELTS Score: 8.5 (Listening - 9.0, Reading - 9.0, Writing - 7.5, Speaking - 7.5).
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Experience

Office

- Research Biostatistician at The Clinical Research Centre, Sydney Local Health District, NSW Health, Sydney, Australia
Duration : 03/2021 to present
- Senior Data Analyst at Epidemiology and Surveillance, Public Health Response Branch at NSW Health, NSW Health, Sydney, Australia
Duration : 03/2022 to 06/2022

- Research Officer - Biostatistician at The Matilda Centre for Research in Mental Health and Substance Use, University of Sydney, Sydney, Australia
Duration : 10/2019 to 10/2020
- Research Assistant (Statistician) and Sessional Lecturer at The Department of Health Science and Biostatistics, Swinburne University, Melbourne, Australia
Duration : 05/2018 to present
- Chair of Young Statistical Network, Statistical Society of Australia (SSA), Belconnen ACT 2616, Australia
Duration : 12/2016 to 03/2020
- Academic Tutor & Routine Marker at University of Southern Queensland, Toowoomba, QLD
Duration : Semester 1, 2016 to Semester 3, 2017
- Research Associate (part-time) at BAPSA (Bangladesh Association for Prevention of Septic Abortion)
Duration : 12/2014 to 10/2015
- Statistical Officer (part-time) at icddr,b (International Centre for Diarrhoeal Disease Research, Bangladesh)
Duration : 12/2014 to 12/2015

Academic Papers

- Bhowmik, J. and Biswas, R.K., 2022. Knowledge About HIV/AIDS and Its Transmission and Misconception Among Women in Bangladesh. *International Journal of Health Policy and Management*.
- Biswas, R.K., Arusha, A.R., Ananna, N., Kabir, E. and Bhowmik, J., 2022. Carer involvement with children and child-friendly book ownership in Bangladesh. *Children & Society*.
- Lau, N.S., Ly, M., Liu, K., Majumdar, A., Strasser, S.I., Biswas, R.K., McCaughan, G.W., Crawford, M. and Pulitano, C., 2022. Is it safe to expand the indications for split liver transplantation in adults? A single-center analysis of 155 in-situ splits. *Clinical Transplantation*, p.e14673.
- Polašek, O., Wazny, K., Adeloye, D., Song, P., Chan, K.Y., Bojude, D.A., Ali, S., Bastien, S., Becerra-Posada, F., Borrescio-Higa, F., Biswas, R.K. et al, 2022. Research priorities to reduce the impact of COVID-19 in low-and middle-income countries. *Journal of Global Health*, 12.
- Khan, J.R., Biswas, R.K., Hossain, M.B. and Archie, R.J., 2022. Residential area greenness and hypertension: a national assessment on urban adults in Bangladesh. *International Journal of Environmental Health Research*, pp.1-13.
- Bhowmik, J. and Biswas, R.K., 2022. Married Women's Attitude toward Intimate Partner Violence Is Influenced by Exposure to Media: A Population-Based Spatial Study in Bangladesh. *International journal of environmental research and public health*, 19(6), pp.3447.
- Milosevic, M., Biswas, R.K., Innes, L., Ng, M., Darendeliler, A.M., Wong, A. and Denney-Wilson, E., 2022. P2/N95 filtering facepiece respirators: results of a large-scale quantitative mask fit testing program in Australian healthcare workers. *American journal of infection control*, 50(5), pp.509-515.
- Khan, J.R., Biswas, R.K. and Islam, M.M., 2021. Relationship between blood pressure and body mass index in young adult population: A national-level assessment in Bangladesh. *British Journal of Nutrition*, pp.1-20.
- GBD 2019 Adolescent Mortality Collaborators, 2021. Global, regional, and national mortality among young people aged 10–24 years, 1950–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 398(10311), pp.1593-1618.
- Khan, J.R., Sultana, A., Islam, M. and Biswas, R.K., 2021. A negative association between prevalence of diabetes and urban residential area greenness detected in nationwide assessment of urban Bangladesh. *Scientific Reports*, 11(1), pp.1-9.

- GBD 2019 Under-5 Mortality Collaborators, 2021. Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. *The Lancet*, 398(10303), pp.870-905.
- Stapinski, L.A., Prior, K., Newton, N.C., Biswas, R.K., Kelly, E., Deady, M., Lees, B., Teesson, M. and Baillie, A.J., 2021. Are we making Inroads? A randomized controlled trial of a psychologist-supported, web-based, cognitive behavioral therapy intervention to reduce anxiety and hazardous alcohol use among emerging adults. *EClinicalMedicine*, 39, p.101048.
- Afiaz, A., Arusha, A.R., Ananna, N., Kabir, E. and Biswas, R.K., 2021. A national assessment of elective cesarean sections in Bangladesh and the need for health literacy and accessibility. *Scientific reports*, 11(1), pp.1-12.
- Afiaz, A. and Biswas, R.K., 2021. Awareness on menstrual hygiene management in Bangladesh and the possibilities of media interventions: using a nationwide cross-sectional survey. *BMJ open*, 11(4), p.e042134.
- Biswas, R.K., Friswell, R., Olivier, J., Williamson, A. and Senserrick, T., 2021. A systematic review of definitions of motor vehicle headways in driver behaviour and performance studies. *Transportation research part F: traffic psychology and behaviour*, 77, pp.38-54.
- Bhowmik, J., Biswas, R.K. and Hossain, S., 2021. Child marriage and adolescent motherhood: a nationwide vulnerability for women in Bangladesh. *International journal of environmental research and public health*, 18(8), p.4030.
- Irteja, I.M., Biswas, R.K. and Rasheda, K., 2020. Effect of internet use and electronic game-play on academic performance of Australian children. *Scientific Reports*, 10(1).
- Biswas, R.K., Huq, S., Afiaz, A. and Khan, H., 2020. A systematic assessment on COVID-19 preparedness and transition strategy in Bangladesh. *Journal of Evaluation In Clinical Practice*, 15(7), p.e0236670.
- LBD Disease Diarrhoea Collaborators, 2020. Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000–17. *The Lancet Global Health*, 8(8), pp.e1038-e1060.
- LBD WaSH Collaborators, 2020. Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000–17. *The Lancet Global Health*, 8(9), pp.e1162-e1185.
- Hossain, S., Chowdhury, P.B., Biswas, R.K. and Hossain, M.A., 2020. Malnutrition status of children under 5 years in Bangladesh: A sociodemographic assessment. *Children and Youth Services Review*, 117, p.105291.
- Afiaz, A., Biswas, R. K., Shamma, R., and Ananna, N., 2020. Intimate partner violence (IPV) with miscarriages, stillbirths and abortions: Identifying vulnerable households for women in Bangladesh. *PloS one*, 15(7), p.e0236670.
- Arusha, A.R. and Biswas, R.K., 2020. Prevalence of Stress, Anxiety and Depression due to Examination in Bangladeshi Youths: A Pilot Study. *Children and Youth Services Review*, 105254.
- Biswas, R.K., Rahman, N., Islam, H., Senserrick, T. and Bhowmik, J., 2020. Exposure of mobile phones and mass media in maternal health services use in developing nations: evidence from Urban Health Survey 2013 of Bangladesh. *Contemporary South Asia*, pp.1-14.
- Hossain, S., Biswas, R.K. and Hossain, M.A., 2020. Body mass index of women in Bangladesh: comparing Multiple Linear Regression and Quantile Regression. *Journal of Biosocial Science*, pp.1-19.
- LBD Diarrhoea Collaborators, 2020. Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000–17: analysis for the Global Burden of Disease Study 2017. *The Lancet*, 395(10239), pp.1779-1801.
- Bhowmik, LBD Double Burden of Malnutrition Collaborators, 2020. Mapping local patterns of childhood overweight and wasting in low-and middle-income countries between 2000 and 2017. *Nature medicine*, 26(5), p.750.

- Bhowmik, J., Biswas, R.K. and Ananna, N., 2020. Women's education and coverage of skilled birth attendance: An assessment of Sustainable Development Goal 3.1 in the South and Southeast Asian Region. *PloS one*, 15(4), p.e0231489.
- Khan, J.R., Islam, M.M., Biswas, R.K. and Sultana, A., 2020. An assessment of anemia status of child-mother pairs in Bangladesh. *Children and Youth Services Review*, p.104851.
- Biswas, R.K., Sarker, E.B., Kabir, E. and Senserrick, T., 2020. Presence of books for children in the households of Bangladesh: a district-wise distribution. *Reading & Writing Quarterly*, 36(1), pp.65-79.
- Biswas, R.K., Rahman, N., Khanam, R., Baqui, A.H. and Ahmed, S., 2019. Double burden of underweight and overweight among women of reproductive age in Bangladesh. *Public health nutrition*, , 22(17), pp.3163-3174.
- Biswas, R.K., Khan, J.R. and Kabir, E., 2019. Trend of child marriage in Bangladesh: A reflection on significant socioeconomic factors. *Children and Youth Services Review*, Vol. 104.
- Biswas, R.K., Kabir, E. and Khan, H.T., 2019. Causes of Urban Migration in Bangladesh: Evidence from the Urban Health Survey. *Population Research and Policy Review*, 1-22.
- Bhowmik, J., Biswas, R.K. and Woldegiorgis, M., 2019. Antenatal care and skilled birth attendance in Bangladesh are influenced by female education and family affordability: BDHS 2014. *Public health*, vol. 170, 113-121.
- Khan, J.R., Biswas, R.K., Sheikh, M.T. and Huq, M., 2019. Factors associated with the availability of iodized salt at household level: a case study in Bangladesh. *Public health nutrition*, 1-9.
- Khan, J.R., Biswas, R.K. and Kabir, E., 2019. A quantitative approach to influential factors in One Day International cricket: Analysis based on Bangladesh. *Journal of Sports Analytics*, 5(1), pp.57-63.
- Abdullah, A.Y.M., Biswas, R.K., Chowdhury, A.I. and Billah, S.M., 2019. Modeling soil salinity using direct and indirect measurement techniques: A comparative analysis. *Environmental Development*, 29, pp.67-80.
- Biswas, R.K., Kabir, E. and Khan, H.T., 2019. Socioeconomic transition and its influence on body mass index (BMI) pattern in Bangladesh. *Journal of evaluation in clinical practice*, 25(1), pp.130-141.
- Vu, X.B.B., Biswas, R.K., Khanam, R. and Rahman, M., 2018. Mental health service use in Australia: The role of family structure and socio-economic status. *Children and Youth Services Review*, 93, pp.378-389.
- Biswas, R.K. and Kabir, E., 2018. A macro-level approach to assess the early developmental vulnerabilities of children in Australia: A local government area-based analysis. *Children and Youth Services Review*, 93, pp.161-169.
- Biswas, R.K., Kabir, E. and Rafi, R.B.R., 2018. Investment in research and development compared to military expenditure: is research worthwhile?. *Defence and Peace Economics*, pp.1-12.
- Biswas, R.K., Kabir, E. and King, R., 2017. Effect of sex and age on traumatic brain injury: a geographical comparative study. *Archives of Public Health*, 75(1), p.43.
- Biswas, R.K., Rahman, N., Kabir, E. and Raihan, F., 2017. Women's opinion on the justification of physical spousal violence: A quantitative approach to model the most vulnerable households in Bangladesh. *PloS one*, 12(11), p.e0187884.
- Biswas, R.K. and Kabir, E., 2017. Influence of distance between residence and health facilities on non-communicable diseases: An assessment over hypertension and diabetes in Bangladesh. *PloS one*, 12(5), p.e0177027.
- Biswas, R.K., Masud, M.S. and Kabir, E., 2015, October. Shewhart control chart for individual measurement: an application in a weaving mill. In Proceedings of the 2015 Melbourne International Business and Social Science Research Conference. *Australasian Journal of Business, Social Science and Information Technology*, 2(2).

Conferences

- Second International Conference on Theory and Application of Statistics, 2015 organized by Dhaka University Statistics Department Alumni Association (DUSDAA)
Date : 27-29 December, 2015 Venue : Dhaka, Bangladesh
- Australian Statistical Conference 2016 organized by Statistical Society of Australia (SSA)
Date : 5-9 December, 2016 Venue : Canberra, Australia
- Science Meets Parliament organized by Science & Technology Australia (STA) - attended as a delegate of Statistical Society of Australia (SSA)
Date : 21-22 March, 2017 Venue : Canberra, Australia
- Young Statisticians Conference 2017 organized by Young Statistician Network under Statistical Society of Australia (SSA) - YSC2017 Video Competition Convener and YSC2017 Organizing Committee member
Date : 26-27 September, 2017 Venue : Gold Coast, QLD, Australia
- Australasian Road Safety Conference 2018 organized by The Australasian College of Road Safety (ACRS) - attended as a delegate of Transport and Road Safety (TARS) Research Centre
Date : 3-5 October, 2018 Venue : Sydney, NSW, Australia
- 8th International Symposium on Naturalistic Driving Research (NDRS 2019) organized by The Monash University Accident Research Centre (MUARC) - attended as a delegate of Transport and Road Safety (TARS) Research Centre
Date : 13-14 August, 2019 Venue : Melbourne, VIC, Australia
- Applied Statistics and Policy Analysis Conference, 2019 organized by The Data Science Research Unit (DSRU) at Charles Sturt University - won Best Paper on Policy award including travel grant.
Date : 05-06 September , 2019 Venue : Wagga Wagga, NSW, Australia

Opinions and Perspectives

- Huq, S. and Biswas, R.K., 2021. Rethinking development agenda on post-COVID era: a case study on Bangladesh. *Pathog Glob Health*, pp.1-2.
- Chowdhury, P.B., Hossain, S. and Biswas, R.K., 2020. A combination of COVID-19 and dengue fever in Bangladesh: Preparedness of Bangladesh. *Journal of Global Health*, 10(2).
- Murray, C.J., Abbafati, C., Abbas, K.M., Abbasi, M., Abbasi-Kangevari, M., Abd-Allah, F., Abdollahi, M., Abedi, P., Abedi, A., Abolhassani, H. and Aboyans, V., 2020. Five insights from the global burden of disease study 2019. *The Lancet*, 396(10258), pp.1135-1159.
- Biswas, R.K., Afiaz, A. and Huq, S., Underreporting COVID-19: The curious case of lower-income countries. *Epidemiology & Infection*, pp.1-11.
- Biswas, R.K., Huq, S. and Afiaz, A., 2020. Relaxed Lockdown in Bangladesh During COVID-19: Should Economy Outweigh Health? *International journal of health policy and management*, 10.
- Chowdhury, P.B., Hossain, S. and Biswas, R.K., 2020. A combination of COVID-19 and dengue fever in Bangladesh: Preparedness of Bangladesh. *Journal of Global Health*, 10(1).
- Huq, S. and Biswas, R.K., 2020. COVID-19 in Bangladesh: Data deficiency to delayed decision. *Journal of Global Health*, 10(1).

Referees

[Available upon request]

I donate blood regularly and play violin occasionally.

Kingsford, NSW 2032
July 3, 2022