Chanaka Sampath Hapuarachchi

B.Sc. (Honors) in Statistics, M.Sc. in Biostatistics, M.Sc. in Applied Statistics

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EDUCATION

University of Peradeniya — ***PhD in Statistics***
Sri Lanka — Reading (2025 – 2028)

MSc in Biostatistics, 2020
GPA = 3.98/4.00

MSc in Applied Statistics, 2015
GPA = 3.93/4.00

University of Sri Jayewardenepura — ***BSc Special (Honors) in Statistics***, 2008 (04 Years)
Sri Lanka — Second Class Upper Division

TEACHING EXPERIENCES

University of Peradeniya — ***Lecturer in Statistics***
Department of Crop Science, Faculty of Agriculture — **2026 October to date**

- Teach undergraduate Statistics and Basic Mathematics, emphasizing applications in agriculture and related sciences.
- Develop teaching materials and assess student performance through examinations, assignments, and practical activities.
- Provide guidance on research design, statistical methods, and data analysis for undergraduate research.
- Contribute to curriculum development, research publications, interdisciplinary collaborations, and academic activities.

Sabaragamuwa University of Sri Lanka — ***Lecturer in Statistics***
Department of Sports Sciences and Physical Education, Faculty of Applied Sciences — **2012 November – 2026 October**

- Teach undergraduate Statistics courses and assess student performance through examinations, assignments, and continuous assessments.
- Supervise undergraduate final-year research projects and provide guidance on statistical analysis.
- Contribute to curriculum development, academic programme enhancement, and university outreach activities.
- Conduct research and engage in scholarly activities, including publications and collaborative projects.

Uva Wellassa University — ***Lecturer (Temporary) in Statistics***
Sri Lanka — **2012 April – 2012 October**

Demonstrator in Statistics
2009 September – 2012 April

University of Sri Jayewardenepura — ***Statistical Instructor***
Sri Lanka — **2008 August – 2009 July**

WORKSHOP/ SEMINAR CONDUCTED [RENDERED SERVICE AS A RESOURCE PERSON]

- The short course on **R Essential Training in Learning R with Positron** was organized by the Institute of Applied Statistics Sri Lanka (IASSL) from 01-04 and 08, 10-11, September 2026. [**Online** - Batch 5]
- The short course on **R Essential Training in Data Analysis** was organized by the Institute of Applied Statistics Sri Lanka (IASSL) on 06-10 and 22, and 22 April 2026. [**Online** - Batch 4]
- The short course on **Essential Training in Data Analysis** with IBM SPSS was organized by the Institute of Applied Statistics Sri Lanka (IASSL) on 01, 03-06, 10, and 11 March 2026. [**Online** - Batch 2]
- The **R Training Program** conducted on 23rd and 24th February 2026 at the In-Service Training Institute (ISTI), Gannoruwa for **Agricultural Service Officers** of the **Department of Agriculture**.
- The short course on **R Essential Training in Learning R** was organized by the Institute of Applied Statistics Sri Lanka (IASSL) from 19-22 and 26-29, January 2026. [**Online** - Batch 4]
- The Webinar titled **Raw Data to Reliable Results: Cleaning, Imputation, Transformation, and Validation,** organized by the Open University of Sri Lanka (OUSL) as part of the International Research Conference of the Open University of Sri Lanka (IRC OUSL 2025) was held on 29th October 2025.
- The Workshop on **Statistical Methods: Implementation with R** for *Academic Staff and Researchers*, Organized by the Internal Quality Assurance Cell (IQAC) of the Faculty of Applied Sciences, Sabaragamuwa University of Sri Lanka in collaboration with the Institute of Applied Statistics Sri Lanka (IASSL), on October 02, 2025.
- The short course on **R Essential Training in Data Analysis** was organized by the Institute of Applied Statistics Sri Lanka (IASSL) on August 23 – 24 and 30 - 31, and September 6, 2025. [**Online** - Batch 3]
- The short course on **Essential Training in Data Analysis** with IBM SPSS was organized by the Institute of Applied Statistics Sri Lanka (IASSL) on 18-20, 25, 26 July, and 2nd August 2025. [**Online** - Batch 1]
- The short course on **R Essential Training in Learning R** was organized by the Institute of Applied Statistics Sri Lanka (IASSL) from 13 - 15 and 20 - 22, June 2025. [**Online** - Batch 3]
- The short course on **R Essential Training in Data Analysis** was organized by the Institute of Applied Statistics Sri Lanka from July 27 – August 5, 2024. **[**Online - Batch 2**]**
- The short course on **R Essential Training in Learning R** was organized by the Institute of Applied Statistics Sri Lanka from 18 – 28 April 2024. **[**Online - Batch 2**]**
- The two-day **Basic Statistics Using SPSS** training session for government officers from the Ministry of Labour & Foreign Employment was organized by the International Labour Organization (ILO) Country Office for Sri Lanka and the Maldives on March 18 and 19, 2024, at the Distance Learning Centre, SLIDA, Colombo 7.
- The short course on **R Essential Training in Data Analysis** was organized by the Institute of Applied Statistics Sri Lanka from 22 – 26 September 2023. **[**Online - Batch 1**]**
- The short course on **R Essential Training in Learning R** was organized by the Institute of Applied Statistics Sri Lanka (IASSL) from 25 – 29 August 2023. **[**Online - Batch 1**]**
- The AgSURS-2023 Pre-symposium workshop on **Data Analysis Techniques for Agricultural Undergraduates** for the undergraduates, organized by the Department of Agribusiness Management, AHEAD Department Project, in collaboration with AgSURS 2023 Symposium, Faculty of Agricultural Sciences in Sabaragamuwa University of Sri Lanka on December 06, 2022**.**

- The workshop on **Introduction to R Programming** for the Academic Staff and the undergraduates, Organized by the Department of Export Agriculture at the Faculty of Agricultural Sciences in Sabaragamuwa University of Sri Lanka, on March 10 and 17, 2022**.**
- The workshop on **R Statistical Programming** for the undergraduates, Organized by the Department of Science and Technology at the Faculty of Applied Sciences in Uva Wellassa University on February 19, 2022 [**Online**]**.**
- The workshop on **Statistical Software SPSS for Academic Staff**, Organized by the Internal Quality Assurance Cell (IQAC) of the Faculty of Applied Sciences, the Sabaragamuwa University of Sri Lanka, on December 29 and 30, 2021.
- The workshop on **Statistical Analysis using R for the Academic Staff**, Organized by the Department of Computer Science and Informatics at the Faculty of Applied Sciences in Uva Wellassa University on September 18, 2021 [**Online**].
- The workshop on **Introduction to R Statistical Programming** for the Academic Staff, Organized by the Department of Computer Science and Informatics at the Faculty of Applied Sciences in Uva Wellassa University on May 07, 2021 [**Online**].
- The workshop on **R Statistical Programming** for the undergraduates**,** Organized by the Department of Science and Technology at the Faculty of Applied Sciences in Uva Wellassa University on December 8 and 9, 2020 [**Online**]**.**

ADMINISTRATIVE POSITION HELD

- **Secretary** (2026), Institute of Applied Statistics (**IASSL**).
- **Treasurer** (2025), International Conference on Applied Sports 2025 (ICAS2025) organized by **Department of Sports Sciences and Physical Education**, Faculty of Applied Sciences, Sabaragamuwa University of Sri Lanka.
- **Vice Secretary** (2024 - 2025), Sabaragamuwa University Teachers Association (**SUTA**).
- **Coordinator** (2021 - 2025), Establishment of the new **Faculty of Applied Sport Sciences**, Sabaragamuwa University of Sri Lanka.
- **Vice President** (2022 - 2023), Sabaragamuwa University Teachers Association (**SUTA**).
- **Acting Head** (2015 - 2018), **Department of Sports Sciences and Physical Education**, Faculty of Applied Sciences, Sabaragamuwa University of Sri Lanka.

MEMBERSHIP OF PROFESSIONAL BODIES

Institute of Applied Statistics (IASSL), Sri Lanka — ***Life Member**, 494*

***Executive Council Member** (2023, 2025, 2026)*

***Chairperson, Statistics Popularization Committee** (2025)*

***Chairperson, Academic and Training Committee,** (2023);*

***Committee Member, Academic and Training Committee** (2021, 2022, 2024)*

Sri Lanka Association for the Advancement of Science (SLAAS) — ***Life Member**, 12095|E1*

(Since 2023)

RESEARCH & PUBLICATIONS

- Bandara, T. G. G. S. T. P., Perera, D. S. L., **Hapuarachchi, H. A. C. S**. (2022). Retrospective Study; Comparison of the Stride Pattern of Elite 400 meters Hurdlers in Sri Lanka with Elite Athletes in Asia and the World. Sri Lankan Journal of Applied Statistics, 23(3), pp. 154–165. DOI: **https://doi.org/10.4038/sljastats.v23i3.8084**
- Siriwardhana, R., Somarathna, M., Sooriyaarachchi, M., Subasinghe, S., Sumanasekara, H., Thalagala, P., **Hapuarachchi, H.A.C.S.,** Dinasena, J. and Hewabostanthirige, D., (2022). Prevalence of Paternal Postpartum Depression in Anuradhapura District in Sri Lanka and Its Association with Maternal Postpartum Depression as a Risk Factor. Journal of Family & Reproductive Health, 16(4):239-242. DOI: **https://doi.org/10.18502/jfrh.v16i4.11351**
- **Hapuarachchi, H.A.C.S.,** Samita, S. and Withanage, N., (2021). Multivariate Modelling of Binary Responses with Normal and Non–Normal Random Effects. Sri Lankan Journal of Applied Statistics, 22(3), pp.77–94. DOI: **http://doi.org/10.4038/sljastats.v22i3.8053**
- Piyathilake IDUH, Udeshani WAC, **Hapuarachchi HACS**, Ranaweera LV, Udayakumara EPN, Gunatilake SK and Dissanayake CB (2021) Geochemistry of Groundwater in the Uva Province, Sri Lanka - Implications for Chronic Kidney Disease of Uncertain Origin. Frontiers in Water, Volume 3 - 2021. DOI: **https://doi.org/10.3389/frwa.2021.771501**
- Chandana, A.W.S., **Hapuarachchi, H.A.C.S.**, (2021). Biomechanical Evaluation of the Burpee Test Battery. European Journal of Sports & Exercise Science, 9 (10): 33-39.

PUBLISHED AS FULL PAPER AT THE INTERNATIONAL CONFERENCES

- Herath, M., **Hapuarachchi, H.A.C.S.**, and Wickramarachchi, W.K.D.S.A. (2019). Motor potential test battery for under 19 school national basketball players in Sri Lanka, 9th Institute of Physical Education International Conference 2019 (IPEIC 2019), Bangkok, Thailand.
- Wijesundara, S., **Hapuarachchi, H.A.C.S.**, and Wickramarachchi, W.K.D.S.A. (2018). The relationship between anthropometric parameters and performance of male national level sprinters in Sri Lanka, 8th Institute of Physical Education International Conference 2018 (IPEIC 2018), Bangkok, Thailand.
- Chathumini, K.G.L., Kumara, B.T.G.S., and **Hapuarachchi, H.A.C.S.** (2018). Image processing based automatic Pelicon crossing system, 11th International Research Conference of Sir John Kotelawala Defense University, Sri Lanka, 2018.
- Alwis, P.K.D.N.M., Kumara, B.T.G.S., and **Hapuarachchi, H.A.C.S.** (2018). Customer Churn Analysis and Prediction in Telecommunication for Decision Making, International Conference on Business Innovation (ICOBI), Sri Lanka, 2018.
- Wickramarachchi, W.K.D.S.A., **Hapuarachchi, H.A.C.S.**, Senanayake, W.D.W. (2017). A study of physical activity level of government teachers in Colombo district, International Conference on Sport Management 2017 - ICSM2017, Hochi Minh City, Vietnam. pp. 307-313.
- Wickramanayake, W.M.W.A.B., Perera, S.J., **Hapuarachchi, H.A.C.S**., and Wickramasinghe, H.R. (2016). The effect of relaxation and concentration on the performance of archers in Sri Lanka Army. In: Proceedings in Medical, Allied Health, Basic and Applied Sciences of the 9th International Research Conference of Sir John Kotelawala Defense University, Sri Lanka. 8 & 9 September 2016. Sir John Kotelawala Defense University, Ratmalana, Sri Lanka. pp. 66-72.
- Ranathunga, G.M.S.K., Henagamage, A.P., Kalubowila, K.S.R., and **Hapuarachchi, H.A.C.S**. (2011). Development of Fruit Nectar from Ambarella (Spondias dulcis): A Value-Added Product from an

Underutilized Fruit Crop in Sri Lanka. Proceedings of the Research Symposium of Uva Wellassa University, December 15-16, 2011.

- Gunathilake, G.G.V.L., Henagamage, A.P., Karunathilake, A.A.K., and **Hapuarachchi, H.A.C.S.** (2011). Bioactivity of Tithonia diversifola (Hemsl), Tagetes erecta L. and Lantana camara L. agenst Grain Storage Pests Tribolium castaneum (Herbst). Proceedings of the Research Symposium of Uva Wellassa University, December 15-16, 2011.

ABSTRACT/ EXTENDED ABSTRACT

- Hiruwanthika T.H.S., **Hapuarachchi, H.A.C.S.,** Wickramarachchi, W.K.D.S.A., Weerakkody, P.P., 2024. Adventure sports business in the Belihuloya-Kalupahana belt: Addressing underdevelopment and identifying growth opportunities. 8th International Research Conference - 2024, IRCUWU2024, Uva Wellassa University, Badulla, Sri Lanka.
- Dangalla, D.N.V., Jayasinghe, M.R.M.A., **Hapuarachchi, H.A.C.S.**, Wijesekara E.R.J.M.D.D.P., and Induranga, D.K.A., 2024. Development of a Norm Table and a Device for a Six-Corner Agility Test for Age between 16 to 19 Badminton Players in Sri Lanka. 17th International Research Conference (September 26 - 27, 2024), KDUiRC 2024, General Sir John Kotelawala Defence University, Ratmalana, Sri Lanka.
- Madushika, R.P.T., Wickramarachchi, W.K.D.S.A., **Hapuarachchi, H.A.C.S**. and Gamlath, G.R.A.C., 2023. Study of Anthropometric Measurements and Physical Components of National Netball Players in Sri Lanka. International Conference on Applied Sports (ICAS 2023), Sabaragamuwa University of Sri Lanka.
- Rathnayake, S., Wickramarachchi, W.K.D.S.A., **Hapuarachchi, H.A.C.S**. and Gamlath, G.R.A.C., 2023. Anthropometric Characteristics, Physical Fitness Components, and Somatotypes of Male Tennis Players in Sri Lanka. International Conference on Applied Sports (ICAS 2023), Sabaragamuwa University of Sri Lanka.
- Chathurika, W.P.I. and **Hapuarachchi, H.A.C.S.,** 2023. Injuries Caused by Male Cyclists' Non-Compliance with Standardized Adjustment of Cycles. International Conference on Applied Sports (ICAS 2023), Sabaragamuwa University of Sri Lanka.
- Sewwandi, W.S.G. and **Hapuarachchi, H.A.C.S., 2023**. Effects of Bharatanatyam Tatta Adavus on Lower Limb Muscle Strength. International Conference on Applied Sports (ICAS 2023), Sabaragamuwa University of Sri Lanka.
- Kalupahana, S.H.A.H.D. and **Hapuarachchi, H.A.C.S.,** 2023. The Physical and Mental Well-Being of Sri Lankan Professional Esports Players. International Conference on Applied Sports (ICAS 2023), Sabaragamuwa University of Sri Lanka.
- Jayaweera, K.G.R.R., Wijesekara, S.S.R.M.D.H.R., Kudavidanage, E.P., Gunatilake, S.K., **Hapuarachchi, H.A.C.S.** and Medawela, M., 2023. Development of a Soilless Potting Media Using Elephant Dung and its Applications. APSURS 2023, Sabaragamuwa University of Sri Lanka.
- Kasthurirathna, K.A.M.V., Wijesekara, S.S.R.M.D.H.R., Gunatilake, S.K., **Hapuarachchi, H.A.C.S.** and Lenaduwa, S.K., 2023. Pollution Assessment on E-Waste Contaminated Soil in Sri Lanka. APSURS 2023, Sabaragamuwa University of Sri Lanka.
- Saundhararajah, A., Ranaweera, L.V., Wanniarachchi, D.N.S. and **Hapuarachchi, H.A.C.S.,** 2023. The Impact of Flood Hazard on Small and Medium Entrepreneurs in the Rathnapura Divisional Secretariat Division, Sabaragamuwa Province, Sri Lanka. APSURS 2023, Sabaragamuwa University of Sri Lanka.

- Kuruppu, O.P; Wickramarachchi, W.K.D.S.A; **Hapuarachchi, H.A.C.S.** 2019. Anthropometric parameters and physical fitness characteristics on performance of national female badminton players in Sri Lanka. 7th International Conference of Sabaragamuwa University of Sri Lanka (ICSUSL) 2019.
- Dissanayake, G.D.N; Jayasinghe, M.R.M.A; **Hapuarachchi, H.A.C.S.** 2019. The relationship between gross motor skill level and resource availability among preschool children in northwestern province. 7th International Conference of Sabaragamuwa University of Sri Lanka (ICSUSL) 2019.
- Nisansala, P., Kumara, B.T.G.S., and **Hapuarachchi, H.A.C.S.** 2018. Analyzing and predicting the risk of being a diabetic patient using data mining, Wayamba International Conference - WinC 2018, Sri Lanka.
- Pathirana, H.P.K.A., **Hapuarachchi, H.A.C.S.**, Jayalal, G.L.S., 2017. Develop Sex and Age Specific Normative Values for Health and Skill Related Physical Fitness of 19 - 21 Years Old Sri Lankan Youth. Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, 24th November 2017, University of Peradeniya, Sri Lanka.
- Wickramarachchi, W.K.D.S.A., **Hapuarachchi, H.A.C.S.**, and Senanayake, W.D.W. 2017. A study of physical activity level of government teachers in Colombo district, Wayamba International Conference 2016 - WinC 2016, Sri Lanka. pp. 185.
- Wijesundara C.N.R., **Hapuarachchi H.A.C.S.**, The Study on Level of Visitor Satisfaction at Different Attributes of Yala National Park, Sri Lanka. The 7th Tourism Outlook Conference and the 3rd Tropical Coastal and Island Tourism Conference, 8th to 10th August 2014, Heritance Kandalama, Dambulla, Sri Lanka. pp 14.
- Weerakoon, D.G.A.W.S.C., **Hapuarachchi, H.A.C.S.**, Othalawa, S., Senanayake, W.D.W. 2014. Motives and Participation in Exercise of People in Colombo City: A Survey on Participants in Fitness Centers. Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 18, 4th & 5th July 2014. pp 358.

SKILLS and RESEARCH INTERESTS

- **Computer Skills:** Proficient in **R, SAS, SPSS**, and **Minitab**.
- **Language Skills:** Fluent in English
- **Research Interests:** GLMs, GLMMs, Modelling correlated data, Longitudinal data analysis, and Machine learning.

REFEREES

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