# Dr Rupel Nargunam

Assistant Professor,

Madras School of Economics, Chennai, India

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## CAREER SUMMARY

Assistant Professor of Actuarial Economics with expertise in financial economics, actuarial modelling, and empirical likelihood inference.
Recipient of the Fulbright-Nehru Doctoral Research Fellowship, Swami Vivekananda Single Girl Child Scholarship and Indira Gandhi Post Graduate Scholarship for Single Girl Child.
Experienced in teaching postgraduate courses, supervising research, and contributing to international collaborations.
Research interests include longevity risk, credit risk modelling, financial markets, and insurance economics.

## EDUCATION

Ph.D. Mathematics and Actuarial Science (Financial Economics), B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, 2017–2023.
M.Sc. Actuarial Science – Gold Medallist, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, 2014–2016.
B.Sc. Mathematics, Women's Christian College, Chennai, 2011–2014.
Professional Examinations: Institute of Actuaries of India (IAI) & Institute and Faculty of Actuaries (IFoA, UK) – Passed CT1, CT3, CT7, CT9, and Professional Skills Course (Stage 1 & 2).

## ACADEMIC APPOINTMENTS

Assistant Professor (Tenured), Madras School of Economics, Chennai, September 2023 – Present.
Lecturer, Madras School of Economics, April 2022 – August 2023.
Guest Faculty (M.Sc. Actuarial Science), University of Madras, November 2021 – March 2022.
Trainee, SBI Life Insurance, Chennai, May 2016 – November 2016.

## RESEARCH EXPERIENCE

Fulbright-Nehru Doctoral Research Fellow, Department of Statistical Science, Temple University, USA (2019–2020), Supervisor: Dr. William W. S. Wei.
Research Intern, Indian School of Business, Hyderabad (2019–2020).
Research Intern, ITCOT, Chennai (2016).
Research Intern, Indian Statistical Institute, Chennai (2013).

## FELLOWSHIPS & AWARDS

Fulbright-Nehru Doctoral Research Fellowship (2019–2020)
Swami Vivekananda Single Girl Child Scholarship (2018–2021)
Gold Medallist in M.Sc. Actuarial Science (2016)
Indira Gandhi PG Scholarship for Single Girl Child (2014–2016)
Second Place, Mathematics Olympiad, Ramakrishna Mission Vivekananda College (2014)

## TEACHING EXPERIENCE

Postgraduate Courses – Madras School of Economics: Stochastic Models, Actuarial Mathematics, Financial Mathematics, Financial Institutions and Markets, Survival Models, Economics of Insurance, Fixed Income Securities.
Postgraduate Courses – University of Madras: Principles and Practice of Insurance, Life Contingencies I & II.

## PUBLICATIONS (PEER-REVIEWED JOURNALS)

Nargunam, R., & Kattumannil, S.K.K. (2025). Mean-Variance Portfolio Optimisation using Jackknife Empirical Likelihood Estimation of Tail Conditional Variance. MSE Working Paper 283/2025.
Rathee, N., & Nargunam, R. (2024). Is Health Insurance Actuarially Fair? MSE Working Paper 271/2024.
Nargunam, R., Wei, W.W.S., & Anuradha, N. (2023). Macroeconomic Risk and Gold Futures in India. Statistics and Its Interface, 16(1), 57–67.
Nargunam, R., & Lahiri, A. (2022). Persistence in Indian Stock Returns. Digital Finance.
Nargunam, R., Wei, W.W.S., & Anuradha, N. (2021). Forecasting Indian Gold Futures under Non-constant Variance. Financial Innovation, 7:62.
Nargunam, R., & Anuradha, N. (2017). Market Efficiency of Gold ETFs in India. Financial Innovation, 3(1):14.

## PROFESSIONAL MEMBERSHIPS & SERVICE

Institute of Actuaries of India (IAI)
Institute and Faculty of Actuaries (IFoA, UK)
Asia Pacific Risk and Insurance Association (APRIA)
International Indian Statistical Association (Indian Chapter)
Reviewer: Investment Analysts Journal, Asia-Pacific Financial Markets.

## CONFERENCE PRESENTATIONS (SELECTED)

Invited Speaker, IFoA India Conference, Dec 2025.
IISA Annual Conference, Cochin, Dec 2024.
South Asian Actuarial Conference, Colombo, Nov 2023.
COST Action FinAI Conference, Romania, Feb 2023.
Women in Fintech, COST FinAI, Sept 2021.
IGIDR PhD Colloquium, Mumbai, Nov 2018.

## RESEARCH INTERESTS

Longevity risk, Credit risk modelling, Financial markets, Empirical likelihood inference, Insurance economics.

## REFEREES

Available upon request.