Curriculum Vitae

Name	:	Dr.GirishRamchandraAradhye
Date of Birth	:	20/08/1994
Designation	:	AssistantProfessor
Institution	:	Department of Statistics, Central University of Karnataka (CUK)
Email	:	girisharadhye@cuk.ac.in&girisharadhye2008@gmail.com
Date of Joining	:	21/04/2026

Academic Qualifications

- DoctorofPhilosophyDegreein Statistics-DepartmentofStatistics,CentralUniversityof Rajasthan (2024): **Thesis Title: Contributions to the Generation of Probability Models with an Application to Insurance Datasets.**
- JuniorResearchFellowshipforpursuingdoctoralresearch(2020-2022).
- QualifiedStateEligibilityTestforAssistantProfessorinStatisticsapprovedby University Grants Commission, Govt of India (2019).
- QualifiedGraduateAptitudeTestinEngineering(GATE)inStatisticswithAllIndia Rank 205 (2019).
- Master ofScience Degree inStatistics (2015-2017)- DepartmentofStatistics,Solapur University, Solapur, Maharashtra, India.
- Bachelor of Science in Statistics (2012-2015) - Department of Statistics, Sangameshwar College, Solapur, Maharashtra, India.

Present and Previous Employment

- 21 April 2026- Present: Assistant Professor, Department of Statistics, Central University of Karnataka, Kalaburagi, Karnataka.
- 12 June 2024- 20 April 2026: Assistant Professor, Department of Statistics, SVKM'S Mithibai College of Arts, Chauhan Institute of Science and AmrutbenJivanlal College of Commerce and Economics, Mumbai, INDIA
- 2021-2024:ResearchScholar,DepartmentofStatistics,CentralUniversityofRajasthan.
- 2020-2022:JuniorResearchFellow,DepartmentofStatistics,CentralUniversityofRajasthan.
- 2019-2020:AssistantProfessor(ClockHourBasis)-DepartmentofStatistics, Sangameshwar College, Solapur, Maharashtra, India.
- 2017-2019: Assistant Professor(full timeon contract) -Department of Statistics, Solapur University, Solapur, Maharashtra, India.

Professional Activities and membership

- 2021-2023: Coordinator, Research Club, Department of Statistics, Central University of Rajasthan.
  *As a coordinator of the research club, I was actively involved in the organization of seminars, conferences, guest-lectures on the department levelwhich are beneficialfor the research scholars. My notable contributions are: Actively participated in the organization of Fulbright Specialist Program on "Multivariate Analysis for Data Science and its quantitative aspects" in collaboration with United States-India Educational Foundation and worked as a convenor for the various activities under Research Club.
- LifeMemberofIndianSocietyforProbabilityandStatistics **(LM/47/1471/2021)**
- E-StudentMember:RoyalStatisticalSociety,London,UK.
- StudentMemberofInstituteofMathematicalStatistics(**ID:**36865)

Awards and Recognitions

- Consolation prize in "On the Spot Essay Writing Competition " for PG students ofIndian Universities conducted by Ministry of Statistics and Programme Implementation (MoSPI), Govt. Of India. Felicitated by Director, Indian Statistical Institute, Kolkata in presence of Hon'ble Former President of India Shri. Pranav Mukharji, Dr. TCA Anant (Former Chief Statistician Of India), Dr. Radha Binod Barman (Former Chairman, National Statistical Commission).
- Dr. A. M. Mathai Cash Prize for the Best Research Paper Award-2021 by the Indian Society for Probability and Statistics (ISPS) in the 41st Annual Convention of the Indian Society for Probability and Statistics (ISPS) on 13/03/2022.
- Selected as a speaker at Royal Statistical Society, London YSS & Leeds/Bradford Local Group: Rapid Fire Showcase presentation on Composite Lognormal - T regression models with varying threshold and its insurance application on June 29, 2022.
- Member of the "Statistical Learning in Actuarial Applications WP", Institute of Faculties of Actuaries, Data Science, Research section, UK.
- Empanel as an academic counsellor by Indira Gandhi National Open University (IGNOU).
- Dr. A. M. Mathai Cash Prize for the Best Research Paper Award-2025 by the Indian Society for Probability and Statistics (ISPS) in the 45^{th} Annual Convention of the Indian Society for Probability and Statistics (ISPS) on 24/12/2025.

Research Interests

- Compositemodelsandmixedmodels
- Distributiontheory
- RegressionAnalysis
- Actuarialmodelling
- Copulas
- Hybridneuralnetworks-regressionmodels(CANNmodels)

Publications and papers under review

1. Deepesh Bhati1,Girish Aradhye *, andD.V.S. Sastry 2. On a new family of composite models with generalized log-Moyal tail and its actuarial application. (Published: FILOMAT)
2. Girish Aradhye1 , George Tzougas, and DeepeshBhati * . EM estimation for the mixed Pareto regression model for claim severities. (Published: Communications in Statistics – Theory and Methods)
3. Girish Aradhye 1, DeepeshBhati*, and George Tzougas. A novel M-Lognormal- Burr regression model with varying threshold for modeling heavy-tailed claim severity data. (Published:Journal of Applied Statistics)
4. DeepeshBhati1,BuddepuPavan,andGirishAradhye*.OnANewHeavy-TailedMixed Pareto-Weibull Distribution: Its Parametric Regression Model and Insurance Applications. (Published Annals of Data Science, Springer)
5. Girish Aradhye1, George Tzougas, and DeepeshBhati*. A Copula based bivariate composite model for modeling claim costs. (Published: Mathematics)
6. Girish Aradhye*, George Tzougas 1, and DeepeshBhati 2. EM estimation for the Bivariate Mixed Exponential Regression Models with varying dispersion and its neural network based enhancement. (Under Review)
7. Girish Aradhye 1, DeepeshBhati*, and Enrique Calderin-Ojeda 2. On a new family of compositeregressionmodelswith covariatedependentthresholdviatailindex parameter. (Published: Journal of Korean Statistical Society)
8. DeepeshBhati 1 and Girish Aradhye *. An EM type estimation for a novel mixed composite models. (Under review)
9. Girish Aradhye 1, George Tzougas* and DeepeshBhati 2. Multivariate mixed exponential regression Models integrating covariates in the mean, dispersion, and dependence Parameters: Statistical inference and insurance applications.(Under review: Computational Statistics and Data Analysis)
10. Girish Aradhye 1, DebjyotiMukharjee 2, DeepeshBhati 3. Neural Network based enhancementofbellregressionmodelforcountfrequencyinsurancedata.(Underreview: North American Actuarial Journal)

Note:-1:FirstAuthor,2:SecondAuthorand*:CorrespondingAuthor.

- GoogleScholar:https://bitly.ws/3hVXJ
- ScopusID:57847963900: https://www.scopus.com/authid/detail.uri?authorId=57847963900

Workshop/Conferencesandinvitedtalks

1. Program on "Problem Solving using Design of Experiments-2018" at Indian Statistical Institute, Bangalore, India.

2. Contributory Talk on "Modeling Insurance Claims with Composite Generalized Log Moyal Distribution" at Fifth International webinar on "Recent Trends in Statistical Theory and Applications-2021 (WSTA-2021)" organized by Department of Statistics, University of Kerala in conjunction withIndian Society for Probability and Statistics (ISPS)andKeralaStatisticsAssociation(KSA),India(2July2021).

3. Contributory Talk on "On A New Heavy-Tailed Pareto-Weibull Distribution: Properties and Its Applications" at International Conference On Recent Advances in Statistics (ICRAS-2021)organized by Department of Statistics, SGM College, Karad, MS, India (11-12 October 2021).

4. Contributory Talk on "A New Mode-Matching Composite Regression Model and Its Application to Motor Vehicle Insurance Loss Dataset" at International Conference on STATISTICS AND DATA SCIENCE: Theory and Practice for Progressand Prosperity (ICSDS-2021) jointly organized by Indian Society for Probability and Statistics (ISPS)and Osmania University, Hyderabad, India (10-13 March 2022).

5. Royal Statistical Society, London YSS & Leeds/Bradford Local Group: Rapid Fire Showcase presentation on Composite Lognormal - T regression models with varying threshold and its insurance application on June 29, 2022.

6. Presenteda paperentitled "Ona newCopulabased familyof BivariateComposite Model and its insurance application"at Young Statisticians' Meet (YSM 2022), RoyalStatistical SocietyLondon, UK(two-dayinternational conference)(04-05 August 2022).

7. Contributory Talk on "An EM type estimation for a novel mixed composite models" at International Conference on STATISTICS, PROBABILITY,DATA SCIENCE AND RELATED AREAS (ICSPDS-2023) jointly organized by Indian Society for Probability and Statistics(ISPS) andCochin Universityof Scienceand Technology, Kerala India(04-06 Jan, 2023).

8. Contributory Talk on "a framework for modelling multiple insurance claim costs, including the bivariate exponential-lognormal distribution" at National Conference on Time Series, Analytics, & Recent Advances in Statistical Modelling (NCTAS-2025) jointly organized by Department of Statistics, Central University of Rajasthan and Rajasthan Statistical Association (10-11, Feb 2025).

9. Contributory Talk on "A mixed exponential claim severity model with covariate-driven mean, dispersion and dependence parameters" at International Conference on Recent Advances and Innovative Statistics with Enhancing Data Science (IC-RAISE DS) in conjunction with 45th Annual Convention of ISPS, organized by Department of Mathematics, School of Advanced Sciences, VIT-AP University, Vijayawada, during 22-24, December 2025.