

# Introduction to Data Analytics using PYTHON



**Dr. R. Madhanagopal**, a distinguished scholar with a Ph.D. in Statistics from The University of Madras, currently serves as an Assistant Professor in the Department of Statistics at The Madura College, Madurai, bringing over 15 years of teaching and 14 years of research expertise to his work. His academic journey, complemented by an M.B.A. from Bharathiyar University in 2010, showcases a unique blend of statistical understanding and business insight. A prolific researcher, his focus on Applied Statistics, Machine Learning, and Predictive techniques is evident through numerous publications in esteemed journals and recognition from the Tamil Nadu government for a minor project. As the author, he not only imparts his knowledge through lectures on statistical applications but also demonstrates his leadership in international conferences, chairing sessions, and contributing as a reviewer for scholarly journals. His expertise in statistics and statistical software has been shared through thought-provoking lectures at various academic institutions and Tamil Nadu statistical training institutions.



**Dr. M. Rabert** is working as Assistant Professor in Department of Statistics at The Madura College (Autonomous), Madurai 625011, Tamil Nadu. He has 14 years of Teaching and Research experience. He had his B.Sc (Statistics) from Bharathidasan University, Tiruchirappalli, Master degree in Statistics, Master of Philosophy in Statistics and Doctor of Philosophy in Statistics from Annamalai University, Chidambaram, Tamilnadu. His research area is Stochastic Modeling and Bio-Statistics and it's Applications. Now, he is life member of Indian Society for Probability & Statistics (ISPS). He has completed 16 PG projects and many more research publications. He is also served as Statistical Inspector at Department of Economics and Statistics through TNPSC.



**Prof. Hemalata Arun Gosavi** an Assistant Professor at Computer Engineering Department, Saraswati College of Engineering, University of Mumbai. She obtained her Bachelor and Master Degrees in computer engineering at the University of Mumbai in 2010 and 2014. She has been working for more than thirteen years in the field of Computer science (in particular, in the areas of Data mining, Data Analytics, Software Engineering and Data Science). Her research interest's focus on Data Analytics, Big Data, Semantic Models, Visual Interfaces, Data Integration, analyzing the data and deriving insights using a variety of statistical techniques.



**Prabhakar K** have completed B.Tech (IT) in Noorul Islam College of Engineering in the year 2008, M.E (CSE) in M.I.E.T Engineering Collge, Trichy in 2011 and he is pursuing Ph.D in Anna University, Chonnai. He have 14 years of Teaching experience. Currently he is working as Assistant Professor in School of Engineering and Technology, CMR University, Bangalore. He is a Life Time Member of ISSE (Indian Society of Systems for Scienca & Engineering). He had Published 7 research papers in various Journals and Conferences. He had published 1 patent in Intellectual Property of India. His research has significantly impacted the fields of data analysis and machine learning, leading to advancements in both theoretical frameworks and real-world applications. His dedication to exploring new frontiers in technology continues to drive his pursuit of innovative solutions in machine learning and data analysis.

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*A Text Book of*

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