





# SHRIKRISHNA BHAT K<sup>MSc, (PhD)</sup>

 Puducherry, IN  +91 · 7097034480  kskbhat.in@gmail.com  kskbhat





## PROFESSIONAL SUMMARY

PhD candidate in Statistics with over 6 years of extensive experience in advanced statistical modeling, survey analytics, and socio-economic data research. Expert in cluster analysis, probabilistic distance methods, and data diagnostics, with a strong record of applied research impacting public policy and planning. Skilled in leveraging tools such as R, STATA, Python, and specialized R packages to ensure robust data quality, reproducibility, and insightful analysis. Proven ability to lead large-scale survey projects, deliver consultancy for urban housing demand assessments, and contribute to academic knowledge with peer-reviewed publications and presentations at international conferences. Adept at transforming raw data into actionable insights that inform decision-making in government and social equity contexts.


## EDUCATION

<b>PhD in Statistics</b> <i>Research Area: Cluster Analysis, Block Clustering, and Cluster diagnostics</i>	Pondicherry University <i>Feb 2021 – Dec 2025</i>
<ul style="list-style-type: none"> <li>Research Supervisor: Dr. Kiruthika</li> <li>Thesis Title: <i>Contributions to Block Clustering and its Diagnostic Measures</i></li> <li>Thesis Submitted on: <i>Dec 22, 2025</i></li> </ul>	
<b>Master of Science in Statistics</b> <i>CGPA: 7.75/10</i>	Pondicherry University <i>Jul 2016 – Apr 2018</i>
<b>Bachelor of Science in Mathematics, Statistics, and Physics</b> <i>Percentage: 80.31%</i>	Andhra Loyola College <i>Jul 2013 – Apr 2016</i>

## EXPERIENCE

<b>Cushman and Wakefield</b>  <i>Senior Statistician</i>	Chennai <i>May 7, 2025 – Jun 30, 2025</i>
<ul style="list-style-type: none"> <li>Study of Demand and Supply Pattern of Housing in Chennai Metropolitan Area for Chennai Third Master Plan - 2046</li> </ul>	
<b>Centre for Social Justice and Equity, Madras School of Social Work</b>  <i>Data Analyst - Socio Economic Survey of Scheduled Tribes in Tamil Nadu</i>	Chennai <i>Sep 7, 2024 – Dec 31, 2024</i>
<b>Madras Institute of Development Studies</b>  <i>Consultant - Tamil Nadu Household Panel Survey</i> <i>Statistical Data Analyst - Tamil Nadu Household Panel Survey</i>	Chennai <i>Aug 23, 2022 – Aug 24, 2024</i> <i>Feb 21, 2019 – Mar 31, 2021</i>
<b>Core CarbonX Solutions Pvt. Ltd.</b>  <i>Associate Consultant</i>	Hyderabad <i>Jun 10, 2018 – Feb 15, 2019</i>

## SKILLS AND LANGUAGES

<b>Programming Languages</b>	R · Python
<b>Statistical Tools</b>	STATA · SPSS · Minitab
<b>Data Tools</b>	MS Excel · SQL · Power BI · Tableau 
<b>Version Control</b>	GitHub
<b>Other Tools</b>	LaTeX · SurveyCTO · MS Office
<b>Languages Known</b>	English (Fluent) · Kannada (Native) · Telugu (Native) · Hindi (Fluent) · Tulu (Native) · Tamil (Basic)

## PUBLICATIONS

- Shrikrishna Bhat K** and Kiruthika C (June 25, 2025a). *Block Probabilistic Distance Clustering: A Unified Framework and Evaluation*. Preprint, Version 1. DOI: 10.21203/rs.3.rs-6973596/v1. ResearchSquare: rs-6973596/v1.

2. **Shrikrishna Bhat K** and Kiruthika C (2024). “Some density-based silhouette diagnostics for soft clustering algorithms”. In: *Communications in Statistics: Case Studies, Data Analysis and Applications* 10(3–4), pp. 221–238. DOI: 10.1080/23737484.2024.2408534.

## PACKAGES

1. **Shrikrishna Bhat K** and Kiruthika C (2025b). *blockclusterPDQ: An R Package for Block Probabilistic Distance Clustering*. GitHub: [kskbhat/blockclusterPDQ](https://github.com/kskbhat/blockclusterPDQ).
2. **Shrikrishna Bhat K** and Kiruthika C (2025c). *Silhouette: Proximity Measure Based Diagnostics for Standard, Soft, and Multi-Way Clustering*. R package version 0.9.6. DOI: 10.32614/CRAN.package.Silhouette. CRAN: [Silhouette](https://cran.r-project.org/web/packages/Silhouette/index.html). URL: <https://kskbhat.github.io/Silhouette>.

## WORKSHOPS AND CONFERENCES

### Papers Presented

1. “Probabilistic Distance Coclustering for Ordinal Data” (Feb. 6–8, 2024). In: *International Conference on Recent Advances of Probability and Statistics in Interdisciplinary Research (RAPSIR-2024) in conjunction with the 43<sup>rd</sup> Annual Convention of ISPS*. Paper presented. University of Allahabad, India.
2. “Density-Based Silhouettes to Evaluate the Performance of Soft Clustering Algorithms” (Sept. 1–2, 2023). In: *International Conference on Statistical Theory and its Applications (ICSTA-2023)*. Virtual paper presentation. Bharathiar University, India.
3. “Probability Density-Based Clustering” (Dec. 30, 2022). In: *Annual Conference of International Indian Statistical Association (IISA 2022)*. Paper presented. IISc, Bengaluru, India.

### Posters Presented

1. “Exploring Block Clustering with Probabilistic Distance: Theory and Validation” (Dec. 27–31, 2024). In: *Annual Conference of International Indian Statistical Association (IISA 2024)*. Student Poster Competition. CUSAT, Cochin, India.

### Participated

1. *Pre-Annual Convention Workshop on Advanced Data Science Techniques* (Feb. 5, 2024). In conjunction with the 43<sup>rd</sup> Annual Convention of ISPS. Participation. University of Allahabad, India.
2. *24<sup>th</sup> Annual Conference of SSCA (RASTA-2022)* (Feb. 23–27, 2022). Online event on Recent Advances in Statistical Theory and Applications, ICAR-NAARM, Hyderabad. Participation. Hyderabad, India.
3. *International Conference on Advances in Statistical Methods and Applications (ICASMA-2022)* (Jan. 24–25, 2022). Organised by the Department of Statistics, University of Madras. Participation. Chennai, India.
4. *28<sup>th</sup> International Workshop on Matrices and Statistics (IWMS 2021)* (Dec. 13–15, 2021). Hosted by Centre for Advanced Research in Applied Mathematics and Statistics, MAHE, Manipal. Participation. Manipal, India.
5. *International Workshop on Data Science (DATUM 2021)* (Sept. 18–20, 2021). In association with the International Indian Statistical Association, DA-IICT, Gandhinagar. Participation. Gandhinagar, India.