

## MAHESH RAMACHANDRAN

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### Professional Synopsis

A mission-oriented professional with 10 years' experience in Economic Research and Statistical Analysis. Proficient in SAS/Base, SAS/Stat, SPSS, STATA, Excel, Access. Demonstrated competence in carrying out statistical analysis of large-scale data. A keen communicator with strong analytical and organizational abilities.

- *Currently associated with Housing & Urban Development Committee (HUDC), Ministry of Works & Housing, Kingdom of Bahrain as Senior Urban Economist, performing Cost-Benefit Analysis, Optimal allocation of land use in North Town New Town Project.*
- *Database design and administration:* Designed, developed, and maintained several large and small relational databases for research; manipulated data using SAS and Access (SQL); produced reports for data monitoring; advised study investigators on data collection, storage, and retrieval issues.
- *Statistical analysis and research dissemination:* Designing and conducting large-scale sample surveys, censuses; generated analytical strategies in conjunction with study investigators and statisticians; implemented procedures for performing univariate and multivariate statistical analysis; linear and logistic regression, Cluster analysis, and other models in SAS, SPSS, and Stata; prepared findings for presentation and publication. Hands on experience in SAS Enterprise miner. Handled large-scale data of Indian Population census, National Sample Surveys, Agriculture and Industrial data of Kerala, Time series data of various sectors from Centre for Monitoring of Indian Economy (CMIE), etc.
- *Leadership:* Served as lead data manager for 5 major studies; recruited, trained, and supervised field investigators, data entry operators, junior data analysts.
- *Teaching experience:* Handled classes on Data Analysis, Data Exploration, and Data Mining using SAS Base, SPSS, Stata, SAS Enterprise Miner, SPSS Clementine for MBE students at Dept. of Applied Economics, CUSAT, Kochi, during the term as PhD Research Scholar.

### Employment Graph

<b>Sr. Urban Economist</b>	HUDC, Ministry of Works & Housing, Kingdom of Bahrain (from Aug' 2006 onwards)
<b>Research Officer</b>	Centre for Development Studies, Thiruvananthapuram - 695011. (Jan' 2005 - Jun' 2006).
<b>Research Associate</b>	Centre for Development Studies, Thiruvananthapuram - 695011. (Apr' 2003 - Jan' 2006).
<b>Research Associate</b>	Kerala Research Programme on Local Level Development, Centre for Development Studies, Trivandrum 11. (Jan 1998 - Apr' 2003)
<b>Research Assistant</b>	Centre for Tropical Studies, Trivandrum 695005. (Jun' 1995 - Dec' 1998)

### Academic Credentials

<b>PhD (Applied Economics)</b>	Cochin University of Science & Technology	Thesis Submitted 2006
<b>M. Phil (Applied Economics)</b>	Pondicherry Central University	1999
<b>MA (Economics)</b>	University of Madras	1995
<b>B. Com</b>	Kerala University	1990

### IT Skill Set

<b>Operating System</b>	Windows XP/NT
<b>Database</b>	MS Access
<b>Tools</b>	Word, Excel, PowerPoint
<b>Statistical/Econometric Tools</b>	SAS, SPSS, Stata, Clementine Miner
<b>GIS</b>	ArcView, ArcInfo

## Areas of Expertise

- ✓ Conducting detailed analysis/research on socio-economic conditions for gauging results/ conclusions.
- ✓ Emphasising on the sample surveys, data exploration, generation of summary statistics, graphics, econometric modelling for reaching feasible conclusions.
- ✓ Making good use of plot/graphs for visual exams, model building, multiple regression with / without dummy dependent variables, logistic regression with dichotomous and continuous dependent variables, discriminant analysis, cluster analysis, factor analysis.
- ✓ Reaching conclusions, testing the same (using validity testing), linear regression to determine the authenticity of the conclusions through various tools.
- ✓ Compiling the conclusions/ results in a documented format for the purpose of presentation to the senior management for initiation of strategic decisions.

## Research Purview

### Independent Research

- ✓ 'Labour Mobility in Rural Areas' sponsored by KRPLLD, Centre for Development Studies, Trivandrum.
- ✓ 'Causes & Consequence of Change in Cropping Pattern -A location specific study', sponsored by KRPLLD, Centre for Development Studies, Trivandrum.
- ✓ 'Pre-paid transportation Service under People's Plan Campaign - An Evaluation Study in Thiruvananthapuram', sponsored by Kerala State Planning Board, Govt. of Kerala.
- ✓ 'Farm Size and Productivity: Issues in Kerala', MPhil Thesis, Pondicherry Central University.
- ✓ 'Poverty, Inequality and Natural Resource Degradation: An Investigation into the Small-scale Fishery Sector of South Kerala', PhD Thesis, Cochin University of Science & Technology.

### Collaborative Research

- ✓ Project Associate for 'Impact of Arrack Ban on Worker Households in Kerala' (Ministry of Women and Children, Govt. of India)
- ✓ 'Working of Head Load Workers Welfare Scheme for Kerala Institute of Labour and Employment', Govt. of Kerala.
- ✓ "The Lure of Prawn Culture and the Waning Culture of Rice-Fish Farming: A Case Study from North Kerala Wetlands", KRPLLD, Centre for Development Studies.

## Papers/ Publications

- ✓ "Labour Mobility and Paradox of Rural Unemployment - Farm Labour Shortage: A Micro Level Study", Indian Journal of Labour Economics, Vol. 47, No.1, 2004.
- ✓ "The Declining Rice-Fish Farming: A Case Study From North Kerala", Co-authored with Dr K.N. Nair & Vineetha Menon, in Sociological Bulletin, Vol. 53, No.2 May-August 2004.
- ✓ "Labour Mobility in Rural Areas: A Village Level Study", Discussion Paper No. 48, KRPLLD, Centre for Development Studies, 2002.
- ✓ "The Lure of Prawn Culture and the Waning Culture of Rice-Fish Farming: A Case Study from North Kerala Wetlands", Discussion Paper No. 43 KRPLLD, Centre for Development Studies, 2002, Co-authored with Dr K.N. Nair.
- ✓ "Fisheries Development - Income and Employment Changes: A Case of Kerala", Co-authored with Dr. D. Rajasenan, Proceedings of International Seminar on 'Income Generating Activities', Dept. of Applied Economics, CUSAT & Development Research Institute (IVO), Tilburg University, The Netherlands, 9 August 2002.
- ✓ "Causes and Consequences of Change in Cropping Pattern, A Location Specific Study," Discussion Paper No. 11, KRPLLD, Centre for Development Studies, 1999.
- ✓ "Health Service Plan for a Coastal Area with People's Participation", Proceedings of the Sixth Kerala Science Congress, January 1994, State Committee on Science, Technology and Environment, Government of Kerala.
- ✓ "Changing Pattern of Household Consumption in Kerala, Consequences and Opportunities", Proceedings (Abstracts), Vol. 5, International Congress on Kerala Studies, August 1994, AKG Centre for Research and Studies, Trivandrum.

**Date of Birth:** 25<sup>th</sup> May, 1965.