

MAHESH RAMACHANDRAN, PhD

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Professional Synopsis

Currently associated with Ministry of Housing, Kingdom of Bahrain as Senior Urban Economist handling North Bahrain New Town Project a mega project in Bahrain. Proficient in Econometric and Statistical Analysis with strong theoretical background and expert in computer software like SAS/Base, SAS/Stat, SAS/ETS, SAS/Enterprise Miner, SPSS, Stata, Excel, Access. Demonstrated competence in carrying out statistical analysis of large-scale data. A keen communicator with strong analytical and organizational abilities.

2-years experience in Urban Planning and Development

- *Urban Economic Planning & Development:* Performing Cost-Benefit Analysis and Financial Modelling for Urban Development Projects, computed Internal Rate of Return (IRR), Net Present Value (NPV) for various financial models, Performed Time Series Analysis for estimated demand for housing, electricity demand, etc. and various other Econometric Models using secondary and primary data, Carried out economic analysis for optimal allocation of land use.

11-years experience as Research Data Manager/Analyst

- *Statistical analysis and research dissemination:* Designed and conducted large-scale sample surveys and censuses on socio economic issues; developed strategies for data analysis; prepared reports for presentation/publication. Handled large-scale data relating to Population census, National Sample Survey, and the Agricultural/Industrial sectors of the Indian economy. Performed exploratory analysis of data making use of graphs/plots and summary statistics to understand the underlying pattern and relationships. Developed econometric models for forecasting - causative as well as time series. Experience in the application of multivariate analysis techniques (linear regression, logistic regression, discriminant analysis, factor analysis, cluster analysis etc.)
- *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.
- *Leadership:* Worked as Principal Investigator/ 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.

Personal Credentials

- *Name:* Mahesh Ramachandran
- *Date of Birth:* 25 May, 1965
- *Sex:* Male
- *Marital Status:* Married
- *Nationality:* Indian
- *Passport No.* E6980711
- *Present Address:* Flat No. 14, Bldg. 1671, Block 138, Rd. 1829, Hooraa, Kingdom of Bahrain.
- *Permanent Address:* 'Greendale', Edacode, Nemom, Trivandrum - 695020, Kerala, India

Employment Graph

Since Aug'06

HUDC, Ministry of Housing, Bahrain

Senior Urban Economist

Organisational Snapshot: Housing & Urban Development Committee (HUDC) is an autonomous committee chaired by HE The Crown Prince of Bahrain under the Ministry of Housing, Govt. of Bahrain. HUDC is engaged in reclamation of 1004 ha of 14 Islands in North Bahrain and developing it into an Urban New Town.

Tasks Performed

- ✓ *Financial Modelling, Estimating Housing Demand, Optimal allocation of land use in North Bahrain New Town Project, Cost benefit analysis.*

Jan'06- Jun'06

Centre for Development Studies, Trivandrum, India.

Research Officer

Organisational Snapshot: A premier social science research institution established in 1971, by Govt. of Kerala. Its main objective is to promote research, teaching and training in disciplines relevant to development.

Tasks Performed

- ✓ *Handling Zurich University-CDS project on "Economic Globalisation and Livelihood Strategies in the Western States".*
- ✓ *Design and implementation of socio-economic surveys, data analysis, developing statistical and economic models, review of literature and report writing.*
- ✓ *Coordinating research team.*

Apr'03-Jan'06

Centre for Development Studies, Trivandrum

Research Associate

Key Contributions

- ✓ *Handling Zurich University-CDS project on "Economic Globalisation and Livelihood Strategies in the Western States".*
- ✓ *Task performed includes designing and implementation of socio-economic surveys, data analysis, developing statistical and economic models, review of literature and report writing.*

Jan'98-Apr'03

KRPLLD, Centre for Development Studies, Trivandrum

Research Associate

Key Contributions

- ✓ *Conducted two independent research projects funded by KRPLLD, Centre for Development Studies.*
- ✓ *Monitoring of research projects funded by the institute, helping researchers in data analysis.*
- ✓ *Data analysis of village re-surveys, Analysis of 3 period census data of Kerala and Tamil Nadu from 1971 to 2001.*

Jun'95-Dec'98

Centre for Tropical Studies, Trivandrum

Research Assistant

Key Contributions

- ✓ *Design and conducting socio-economic surveys, Data analysis.*

Areas of Expertise

- ✓ *Design and conduct of sample surveys and censuses.*
- ✓ *Statistical analysis of data, exploratory and confirmatory, using SAS, SPSS and Stata.*
- ✓ *Model building and forecasting: Linear regression, Logistic regression, Discriminant analysis, Factor analysis, Cluster analysis, Time series analysis.*
- ✓ *Arriving at conclusions and testing their validity using appropriate tools.*
- ✓ *Compiling the conclusions/ results in a documented format for presentation to top management for decision making.*

Research Purview

Independent Research

- ✓ *'Poverty, Inequality and Natural Resource Degradation: An Investigation into the Small-scale Fishery Sector of South Kerala', PhD Thesis, Cochin University of Science & Technology.*
- ✓ *'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.

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.

IT Skill Set

Operating System:	Windows XP/NT
Database:	MS Access
Tools:	Excel, Word, PowerPoint
Statistical/Econometric Tools:	SAS 9.0, SPSS 15.0, Stata 8.0

Academic Credentials

MS Finance (currently doing)	ICFAI, India	2007
PhD (Applied Economics)	Cochin University of Science and Technology	2006
M. Phil (Applied Economics)	Pondicherry Central University	1999
MA (Economics)	University of Madras	1995

Training Programmes Attended

- ✓ Workshop on 'Cost Management for Engineering Projects', Bahrain Society for Engineers, Bahrain
- ✓ 'Environment & Natural Resource Economics Training Course' from South Asian Network for Development and Environmental Economics, (SANDEE), AIT Centre, Bangkok.
- ✓ Workshop on 'Applied Econometrics' from Madras School of Economics, Chennai, under The Indian Econometric Society.
- ✓ SAS Base from Centre for Development Studies, Trivandrum.

28 January 2009

Mahesh Ramachandran