Texas State Vitaas of _1/12/2026 (https://scholar.google.com/citations?hl=en&user=Os1F-W8AAAAJ)

Please note: For all entries, list the most recent items first. Headings without entries may be eliminated, but the heading lettering/numbering should remain consistent.

I. Academic/Professional Background

A. Name: Ram Shanmugam **Title:** Honorary Professor, Health Administration

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
PhD	1979	Temple University	Statistics	On Probability Distributions Involving Stirling Numbers
MS	1975	Rensselaer Polytechnic	Operations Research and Statistics	none
MS	1973	Brigham Young University	Statistics	Behavior of the estimate of the mean time between failures computed from the failed items only

C. University Experience

Position	University	Dates
Honorary Professor	Texas State University-San Marcos	2004-present
Associate Professor	Texas State University-San Marcos	2001-2004
Adjunct Professor	University of North Texas Health Sciences	2001-present

D. Relevant Professional Experience

Position	Entity	Dates
Book Review Editor (https://www.tandfonline.com/)	Journal of Statistical Computation and Simulation	1/1/2001-present
Editorial Board Member (https://www.scitechnol.com/editor-profile)	SciTechnol is an online publisher with International Journals on Clinical, Medical, Environmental, Pharmaceutical, Neurosciences Technological and Business Management.	1/1/2022-present
Editor-in-Chief (https://www.kenkyugroup.org/eEditorial-board/)	Kenkyu Journal of Epidemiology and Community Medicine	1/1/2022-present
Editor-in-Chief (https://www.omicsonline.org/)	Journal of Obesity and Metabolism	1/1/2022-present
Editor (https://medwinpublishers.com/PHOA/editorial-board)	Public Health Open Access (PHOA)	1/1/2022

Editor (https://madridge.org/)	Journal of Obesity and Nutritional Science	1/1/2022-present
Editor (https://www.scirp.org/journal/)	Health	
Editorial Board Member (https://www.mdpi.com/journal/hhealthcare/5)	Journal of Healthcare	1/1/2022-present
Editor-in-Chief	Advances in Life Sciences and Health (ALSH)	2015-2021
Editor-in-Chief (https://www.imedpub.com/)	Global Journal of Research and Review (An International Journal)	2014-present
Statistical Consultant	Laser Communications and Propagation Research Team, University of Colorado	1986-1991
Visiting Scientist (https://www.isibang.ac.in/)	Indian Statistical Institute, Delhi, and Bangalore	1987
Systems Analyst (https://www.health.ny.gov/Cancer e)	Cancer Control Bureau, New York State Health Department	1973-1974
Biostatistician	City Corporation of Madras, Chennai	1967-1968
Statistical Consultant	Laser Communications and Propagation Research Team, University of Colorado	1986-1991

E. Other Professional Credentials (licensure, certification, etc.)

Fellow, American Statistical Association, 2021.
Fellow, International Statistical Institute, 1984.
*Awardee of "***Honorary Professor of International Studies***" by Texas State University, 2016.*

II. Teaching

A. Teaching Honors and Awards:

Texas State University

The Alfred H. Nolle Chapter of the
Alpha Chi National College Honor Society
is pleased to recognize

Dr. Ram Shanmugam

All who read this honor are
informed that this is indeed a

Favorite Professor

As noted by the undergraduate inductees to the Chapter, Spring 2014.

President

Treasurer

ALPHA CHI · FEB 22 1922 ·

6 July 2020 completed Cybersecurity training in Texas State University, San Marcos.



This is to certify that

Dr Ram Shanmugam

School of Health Administration

has successfully completed the online training course

Cybersecurity Training

on

July 6, 2020

B. Courses Taught:

Texas State University

Developed 8-week course, LTCA 5305 Environmental Design for Dementia, Texas State University (Fall 2024)

Developed a hybrid course HA 5334 HA 5334 Data-Guided Decision-Making (Fall 2024)

LTCA5305_Environmental Design for Dementia Developed (Fall 2022)
HONORS 3399K--- Data Visualization and Interpretations (Fall 2021)
HA5301----Health Administration Research Methods
HA5334----Operational Decision Making for Healthcare Managers
HHR 5390 --- Research Methods in Healthcare Human Resources
HP3325 --- Healthcare Statistics
HP3302 --- Biostatistics for Health Professionals
HR 5301 --- Independent Study in Health Services Research.
HR 5330 --- Biostatistics for Health Professionals/Biostatistics
HR 5331 --- Experimental Design and Biomedical Research (stacked)
HR 5333 --- Regression Analysis and Biostatistics.
HR 5337 --- Clinical Trials and Biostatistics
HR 5339 --- A and B Master Thesis.
HR 5341 --- Operations Research in Health Administration (stacked)

HR 5362 --- Bioinformatics.
HR 5363 --- Medical Informatics.

C. HR 5495 --- Directed Study in Health Research. HR5311--- Seminar in Health Services Research. Graduate Theses/Dissertation, Honors Theses or Exit Committees: (If supervisor, please indicate)

Ph.D. Dissertation Committee Member of Zhijun Department of Geography.
M.S. Thesis Committee Chair of Xiaoning Zhang, School of Health Administration.
M.S. Thesis Committee Chair of Melinda Laurel, School of Health Administration.
M.S. Thesis Committee Member of Amber Meeks, School of Health Administration.
M.S. Thesis Committee of John Fritz, School of Health Administration.
M.S. Thesis Committee Member of Rachel Marks, Department of Communications Disorders.
Ph. D. Dissertation Committee Member of Yvonne Lozano, University of North Texas, Denton.
Member of the Exist Committee of Shu Chen, Sabrina Vidaurri, Donald B. Eakin, School of Health Administration.
M.S. Thesis Committee Major Supervisor of M. S. student Leora Rodell in the Health Services Research program.
M. S. Thesis Committee Member of Cecilia A Palacios (Dept of Communications Disorders)
M.S. Thesis Committee Major Supervisor of Lucille L. Palenapa (Health Research Program)
M.S. Thesis Committee Member of Patricia Longas (Dept of Geography)

Ram Shanmugam is a member of the Comp Exams:

Brady Jenschke, MLTCA program
Charlene Cheng, MLTCA program
Sadhana Nandanavanam, MHA program

Ram Shanmugam is advisor to the MHA students:

Habib, Sakina <vhr18@txstate.edu>;
Khalid, Mohammad I <mik15@txstate.edu>;
Khan, Salman <eeu12@txstate.edu>;
Nandanavanam, Sadhana <ewl28@txstate.edu>;
Vairagi, Shymal Pradeep <vairagishymal@txstate.edu>;
Salazar, Isabella R irs35@txstate.edu;
Ekechi, Ngozi rts84@txstate.edu;

Comp Examination Committee:
MHA Comp Exam Committee (2022)2 Students (#60, #91)
MHA Comp Exam Committee (2021)—4 Students

Janki Patel	MHA (in progress)	
Gabriela Garcia	MHA (in progress)	
H. Shirodkar	MHA graduated	Fall 2020
J. Soliz	MHA graduated	Fall 2020
L. Stevenson	MHA graduated	Fall 2020

D. Courses Prepared and Curriculum Development:
2024 Developed 8-weeks LTCA 5305 course.
2024 Developed 8-weeks eMHA 5334 course.

2022 Developed in Fall 2022 and taught in Spring 2023
2021 Developed and taught HONORS 3399K (Data Visualization and Interpretations),
2015 Developed and taught first-time graduate course HA 5301
2015 Developed and taught the first-time undergraduate course HP
3325. 2010 Curriculum developed for graduate course HR 5337
2008 Curriculum developed for the undergraduate biostatistics course HP3302.
2008 Curriculum developed for graduate operations research course HR5341.
2008 Curriculum developed for graduate capstone course for health research HR5311.
2005 Curriculum developed for Epidemiology Certificate.
2005 Curriculum developed for Health Informatics Certificate.
2005 Curriculum developed for Biostatistics Certificate.

E. Funded External Teaching Grants and Contracts:
(2025) Consultant to NIH Grant Proposal by Dr. Gloria Park (School of Nursing).
(2025) Letter Support to be a Co-PI in the NIH Grant Proposal by Dr. Joosung Kim, Texas State University.
(2025) RamShanmugam is a co-PI in a proposal submitted by Dr. Buck Willis
F. Submitted, but not Funded, External Teaching Grants and Contracts:

Barbara Hewitt et al., including Ram Shanmugam, (2021) Proposal title: Public informatics Health Education, Analytics, Research, and Training in Texas **(Public iHEARTx), A Response to the Notice of Funding Opportunity, Public Health Informatics & Technology, Workforce Development Program, (The PHIT Workforce Development Program), Total Request: $3,021,646, not funded.**

Fulton, Lawrence, Musal, Rasim M., Tahir Ekin, Dolezel, Diane, Hewitt, Barbara, McLeod, Alex, Lieneck, C., and Shanmugam, Ram (2021-continuing) ***Proposal Title:*** **Modeling Alzheimer's Disease Progression via Novel Deep Learning Strategies. Submitted a multidisciplinary MIRG grant proposal to Research Administration, Texas State University, not funded.**

Shanmugam, R., as consultant, (PI: Dr. Zo Ramamoonjiarivalu) (2018) to National **Cancer Institute (NCI)** to provide the linked Surveillance, Epidemiology and End Results (SEER)-Consumer Assessment of Healthcare Providers and Systems (CAHPS) data, with the title "SEER- CONSUMER ASSESSMENT OF HEALTHCARE PROVIDERS AND SYSTEMS, (SEER-CAHPS) DATA USE AGREEMENT"

Shanmugam, R., and Deng, H.W. (2006). Grant proposal to NIH, *Genome-wide search for obesity genes*.

G. Funded Internal Teaching Grants and Contracts:
H. Submitted, but not Funded, Internal Teaching Grants and Contracts:
Ekin, T., Musal, R., Shanmugam, R. (2014) Estimating and sampling overpayments in Medicare/Medicaid – Bayesian framework, one of seven proposals selected to submit a full

proposal to the MIRG program (for $25,000)

Shanmugam, R., and Sorensen, W. (2006) Proposal titled *Roy R and Joann Cole Mitte Endowed Chair in Healthcare Information Systems Management, Informatics, and Data Analysis*.

I. Other

Attended and promoted the Honors Course 399K.

Please help us promote this event!

Talk to your honors class about the

Honors Course Fair

Monday, October 3rd, LBJSC Grand Ballroom, 4:30 – 6:00 PM

Be the first to register for honors courses and be eligible for the lottery for classes with a waitlist.

Attendance required.
If a student is in class during the fair, they can send an email to
Honors@txstate.edu
and we will excuse their absence.

Helped students to catch up on learning and do well on the exams by coming for a special tutoring

Last Minute Learning

(for Final Exam)

Dr. Ram Shanmugam

Encino Room 262

During 1PM through 5PM (Extended office hours)

CONTINUING EDUCATION

Spring 2018, I attended the Foundations for Teaching Online Course at Texas State

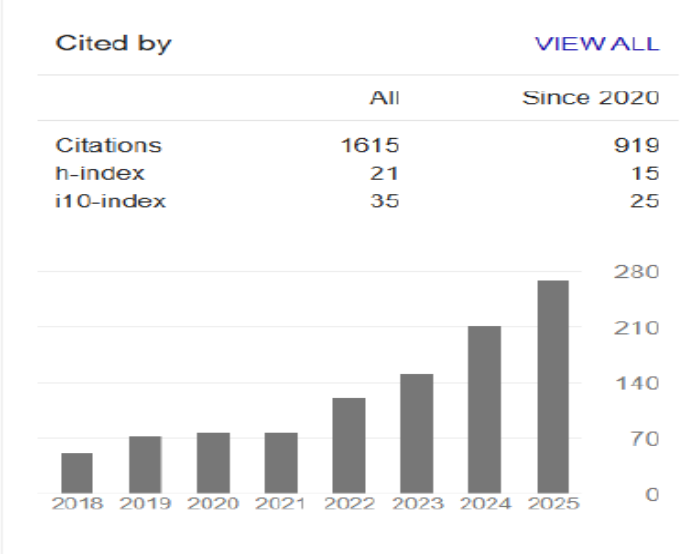
University. I attended the following courses.
Sep 16, 2015, creating an outcomes assessment plan (2 hrs.)
Sep 17, 2015, Equal employment opportunity & Title IX
Sep 22, 2015, Health & wellness lunch & learn series (1 hr)
Sep 23, 2015, Developing assessment methods & measures (2hrs.)
Sep 23, 2015, Allies training (4 hrs.)
Sep 25. 2015, College mental health (2.5 hrs.)
Sep 28, 2015, Standard response protocol (3 hrs.)
Oct 1, 2015, Data analysis with SAS JMP workshop (1.5 hrs.)
Oct 8, 2015, getting started with SAP (2 hrs.)
Oct 15, 2015, Managing@txstate (7 hrs.)
Oct 22, 2015, Managing@txstate (7 hrs.)
Sep 8, 2014, Creating an outcomes assessment plan (2 hrs.)
Sep 10, 2014, the five fundamentals of successful money management (1.5 hrs.)
Sep 11, 2014, Getting started-Lync 2013 (1.5 hrs.)
Sep 15, 2014, Developing assessment methods & measures (2 hrs.)
Sep 17, 2014, Know your numbers (2 hrs.)
Sep 17, 2014, Getting started-Access 2013 (1.5 hrs.)
Sep 22, 2014, Implementing assessment plans (2 hrs.)
Sep 24, 2014, Getting started-Access 2013 (1.5 hrs.)
Sep 26, 2014, Team building (8 hrs.)
Oct 1, 2014, Getting started-Access 2013 (1.5 hrs.)
Oct 3, 2014, Team building (8 hrs.)
Oct 8, 2014, Getting started-Access 2013 (1.5 hrs.)
Oct 8, 2014, Getting started-Lync 2013 (1.5 hrs.)
Oct 14, 2014, Weight loss seminar (1.0 hrs.)
Oct 15, 2014, Excel 2013-Managing data (1.5 hrs.)
Oct 21, 2014, Access 2013-Queries and reports (1.5 hrs.)
Oct 22, 2014, Word 2013-Styles, bldg, blks, themes (1.5 hrs.)
Oct 29, 2014, Outlook 2013-Calendars resources (1.5 hrs.)
Nov 5, 2014, PowerPoint 2013-Animation & multimedia (1.5 hrs.)
Sep 18, 2013, Students in crisis: How you can help (1.5 hrs.) Sep
25, 2013, eNPO training (2 hrs.)
Sep 25, 2013, Financial Ed Series: Budget crisis (1.25 hrs.)
Oct 9, 2013, Improve cholesterol through healthy eat (2.5
hrs.) Oct 9, 2013, Creative and critical thinking (1.5 hrs.)
Oct 10, 2013, PowerPoint 2013-Art, Table, Diagram (1.5 hrs.)
Oct 10, 2013, Getting started-SAP (2 hrs.)
Oct 11, 2013, Emergency procedures (3 hrs.)
Oct 16, 2013, eNPO training (2 hrs.)
Oct 30, 2013, eNPO training (2 hrs.)
Jan 31, 2012, College Student Mental Health (2 hrs.)
Feb 14, 2012, Understanding TRAVEL Tracks (2 hrs.)
Feb 15, 2012, Pre-Award Services Available (2 hrs.)

Feb 28, 2012, Word 2010-Bldg Forms & Mail Merge (1.5 hrs.)
Feb 20, 2012, Word 2010-Format Long Documents (1.5 hrs.)
Mar 27, 2012, QPR-Suicide Prevention Training (2 hrs.)
Apr 3, 2012, PowerPoint 2010-Art, Table, Diagram (1.5 hrs.)
Apr 10, 2012, Outlook 2010-Calendars, Resources (1.5 hrs.)
Apr 17, 2012, Excel 2010-Managing Data (1.5 hrs.)
Sep 10, 2012, Student Learning Outcomes: Revising Outcomes and Methods (1.5 hrs.)
Sep 20, 2012, Securing Confidential Information (2 hrs.)
Sep 20, 2012, Manage an Online and Still Have a Life (1 hr)
Sep 27, 2012, TRACS: Grades and Assignments (1.5 hrs.)
Sep 26, 2012, Estate Planning (1.25 hrs.)
Sep 26, 2012, Calendar Training (1 hr)
Sep 26, 2012, Teaching with the Power of Web 2.0 (2 hrs.)
Oct 3, 2012, Strategies for Large Classes (1.5 hrs.)
Oct 4, 2012, For the Record (2 hrs.)
Oct 4, 2012, GAMS (Routing and Approvals) (2 hrs.)
Oct 11, 2012, Maintaining civility in the Classroom (2 hrs.)
Oct 1-24, 2012, Survival Spanish Beginner (8 hrs.)
Nov 1, 2012, Fulbright: A World of Opportunity (1.5 hrs.)
Sep 15, 22, 29, Oct 6, 2011, Continuing education on Access – Making Transition (6 hrs.)
Oct 20, 2011, Continuing education on Optimizing MATLAB Code (1.5 hrs.)
Oct 20, 2011, Continuing education on PowerPoint 2010-Art, Table, Diagrams (3 hrs.)
Oct 23, 2011, Continuing education on Windows 7 – Making the Transition (1.5 hrs.)
Oct 27, 2011, Continuing education on Outlook 2010-Calendars (1.5 hrs.)
Dec 1, 2011, Continuing education on Adobe Acrobat X Forms (1 hr)
Dec 1, 2011, Continuing education on Adobe Days-Design Suite CS 5.5 (1 hr)
Feb 18, 2010, Continuing education on pre-award services to the university community
March 1, 2010, Continuing education on avoiding plagiarism and learn how to cite correctly March 18, 2010, Continuing education on getting work done with Access 2007
Mar 19, 2010, continuing education on designing surveys
Apr 8, 2010, Continuing education on GAMS routing and approvals.
Apr 12, 2010, continuing education on ways of finding the data using pivot tables
Apr 19 – May 3, 2010, Continuing education on more award-winning tools, tips, and technicians for classroom instruction
Sep 15, 2010, Continuing education on introduction to information security
Sep 17, 2010, Continuing education on one size does not fit all
Sep 29, 2010, Continuing education on what you really need to know about records management
Oct 1, 2010, Continuing education on introduction to SPSS
Oct 21, 2010, Continuing education on contracted services
Nov 5, 2010, Continuing education on getting started using SPSS syntax
Nov 17, 2010, Continuing education on brain health in preventing dementia
1 - 4 June 2009, 9 AM-4 PM, Continuing education classes on SPSS and other related subjects, Texas State University Library.
June 1, 9 AM-12 PM, Getting started with
SPSS June 1, 1 PM-4 PM, Building Surveys
June 2, 9 AM-12 PM, Logistic Regression

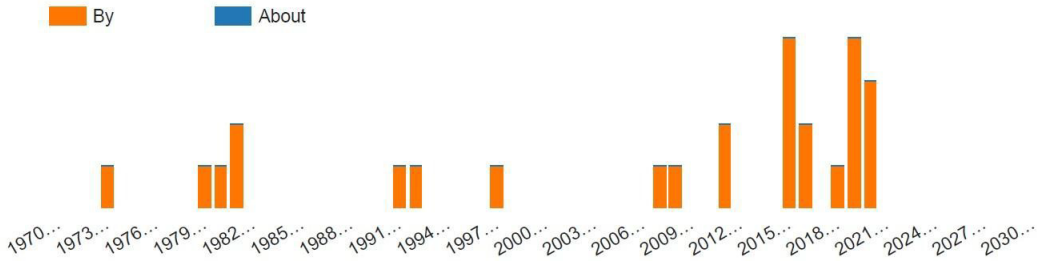
June 2, 1PM-4PM, Primer in Correlation and Regression
June 3, 9 AM-12PM, Mediation and Moderation
June 3, 1 PM-4 PM, Introduction to Psychometric Theory Part 1
June 4, 9 AM-12 PM, Introduction to Structural Equation Modeling Part
1 June 4, 1 PM-4 PM, Introduction to Structural Equation Modeling Part
2

14 - 18 May 2007, TRACS training to teach online course, Texas State University-San Marcos.
28 Sep 2007 Learning Styles: What Faculty Need to Know (1-3 PM, Alkek 105)
3 Oct 2007 The Faculty Role in Guiding Graduate Students through the Thesis/Dissertation Process, (2-3:30 PM, Alkek 105/106)
30 Nov 2007 Teaching Today's Texas State Students, (1-3:30 PM, LBJ 3-15.1)
2-5 Jan 2007 Continuing Education Certificate by the Department of Statistics, Cochin University of Science and Technology, India, for giving an invited lecture.
3 November 2001 Attended AMIA Symposium's Tutorial on Bioinformatics, in the Hilton Hotel, Washington, DC.
29 June - 3 July 1997, AMS/IMS/SIAM Summer Research Conference on Graphical Markov Models, Influence Diagrams, and Bayesian Belief Networks, University of Washington, Seattle, Washington.
26-27 June 1997, AMS/IMS/SIAM Conference on Molecular Biology, University of Washington, Seattle, Washington.
15-23 June 1993, NSF/CBMS Conference on Semi-Parametric Mixture Models: Theory and Methods with Applications in Bayesian, Measurement, EM and Random Effects Models, University of South Carolina, Columbia.
June 1992, NSF/CBMS Conference on Wavelet Models, University of Missouri, Washington.
6-12 July 1991, AMS/IMS/SIAM Summer Research Conference on Biofluid Dynamics, University of Washington, Seattle, Washington.
17-23 June, 1989 AMS/IMS/SIAM Summer Research Conference on Statistical Multiple Integration, Humboldt State University, Arcata, California.
June 1987, AMS/IMS/SIAM Summer Research Conference on Multivariate Statistical Inference Department of Statistics, University of Michigan, Ann Arbor, Michigan.

III. Scholarly/Creative



Publication Timeline



Most widely held works by Ramalingam Shanmugam

Statistics for scientists and engineers by Ramalingam Shanmugam ( )

9 editions published between 2015 and 2016 in English and held by 627 WorldCat member libraries worldwide

This book provides the theoretical framework needed to build, analyze and interpret various statistical models. It helps readers choose the correct model, distinguish among various choices that best captures the data, or solve the problem at hand. This is an introductory textbook on probability and statistics. The authors explain theoretical concepts in a step-by-step manner and provide practical examples. The introductory chapter in this book presents the basic concepts. Next, the authors discuss the measures of location, popular measures of spread, and measures of skewness and kurtosis. P

Generating functions in engineering and the applied sciences by Rajan Chattamvelli ( )

6 editions published in 2019 in English and Undetermined and held by 111 WorldCat member libraries worldwide

This is an introductory book on generating functions (GFs) and their applications. It discusses commonly encountered generating functions in engineering and applied sciences, such as ordinary generating functions (OGF), exponential generating functions (EGF), probability generating functions (PGF), etc. Some new GFs like Pochhammer generating functions for both rising and falling factorials are introduced in Chapter 2. Two novel GFs called "mean deviation generating function" (MDGF) and "survival function generating function" (SFGF), are introduced in Chapter 3. The mean deviation of a variety of discrete distributions are derived using the MDGF. The last chapter discusses a large number of applications in various disciplines including algebra, analysis of algorithms, polymer chemistry, combinatorics, graph theory, number theory, reliability, epidemiology, bio-informatics, genetics, management, economics, and statistics. Some background knowledge on GFs is often assumed for courses in analysis of algorithms, advanced data structures, digital signal processing (DSP), graph theory, etc. These are usually provided by either a course on "discrete mathematics" or "introduction to combinatorics." But, GFs are also used in automata theory, bio-informatics, differential equations, DSP, number theory, physical chemistry, reliability engineering, stochastic processes, and so on. Students of these courses may not have exposure to discrete mathematics or combinatorics. This book is written in such a way that even those who do not have prior knowledge can easily follow through the chapters, and apply the lessons learned in their respective disciplines. The purpose is to give a broad exposure to commonly used techniques of combinatorial mathematics, highlighting applications in a variety of disciplines

Discrete distributions in engineering and the applied sciences by Rajan Chattamvelli ( )

4 editions published in 2020 in English and Undetermined and held by 73 WorldCat member libraries worldwide

This is an introductory book on discrete statistical distributions and its applications. It discusses only those that are widely

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✓ Accept

www.worldcat.org/identities/lccn-n2015-8757/

A. Works in Print (including works accepted, forthcoming, in press)

1. Books (if not referred, please indicate)

a. Scholarly Monographs:

1]

RE: [EXTERNAL] Re: about your book chapter / ithenticate report, info & resume request

SK

Singh, Karan <karan.singh@uthct.edu>
To Eyüp Çetin
Cc Shanmugam, Ram; rshanmugam1@gmail.com; Hilal Özen

Dear Eyup,

Thanks for the info of our paper to appear in Part 3: Innovation

Part 3: Innovation

Framework for Epidemic Risk Analysis

Maryna Zharikova, UKRAINE, Stefan Pickl , GERMANY

Transmissibility and death index from pandemic COVID-19 among nations across continents

Ramalingam Shanmugam, USA

Karan Singh,

Assessing health inequalities of diabetes care through the application of the bio-ecology theory.

Alan Shaw, UK

The computational perspective on internalized and simplex-structured motivation

Ali Ünlü, GERMANY

Recent Developments of Multiple Myeloma: Analysis and Analytical Modeling Using Real Data

Chris Tsokos,

Lohuwa Mamudu

Any news about our second paper?

Non-trivial correlation between the lower record values and the waiting times with hemoglobin data analysis

By

Ramalingam Shanmugam and Karan P. Singh

2]

From: Eyüp Çetin <eycetin@gmail.com>
Sent: Tuesday, December 13, 2022 3:55:33 AM
To: Singh, Karan <karan.singh@uthct.edu>
Cc: Shanmugam, Ram <shanmugam@txstate.edu>; rshanmugam1@gmail.com <rshanmugam1@gmail.com>; Hilal Özen <hilal@hilalozen.com>
Subject: [EXTERNAL] Re: about your book chapter /

Dear Karan, and Ram,

Thank you. Your second chapter will be published in Part 2 of the edited book. It has been already included in the ToC that we have sent to Springer. There is no problem. It is due to Series Editor's wrong records.

Thank you again for your kind contribution and patience. If you need acceptance letter, please let us know.

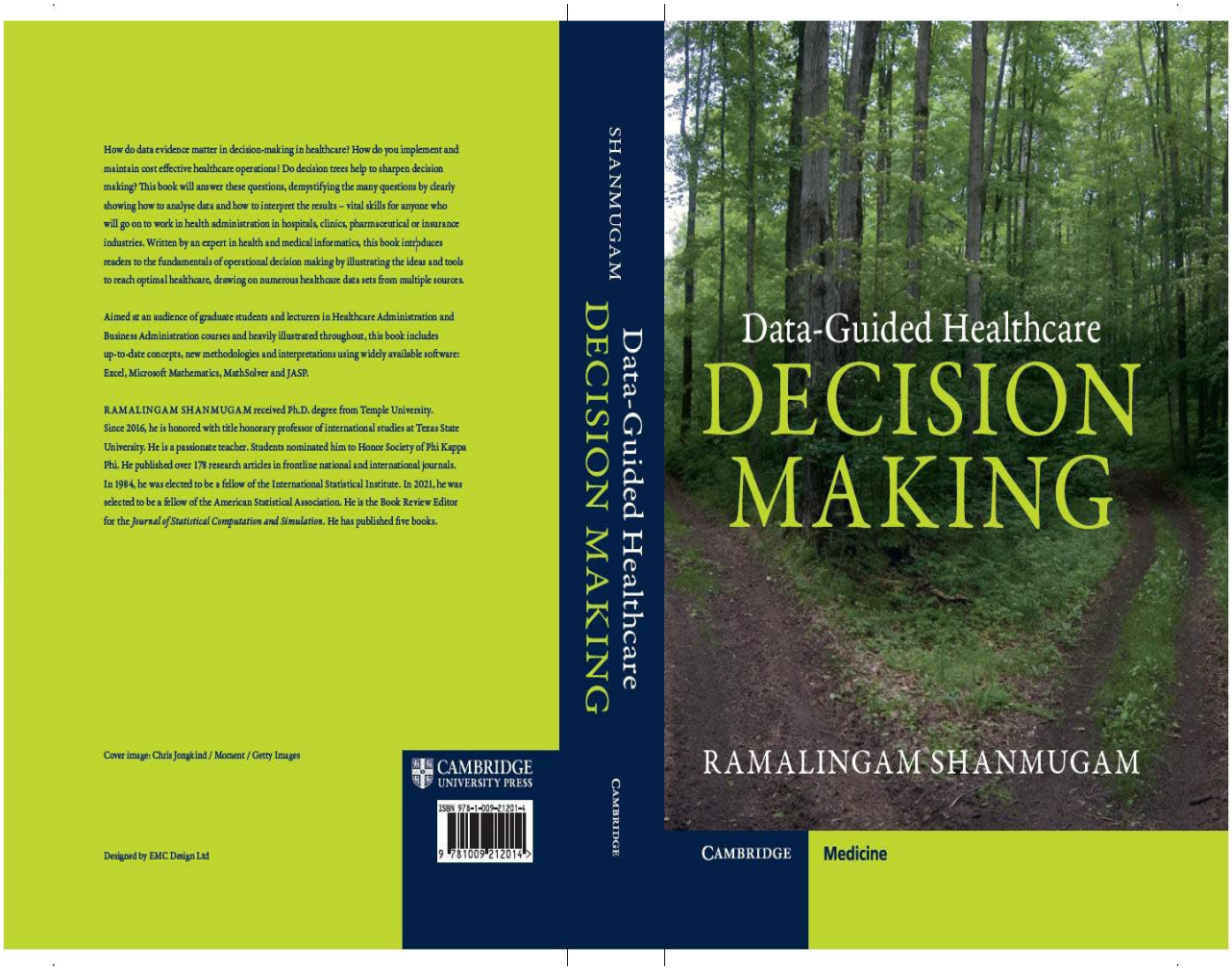
Warm wishes,
Eyup
12 Aralık 2022 Pazartesi tarihinde Singh, Karan <karan.singh@uthct.edu> yazdı:

Part 3: Innovation

Framework for Epidemic Risk Analysis
Maryna Zharikova, UKRAINE, Stefan Pickl, GERMANY
Transmissibility and death index from pandemic COVID-19 among nations across continents
Ramalingam Shanmugam, USA
Karan Singh,
Assessing health inequalities of diabetes care through the application of the bio-ecology theory.
Alan Shaw, UK
The computational perspective on internalized and simplex-structured motivation
Ali Ünlü, GERMANY
Recent Developments of Multiple Myeloma: Analysis and Analytical Modeling Using Real Data
Chris Tsokos,
Lohuwa Mamudu

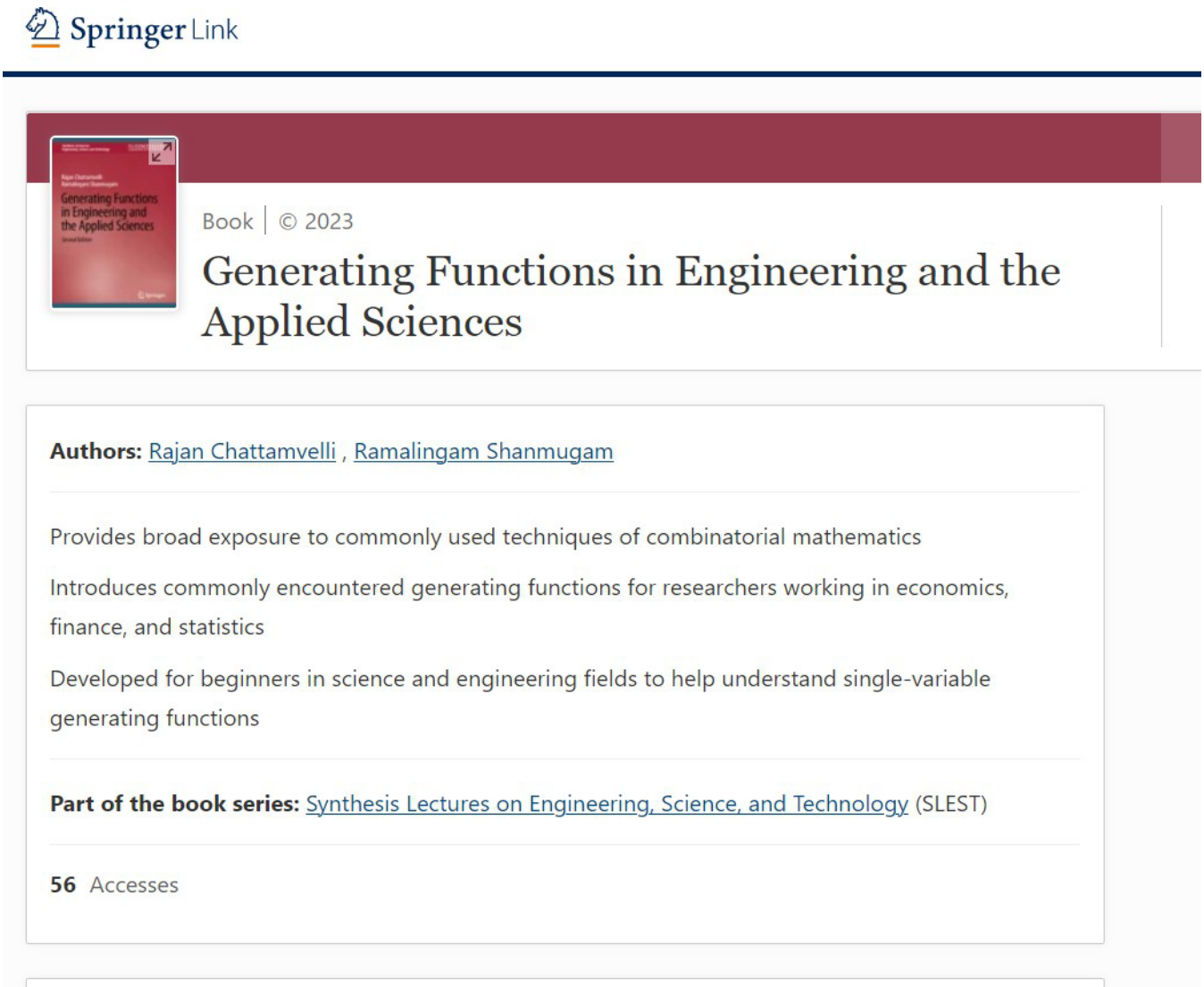
Any news about our second paper?

b. Textbook:


How do data evidence matter in decision-making in healthcare? How do you implement and maintain cost effective healthcare operations? Do decision trees help to sharpen decision making? This book will answer these questions, demystifying the many questions by clearly showing how to analyse data and how to interpret the results – vital skills for anyone who will go on to work in health administration in hospitals, clinics, pharmaceutical or insurance industries. Written by an expert in health and medical informatics, this book introduces readers to the fundamentals of operational decision making by illustrating the ideas and tools to reach optimal healthcare, drawing on numerous healthcare data sets from multiple sources.
Aimed at an audience of graduate students and lecturers in Healthcare Administration and Business Administration courses and heavily illustrated throughout, this book includes up-to-date concepts, new methodologies and interpretations using widely available software: Excel, Microsoft Mathematics, MathSolver and JASP.
RAMALINGAM SHANMUGAM received Ph.D. degree from Temple University. Since 2016, he is honored with title honorary professor of international studies at Texas State University. He is a passionate teacher. Students nominated him to Honor Society of Phi Kappa Phi. He published over 178 research articles in frontline national and international journals. In 1984, he was elected to be a fellow of the International Statistical Institute. In 2021, he was selected to be a fellow of the American Statistical Association. He is the Book Review Editor for the Journal of Statistical Computation and Simulation. He has published five books.
Cover image: Chris Jongkind / Moment / Getty Images
Designed by EMC Design Ltd
CAMBRIDGE UNIVERSITY PRESS
ISBN 978-1-009-21201-4
9 781009 212014
SHANMUGAM
Data-Guided Healthcare
DECISION MAKING
CAMBRIDGE
Data-Guided Healthcare
DECISION MAKING
RAMALINGAM SHANMUGAM
CAMBRIDGE
Medicine

(Revised and published 1 book in Springer Nature)

1. Chattamvelli, R., **& Shanmugam, R**. (2024) Functions of Random Variables. In *Random Variables for Scientists and Engineers*, Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-58931-7_2.
2. Chattamvelli, R., **& Shanmugam, R**. (2024) Random Variables for Scientists and Engineers. Published by Springer Nature, ISBN: 3031589319, 9783031589317.



1. Rajan Chattamvelli and **Ramalingam Shanmugam** (2021) *Continuous Distributions **Volumes I & II** in Engineering and the Applied Sciences,* Morgan & Claypool Publishers, 82 Winter Sport Lane, Williston, VT 05495, USA. Hardcover ISBN**:** 9781636391854**,** DOI: 10.2200/S01108ED1V01Y202106MAS043.

   Rajan Chattamvelli and **Ramalingam Shanmugam** (2020) *Discrete Distributions in Engineering and the Applied Sciences,* Morgan & Claypool Publishers, 82 Winter Sport Lane, Williston, VT 05495, USA. ISBN:9781681736402, 227 pages, (https://doi.org/10.2200/S01013ED1V01Y202005MAS034)

2. **Ramalingam Shanmugam** and Rajan Chattamvelli (2015) *Statistics for Scientists and Engineers,* John Wiley Inter-Science Publication, Hoboken, New Jersey 07030, USA. ISBN:978-1-118-22896-8, 496 pages

c. Edited Books:

d. Chapters in Books:

Shanmugam, R. (2024) Correlating Lower Record to Its Waiting Times with Hemoglobin Analysis. In *Ethics and Sustainability in Accounting and Finance, Volume IV* (pp. 191-214) Singapore: Springer Nature Singapore.

Shanmugam, R. and Singh, K. (2022) Transmissibility and death index from pandemic COVID-19 among nations across continents, **Part 3: Innovation, edited by Prof. Dr. Eyüp Çetin**, Professor of Operations Research and Statistics, School of Business, Istanbul University, 12 Aralık 2022 Pazartesi tarihinde, Turkey.

Shanmugam, R. and Singh, K. (2022) Non-trivial correlation between the lower record values and the waiting times with hemoglobin data analysis, **Part 2: Innovation, edited by Prof. Dr. Eyüp Çetin**, Professor of Operations Research and Statistics, School of Business, Istanbul University, 12 Aralık 2022 Pazartesi tarihinde, Turkey.

Shanmugam, R. (2014) Data guided public healthcare decision making, *Volume II, Category: Medicare and Healthcare Administration, Encyclopedia of Business Analytics and Optimization, edited by John Wang.* pp. 30-43.

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e. Creative Books:

2. **Articles**

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.(2025) RamShanmugam and Buck Willis presented in Orlando, Florida.
(2025) RamShanmugam et al. was cited in Intervened Generalized Gegenbauer Distribution.
(2025) Scott, Diane, RamShanmugam, presented Cybersecurity in Healthcare.
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b. Non-Refereed Journal Articles:

Gonzales, M.D., Manning, R.K., Johnson, J., and Shanmugam, R. (2007) A comparison of differing levels of experience on vocal performance in speech language pathology students and clinicians: A pilot study.

2. **Conference Proceedings**

a. Refereed Conference Proceedings:

(2025) Attended the following four meetings:
Canvas Outcomes, New Quizzes, and ITAC,
Effective_Communication_Presentation_CHP,
Fall Gathering 2025 IPE Session,
Fall Gathering 2025 Presentation.

(2025) Invited to be an external Examiner in the Ph. D. dissertation, by an Indian University.

(2025) Ram Shanugam served in the following Committees for the Texas State University:

1. Worked on SOHA's promotions for Dr. Cristian Lieneck, Dr. Zo Ramamonjiarivelo, and tenure and promotion for Dr. Keya Sen,
2. Worked as Chair, Personal Committee for SOHA,
3. Work as Chair of REP Committee for the College of Health Professions,
4. Worked as a member of the Campus Wide Research Committee, Texas State University,
5. Worked as a member of the Search Committee for SOHA,

Shanmugam, R. (2019) *Physiologic Correlation between the Lengths of Spinal Curvature and Angles of Sitting on Saddle Chair to Alleviate Back Pain,* Received best paper award among the Presented articles at the *FSSER International Conference on Management, Sustainable Development, Multidisciplinary Studies, Economics, Social Sciences & Humanities, August 02-03, 2019, Singapore.*

Chattamvelli, R. and Shanmugam, R. (2019) A generating function for the Mean Deviation, (invited presentation), Indiana *Summit, Organized by Indiana University - Purdue University, Indianapolis, USA, October 3-5, 2019*

Shanmugam, R. (2018) Imbalanced bivariate Poisson model to assess over-prescription phobia in healthcare: Big data analysis, accepted to appear in *European Alliance for Innovation (EAI) Endorsed Transactions on Big Data and Cloud Computing Challenges*, page numbers are pending.

Shanmugam, R. (2017) How not to lie with statistics? A case in point is "global warming" data analysis, *San Antonio Chapter of the American Statistical Association, 10 November 2017, 2-4PM.*

Shanmugam, R. (2016) Paradox in protection from earthquake versus tectonic glue based on geometric pattern of 21st century incidences, *invited presentation, Refereed Proceedings of Academics World International Conference, Singapore, 20th March 2016, ISBN: 978-93-85973-50-5,* pages 53-55.

Shanmugam, R. (2016) delivered an invited *keynote presentation* in with the title "Correlation and distance concepts together suggest impaired driving due to alcohol than marijuana is menace to road safety" in the 5th International Conference on Biometrics & Biostatistics, in Houston, Texas, 20-21 October 2016.

Shanmugam, R. (2015) Delivered an invited speech with the title "Gaussian nucleus entropy and use in generated, shipped, and received waste disposal policies" in the International Conference on Recent Innovation in Engineering and Technology (ICRIET) on 13-14 Feb 2015, at Mahabharathi Engineering College, Chinnasalem, Tamil Nadu, India.

Shanmugam, R. (2015) Delivered an invited speech with the title "Biostatistics can help to comprehend the shortage, illegal trade, and unmet demand of organ or tissue transplant," in Day 2 (17 November 2015), 13:50-14:119, *5th International Conference and Exhibition on Biometrics & Biostatistics,* San Antonio, Texas.

Shanmugam, R. (2014) C (alpha) method to check daunting over/under variances to understand times to aftershocks since a major earthquake, accepted to appear in the *refereed Proceedings of 2014 International Conference on Computer Science and Engineering, Chennai, India, Computer, Electronics, Electrical, and Communication, 59, 190-193.*

Furia, J., Willis, B., Curran, S. and Shanmugam, R. (2013) Meta-analysis in contracture reduction, of the lower extremity, *refereed annual conference proceedings, of the American College of Sports Medicine.*

b. Non-Refereed Conference Proceedings:

3. **Abstracts:**
4. **Reports:**
5. **Book Reviews:**(Refereed book reviews)

1. Shanmugam, R. (2022) Book review of longitudinal data: Analysis of longitudinal data with examples, by You-Gan Wang, Liya Fu, and Sudhir Paul, 2022, Boca Raton, FL, CRC Press, 225+ xxv pp., $99.95 (hardcover), ISBN: 978-149-876460-5.
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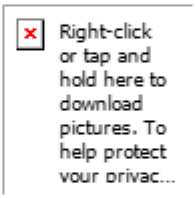


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Shanmugam, R. (2003) [Review of *DNA microarrays and gene expression: From experiments to data analysis and modeling*, by Baldi, P. and Hatfield, G.W.]. *Journal of Statistical Computation and Simulation*, 73, 45-76.
Shanmugam, R. (2003) [Review of *Case studies in reliability and maintenance*, edited by Blischke, W., and Murthy]. *Journal of Statistical Computation and Simulation*, 73, 695.
Shanmugam, R. (2003) [Review of *Data envelopment analysis: A comprehensive text with models, applications, references, and DEA-solver*, by Cooper, W.W., Seiford, L.M. and Tone, K.]. *Journal of Statistical Computation and Simulation*, 73, 849-851.
Shanmugam, R. (2003) [Review of *Biostatistical genetics and genetic epidemiology*, edited by Elston, R. Olson, J. and Palmer, L.]. *Journal of Statistical Computation and Simulation.*
Shanmugam, R. (2003) [Review of *Encyclopedia of environmetrics* Vol. 2, edited by. ElShaarawi, E.H. and Piegorsch, W.]. *Journal of Statistical Computation and Simulation*, 73, 465-466.
Shanmugam, R. (2003) [Review of A package of four books on Structural equations modeling: (1) *Modeling intraindividual variability with repeated measure and applications*, edited by Moskowitz, D. and Hershberger, S. (2) *New developments and techniques in structural equation modeling,* edited by Marcoulides, G. and Schumacker, R. (3) *Structural equation modeling with AMOS: Basic concepts, applications, and programming*, by Byrne, B. (4) *Advanced structural equation modeling: Issues and techniques*, by Marcoulides, G. and Schumacker, E.]. *Journal of Statistical Computation and Simulation,* 73, 387-388.
Shanmugam, R. (2003) [Review of *Statistical models and methods for lifetime data,* by Lawless, J.]. *Journal of Statistical Computation and Simulation*, 73, 773-774.
Shanmugam, R. (2003) [Review of *Hierarchical linear models: Applications and data analysis methods*, by Raudenbush, S.W. and Bryk, A.S.]. *Statistical Methods in Medical Research.*

Shanmugam, R. (2002) [Review of *Morphometric tools for landmark data* by Bookstein, F.L.]. *Journal of Statistical Computation and Simulation*, 2002, 72, 99-100.

Shanmugam, R. (2002) [Review of *Finite mixture models*, by McLachlan, G. and Peel, D.]. *Technometrics*, 3.

Shanmugam, R. (2002) [Review of *Analysis of variance in statistical image processing*, by Kurz, L., and Benteftofa, M.H.]. *Journal of Statistical Computation and Simulation,* 72, 597-598.

Shanmugam, R. (2002) [Review of *Applications of differential geometry to econometrics*, by Marriott, P. and Salmon, M.]. *Journal of Statistical Computation and Simulation*, 72, 261.

Shanmugam, R. (2002) [Review of *Applied statistics in the pharmaceutical industry with case studies using S – Plus*, by Millard, S. and Krause, A.]. *Computational Statistics*.

Shanmugam, R. (2002) [Review of *Bayesian methods: An analysis for statisticians and interdisciplinary researchers*, by Leonard, T. and Hsu, J.]. *Journal of Computation and Simulation*, 72, 355.

Shanmugam, R. (2002) [Review of *Clinical applications of artificial neural networks,* by Dybowski, R. and Grant, J.]. *Journal of Statistical Computation and Simulation,* 72, 518.

Shanmugam, R. (2002) [Review of *Handbook of statistical genetics*, by Balding, D. Bishop, M. and Cannings, C.]. *Computational Statistics*.

Shanmugam, R. (2002) [Review of *Image processing and data analysis*, by Stark, J. Murtagh, F. and Bijiaoui, A.]. *Journal of Statistical Computation and Simulation*, 72(6), 517-518.

Shanmugam, R. (2002) [Review of *Statistical methods in bioinformatics: An introduction*, by Ewens, W. and Grant, G.]. *Computational Statistics.*

Shanmugam, R. (2002) [Review of *Causality: Models, reasoning, and inference*, by Pearl, J.]. *Journal of Statistical Computation and Simulation*, 72, 777-778.

Shanmugam, R. (2002) [Review of *A critique of dependence concepts* by Joe, H.]. *Journal of Mathematical Psychology*, 2002, 46, 110-114.

Shanmugam, R. (2002) [Review of *Biostatistical genetics and genetic epidemiology,* by Elston, R., Olson, J. And Palmer, L.]. *Journal of Statistical Computation and Simulation*, 543-544.

Shanmugam, R. (2002) [Review of A package of four edited books on *Structural equations modeling*]. *Journal of Statistical Computation and Simulation*, 1-2.

Shanmugam, R. (2002) [Review of *Bayesian methods: An analysis for statisticians and interdisciplinary researchers*, by Leonard, T. and Hsu, J.]. *Journal of Statistical Computation and Simulation*,72, 355)

Shanmugam, R. (2001) [Review of *Regional frequency analysis*, by Hosking. J.M.B. and Wallis, R.J.]. *Journal of Statistical Computation and Simulation*, 2001.267-268.

Shanmugam, R. (2001) [Review of *Regional frequency analysis: An approach based on L-Moments* Hosking. J.M.B. and Wallis, R.J.]. *Journal of Statistical Computation and Simulation*, 267-268.

Shanmugam, R. (2001) [Review of *Gaussian and non-Gaussian linear time series and random fields*, by Rosenblatt]. *Econometrics*.

Shanmugam, R. (1998) [Review of Introduction to statistical quality control, by Montgomery, D. C.]. *Journal of Applied Statistics*, 25, 717.

Shanmugam, R. (2001) [Review of *the analysis of sports, causality, modeling parallels between sports, gambling, and financial markets*]. *Econometrics*.

Shanmugam, R. (2001) [Review of *Regression analysis of count data* by Cameron, A. C. and Trivedi, P. K.]. *Medical Decision Making*, 24, 158-160.

Shanmugam, R. (1998) [Review of *Parametric statistical inference* by Lindsey, J. K.]. *Technometrics*, 40, 161.

Shanmugam, R. (1998) [Review of *Nonparametric methods for quantitative analysis* by Gibbons, J. D.]. *Journal of Official Statistics*, 14, 331-332.

Shanmugam, R. (1998) [Review of *Time series analysis: Nonstationary and noninvertible distribution theory*, by Tanaka, K.]. *Journal of Applied Statistics*, 25, 719.

Shanmugam, R. (1998) [Review of *Time series analysis nonstationary and nonivertible distribution theory*]. *Journal of Applied Statistics*, 25, 719.

Shanmugam, R. (1998) [Review of *Advances in biometry*, edited by Armitage, P and David, A.H.]. *Journal of Applied Statistics*, 25, 720.

Shanmugam, R. (1997) [Review of Multivariate analysis, part 2: Classification, covariance structures, and repeated measurements, technometrics]. 39, 101, 101.

Shanmugam, R. (1997) [Review of *Distributions in the physical and engineering sciences* by Saichev, A.L., and Woyczynski, W.A.]. *Technometrics*, 39, 8, 431.

Shanmugam, R. (1997) Introduction to Statistical Quality Control, by D. Montgomery, Journal of Applied Statistics.

Shanmugam, R. (1997) [Review of *Graphing statistics and data*, by Wallgren et al]. *Statistics in Medicine*.

Shanmugam, R. (1997) [Review of *Introduction to time series*, by Brockwell, P.J., and Davies, R.A.]. *Technometrics*, 39, 426.

Shanmugam, R. (1997) [Review of *the exponential distribution: Theory, methods, and applications*, by Balakrishnan, N. and Basu, A.]. *Journal of Applied Statistics.*

Shanmugam, R. (1997) [Review of *Asymptotic efficiency of nonparametric tests*]. *SIAM Review*, 39, 162-163.

Shanmugam, R. (1996) [Review of *Straight talk on designing experiments: An introductory design of experiments reference handbook* by Launsby, R. and Weese, D.L.]. *Quality Progress*.

Shanmugam, R. (1996) [Review of *Econometrics of information and efficiency* by Sengupta, J.K.]. *Journal of Royal Statistical Society* (Series C: Statistician), 45, 290-291, 1996.

Shanmugam, R. (1996) [Review of *Jackknife and bootstrap* by Shao, J. and Dongsheng, T.]. *Journal of Quality Technology*, 28, 484-485, 1996.

Shanmugam, R. (1996) [Review of *Measurement error in nonlinear models* by Carroll, R.D., Ruppert, D., and Stefanski, L.A.]. *Journal of Quality Technology*, 28, 485, 1996

Shanmugam, R. (1996) [Review of *Asymptotic efficiency of nonparametric tests* by Nikitin, Y.]. *SIAM Review*, 37, 21-22.

Shanmugam, R. (1995) [Review of *Making machine mimic human and/or animal intelligence, a review of artificial neural networks* by White, H.]. *Journal of Mathematical Psychology*, 39,403-404, 1995.

Shanmugam, R. (1995) [Review of *Applied engineering statistics* by Bethea R.M. and. Rhinehart, R.]. *Journal of Quality Technology*, 27, 172-173, 1995.

Shanmugam, R. (1995) [Review of *Multivariate analysis part I: Distributions, ordination, and inference* by. Krazanowski, W.J. and. Marriott, F.H.C.]. *Technometrics*, 37, 351, 1995.

Shanmugam, R. (1995) [Review of *Econometrics of information and efficiency* by Sengupta, J.K.]. *The Statistician*, 44, 290-191.

Shanmugam, R. (1995) [Review of *Artificial neural networks: Approximation and learning theory*, by White, H.]. *Journal of Mathematical Psychology*, 39, 403-404.

Shanmugam, R. (1995) [Review of *A guide to econometrics* by Kennedy, P.]. *Statistics and Computing.*

Shanmugam, R. (1995) [Review of *SPC for the rest of us: A personal path to statistical process control* by Pitt, H.]. *Quality Progress*.

Shanmugam, R. (1994) [Review of *Practice of operational research*]. *Journal of Management Studies*, 32, 3-4, 1994.

Shanmugam, R. (1994) [Review of *Econometrics of information and efficiency*, by Sengupta, J.K.]. *The Statistician*, 290-291.

Shanmugam, R. (1994) [Review of *Statistics in practice*, by Blaisdell]. *American Statistician*.

Shanmugam, R. (1994) [Review of *Foundation of probability and statistics*, by Rinaman]. *American Statistician*.

Shanmugam, R. (1993) [Review of *Statistics in medicine*, by Dunstan, F. and Pickles, J.]. *Statistics in Medicine*, 12, 1272-73, 1993.

Shanmugam, R. (1993) [Review of *Errors, bias, and uncertainties in astronomy*, by Jascheck, C. and Murtagh, F.]. *Journal of Royal Statistical Society* (Series C: Statistician, 42, 80-82, 1993.

Shanmugam, R. (1993) [Review of *Applied statistics*, by Snell E.J. and Simpson, H.R.]. *Journal of Industrial Mathematical Society*, 43, 41, 1993.

Shanmugam, R. (1993) [Review of *Statistical methods in reliability theory and practice*, by Bunday, B.D.]. *Technometrics*, 35: 95.

Shanmugam, R. (1993) [Review of *Point processes and their statistical inference*, by Karr, A.F.]. *SIAM Journal of Reviews*, 34: 684, 1993.

Shanmugam, R. (1993) [Review of *Multivariate normal distribution*, by Tong, Y.L.]. *Journal of Royal Statistical Society* (Series C: Statistician 42, 69, 1993.

Shanmugam, R. (1993) [Review of *Exploratory linear dynamic systems analysis*, by Bijleveld, C.J.H.]. *Psychometrika*, 58: 515-516, 1993.

Shanmugam, R. (1993) [Review of *Estimating functions*, by Godambe, V.P.]. *Journal of American Statistical Association*, 88: 1172.

Shanmugam, R. (1993) [Review of *Henry Theil's contributions to economics and econometrics I, II, III,* by Raj, B. and Koerts, J.]. *Journal of Royal Statistical Society* (Series C: The Statistician), 42, 325, 1993.

Shanmugam, R. (1992) [Review of *Maximum entropy and Bayesian methods,* by Fougere, P.F.]. *Computational Statistics and Data Analysis* 14 (2, August): 269-270, 1992.

Shanmugam, R. (1992) [Review of *Point processes and their statistical inference,* by Karr, A.F.]. *SIAM Review*, 34, 684.

Shanmugam, R. (1992) [Review of *11th Advances in reliability technology symposium*, by Comer, P.]. *Computational Statistics and Data Analysis* 14 (2, August): 269-270, 1992.

Shanmugam, R. (1992) [Review of Statistical image processing and graphics, by Wegman, E.J. and DePriest, D.J.]. *Computational Statistics and Data Analysis* 14 (2, August): 269, 1992.

Shanmugam, R. (1992) [Review of *Assurance technologies: Principles and practices*, by Raheja, D.G.]. *Technometrics* 34: 233-234.

Shanmugam, R. (1992) [Review of *Statistical inference in elliptically contoured and related distributions*, by Fang, K.T. and Anderson, T.W.]. *Journal of American Statistical Association* 87: 253-254.

Shanmugam, R. (1992) [Review *of A guide to econometrics,* by Kennedy, P.]. *Journal of Statistics and Computing.*

6. **Other Works:**

Shanmugam, R. Encyclopedia of Statistical Sciences, Vol. 13, pp. 8192, 8196.

Shanmugam, R. Eva Geinarova of Faculty of Medicine, Masaryk University, Czech followed my work.

Shanmugam, R. Udaya Shetty in Managlore University, India does a follow up work on my publication in data envelopment analysis, 2006.

B. Works not in Print

1. **Papers Presented at Professional Meetings:**

Shanmugam, R. (2019) Physiologic Correlation between the Lengths of Spinal Curvature and Angles of Sitting on Saddle Chair to Alleviate Back Pain, FSSER Conference, Friday, 2 Aug 2019, Singapore.

Chattamvelli, R. and Shanmugam, R. (2019) A generating function for the Mean Deviation, in Indianapolis campus of Indiana University- Purdue University, Indianapolis, IN. 3rd October 2019. Invited Presentation.

Shanmugam, R. (2019) Importunity of Medical Tourism, Graduate School Poster Session, Texas State University.

Palani, A. (MHA student) and Shanmugam, R. (2018) Growing outbound medical tourism in USA: Cost effective or economic burden, Graduate School Poster Session, Texas State University.

Shanmugam, R. (2018) Imbalanced bivariate Poisson model to assess over-prescription phobia in healthcare: Big data analysis, accepted to appear in *European Alliance for Innovation (EAI) Endorsed Transactions on Big Data and Cloud Computing Challenges*, page numbers are pending.

Shanmugam, R. (2017) How not to lie with statistics? A case in point is "global warming" data analysis, *San Antonio Chapter of the American Statistical Association, 10 November 2017, 2-4PM.*

Shanmugam, R. Tripathi, R. and Singh, K. (2017) WHY IS ROAD SAFETY BETTER UNDER DRIVING IMPAIRMENT DUE to BOTH MARIJUANA and ALCOHOL THAN EACH SEPARATELY? DATA ANALYTICS ANSWERS, Transportation Statistics Interest Group (contributed paper), 2 August 2017, 11:20AM-12PM.

Shanmugam, R. (2016) Paradox in protection from earthquake versus tectonic glue based on geometric pattern of 21st century incidences, *invited presentation, Refereed Proceedings of Academics World International Conference, Singapore, 20th March 2016, ISBN: 978-93-85973-50-5,* pages 53-55.

Shanmugam, R. (2016) delivered an invited *keynote presentation* in with the title "Correlation and distance concepts together suggest impaired driving due to alcohol than marijuana is menace to road safety" in the 5th International Conference on Biometrics & Biostatistics, in Houston, Texas, 20-21 October 2016.

Shanmugam, R. (2015) Delivered an invited speech with the title "Gaussian nucleus entropy and use in generated, shipped, and received waste disposal policies" in the International Conference on Recent Innovation in Engineering and Technology (ICRIET) on 13-14 Feb 2015, at Mahabharathi Engineering College, Chinnasalem, Tamil Nadu, India.

Shanmugam, R. (2015) Delivered an invited speech with the title "Biostatistics can help to comprehend the shortage, illegal trade, and unmet demand of organ or tissue transplant", in Day 2 (17 November 2015), 13:50-14:119, *5th International Conference and Exhibition on Biometrics & Biostatistics,* San Antonio, Texas.

Shanmugam, R. (2014) C (alpha) method to check daunting over/under variances to understand times to aftershocks since a major earthquake, in the *refereed Proceedings of 2014 International Conference on Computer Science and Engineering, Chennai, India, Computer, Electronics, Electrical, and Communication, 59, 190-193.*

Shanmugam, R. (2013) Probabilistic health-informatics and bioterrorism, in the *refereed Proceedings of 2013 International Conference, Vancouver, Canada, on International Journal of Communication and Computer, 10, 28-32.*

Shanmugam, R. (2012) SIAM International Conference on Data Mining, Disney Paradise Pieer Hotel, Anaheim, California, USA.

Shanmugam, R. (2010, December 24) Paper presented in the International Conference on Computer Applications (ICCA 2010), Pondicherry, India.

Shanmugam, R. (2008, August) Paper presented in the Annual Conference of American Statistical Associations, Denver, Colorado.

Shanmugam, R. (2008, April) Presented as a co-author the following articles in the Faculty Student Research Forum.

Maxwell, L., Kubicek, L., Burk, A., Banduch, A., Burns, F., and Shanmugam, R. (2008) *Mental state development in children with down syndrome*.

Schiurring, C., Castillo, M., Zapata, J, Walling, L., Burns, F., and Shanmugam, R. (2008) *Parent child discourse among drug exposed and non-exposed mothers.*

Hale, K., Wissen, K., Roberts, C., Burns, F., and Shanmugam, R. (2008) *Maternal age and mental state use.*

Gregoire, S., Martinez, C., Castillo, A., Quinones, S., Tipps, J., Burns, F., and Shanmugam, R. (2008) *Diminutive use among young Mexican-Spanish speakers.*

Shanmugam, R. (2006, May) *Probability models for early warning system with tsunami applications.* Paper presented at Interface Meeting of Computer Science and Statistics, Pasadena, California.

Shanmugam, R. (2003, March) *Hispanic preschool children's emergent literacy skills.* Paper presented at the 2003 Texas Research Symposium on Language Diversity, University of Texas at Austin,

Shanmugam, R. (2003, June) *Modeling and interpreting sampling biased vaccine data.* Paper presented at the National Health Academy, Washington, D. C.

Shanmugam, R. (1999, July) *Teaching with Technology.* Paper presented at Colorado School of Mines, Golden.

Shanmugam, R. (1998) *Traffic accidents data analysis*. Seminar presented in CU-Denver.

Shanmugam, R. (1998, October) *Fuzzy set theory and statistics-I*. Paper presented at CU-Denver, Fuzzy Seminar.

Shanmugam, R. (1998) *Sample size determination*. Paper presented at CU-Denver, Statistics Seminar.

Shanmugam, R. (1998, March) *Possibilities versus probabilities*. Paper presented at University of Colorado, Denver.

Shanmugam, R. (1998, February) Traffic accidents and fatalities. Paper presented at University of Colorado, Denver.

Shanmugam, R. (1998, February) *Fuzzy sets in quality control*. Paper presented at University of Colorado, Denver.
Shanmugam, R. (1997, September) What is not what in statistics. Paper presented at University of Colorado, Denver.
Shanmugam, R. (1995, April) *Time series modeling*. Presented at the 25th Symposium of Mississippi Water Resources.
Shanmugam, R. (1995, March) *Poisson models*. Paper presented at the Mississippi Academy of Sciences, Biloxi.
Shanmugam, R. (1994, October) *Accident data analysis*. Seminar at Mississippi State University.
Shanmugam, R. (1994, June) *Modeling in international conference on life studies*. Paper presented at Harvard University.
Shanmugam, R. (1993, December) Quality engineering. Presented at Indo-US-Japan Conference on Quality Engineering, Bangalore, India.
Shanmugam, R. (1993, September) *Intervened Poisson model.* Paper presented at Mississippi S*tate University.*
Shanmugam, R. (1992, March) *Modeling health chance mechanism.* Presented at Mississippi State University.
Shanmugam, R. (1990, January) *Queuing models in Islamic countries*. Presented at Conference on Statistics, Malaysia.
Shanmugam, R. (1989, November) *Decision model.* Paper presented in Annual Meeting of the Decision Sciences Institute.
Shanmugam, R. (1988, January) *Modeling*. Presented at Indian National Science Congress, Madurai, India.
Shanmugam, R. (1986, March) *Neyman's C technique*. Presented at Rocky Mountain Regional Conference, Denver.
Shanmugam, R. (1979-2001, August) Presentation at Annual Meetings of the American Statistical Association.

2. **Invited Talks, Lectures, and Presentations:**

Shanmugam, R. (25 Sep 2020), Presented a research talk on *"Data science versus cornea",* Department of Mathematics, Texas State University, San Marcos.
Shanmugam, R. (2 Oct 2020), Presented the inaugural talk as President of the San Antonio Chapter of the American Statistical Association on "What does data science to do with cornea?", Virtual using zoom link.

Chattamvelli, R. and Shanmugam, R. (2019) A generating function for the Mean Deviation, in Indianapolis campus of Indiana University- Purdue University, Indianapolis, IN. 3rd October 2019. Invited Presentation.
Shanmugam, R. (2019) Physiologic Correlation between the Lengths of Spinal Curvature and Angles of Sitting on Saddle Chair to Alleviate Back Pain, FSSER Conference, Friday, 2 Aug 2019, Singapore.
Shanmugam, R. (2018) Imbalanced bivariate Poisson model to assess over-prescription phobia in healthcare: Big data analysis, accepted to appear in *European Alliance for Innovation (EAI)*

Endorsed Transactions on Big Data and Cloud Computing Challenges, page numbers are pending.

Shanmugam, R. (2017) How not to lie with statistics? A case in point is "global warming" data analysis, *San Antonio Chapter of the American Statistical Association, 10 November 2017, 2-4PM.*

Shanmugam, R. (2016) Paradox in protection from earthquake versus tectonic glue based on geometric pattern of 21st century incidences, *invited presentation, Refereed Proceedings of Academics World International Conference, Singapore, 20th March 2016, ISBN: 978-93-85973-50-5,* pages 53-55.

Shanmugam, R. (2016) delivered an invited *keynote presentation* in with the title "Correlation and distance concepts together suggest impaired driving due to alcohol than marijuana is menace to road safety" in the 5th International Conference on Biometrics & Biostatistics, in Houston, Texas, 20-21 October 2016

Shanmugam, R. (2015) Delivered an invited speech with the title "Gaussian nucleus entropy and use in generated, shipped, and received waste disposal policies" in the International Conference on Recent Innovation in Engineering and Technology (ICRIET) on 13-14 Feb 2015, at Mahabharathi Engineering College, Chinnasalem, Tamil Nadu, India.

Shanmugam, R. (2015) Delivered an invited speech with the title "Biostatistics can help to comprehend the shortage, illegal trade, and unmet demand of organ or tissue transplant," in Day 2 (17 November 2015), 13:50-14:119, *5th International Conference and Exhibition on Biometrics & Biostatistics,* San Antonio, Texas.

Shanmugam, R. (2010, December 27) Invited to give a keynote speech in the Second International Conference on Computer Applications – 2010, Pondicherry, India.

Shanmugam, R. (2010, January) *What else does a statistical modeling of epileptic data can reveal?* Invited presentation at the International Conference on Statistics, University of Andra Pradesh, Vizakhapatnam.

Shanmugam, R. (2009, October) *Issues and approaches in infectious disease data modeling.* Invited presentation at Texas A and M University, Kingsville

Shanmugam, R. (2009, February) Invited presentation at the Statistics Department of the University of Chennai, India about modeling earthquake/tsunami data.

Shanmugam, R. (2007, January) Invited presentation at the International Association of Statistics, Cochin, India.

Shanmugam, R. (2006, May) Invited presentation at the Interface of Statistics and Computer Science, Pasadena, California.

Shanmugam, R. (2005, December) Invited presentation at the International Conference on Statistics of 21st Century, Indian School of Finance, Hyderabad, India.

Shanmugam, R. (2005, February) Invited presentation at Center for Health Promotion Research, School of Nursing, University of Texas at Austin.

Shanmugam, R. (2004, December) Invited presentation at Conference on Future of Statistical Theory and Applications, Indian School of Business, Hyderabad, India.

Shanmugam, R. (2004, November) *Modeling epidemiologic data*. Invited presentation at University of Texas at San Antonio.

Shanmugam, R. (2002, June) *At a crossroad of data envelopment*. Invited presentation at the Annual Meeting of National Health Academy, Washington, D. C.

Shanmugam, R. (1994) *Poisson modeling*. Invited presentation at the Department of Statistics, University of Maine, Orono.

Shanmugam, R. (1994, September) *Fertility*. Invited presentation at the International Conference on Applied Demography, Bowling Green, (1994 and chaired a session)
Shanmugam, R. (1993, January) *Sampling plans and process*. Invited presentation at Indo-US-Japan Conference, Bangalore, India.
Shanmugam, R. (1992, November) *Revised MELO estimation*. Invited presentation at Duke University, Durham.
Shanmugam, R. (1991, June) *Bayesian thoughts*. Invited presentation at Massachusetts Institute of Technology.
Shanmugam, R. (1990, June) *Bayesian simulations*. Invited presentation at University of Connecticut Health Center, Farmington.
Shanmugam, R. (1989, January) Indian Science Congress on Purchasing Behavior, Madurai, Tamil Nadu, India.
Shanmugam, R. (1989, October) *Bayesian*. Invited presentation at University of Chicago.
Shanmugam, R. (1989, March) *Bayesian*. Invited presentation at University of Missouri, Columbia.
Shanmugam, R. (1987, January) *Statistical modeling in health*. Invited presentation at all India Seminar on Statistical Modeling in Health at Jhansi, India.
Shanmugam, R. (1987, January) *Order-record statistics*. Invited presentation at the Indian Statistical Institute, Delhi, India.
Shanmugam, R. (1987) *Statistical moments*. Invited presentation at Temple University, Philadelphia.
Shanmugam, R. (1987) J.B.S. Haldane Research Center, Nagerkoil
Shanmugam, R. (1987, December) *Bayesian statistics*. Invited presentation at Indo-United States Workshop in Bayesian Statistics, Bangalore.
Shanmugam, R. (1986) *Characterizations*. Invited presentation at University of California at Riverside.
Shanmugam, R. (1985, October) Invited presentation at Biostatistics Department, University of Colorado Health Sciences Center, Denver.

3. **Consultancies:**

Shanmugam, R. (2016) *Reviewer,* NSF, Washington DC. 24 January 2016
Shanmugam, R. (2016) *Reviewer,* NIH, Washington DC. 23-25 March 2016
Shanmugam, R. (2016) *Reviewer,* NASA, in Crystal City, VA office near Washington DC. 12, May 2016
Shanmugam, R. (2016) *Member, Transportation Section Interest Group, American Statistical Association 2016*
Shanmugam, R. (2009-prersent) Helped Dr. Buck Wallis to analyze physical therapy data.
Shanmugam, R. (2008) Helped Professor George Burke in his research work on long-term healthcare topics and the collaboration is continuing.
Shanmugam, R. (2006) Panel Member of Crash Outcomes Data Evaluation Systems, Texas Department of Health, Austin, Texas.
Shanmugam, R. (2006, April) Discussant to Texas Healthcare Information Collection.
Shanmugam, R. (2006) Helped Professor George Burke in his research work.
Shanmugam, R. (2006, March) Consultant and Reviewer to U.S. Department of Justice.
Shanmugam, R. (20060. Consultant and Reviewer to NIH panels.

Shanmugam, R. (2004-present) Statistical Consultant, Center for Health Promotion Research, University of Texas at Austin, School of Nursing.
Shanmugam, R. (2003-2005) Statistical Consultant, Brooke Army Medical Center Hospital, San Antonio, Texas.
Shanmugam, R. (2001- 2004) Statistical Consultant to Professor Lorraine Walker's (Luci B. Johnson Centennial Professor, School of Nursing, University of Texas at Austin) funded project.
Shanmugam, R. (1993 -1995) Director, Statistical Consulting Service, Department of Mathematics and Statistics, Mississippi State University.
Shanmugam, R. (1990-1992) Statistical Consultant for: Stroke Management Inc., Boulder, Colorado.
Shanmugam, R. (1991-1992) L. E. Peabody and Associates Inc., Alexandria, VA.
Shanmugam, R. (1991-1993) Coors Brewing Company, Golden, Colorado.
Shanmugam, R. (1993-2004) TransLab Research Projects, University of Colorado.

4. **Workshops:**
5. **Other Works not in Print**

a. Works "submitted" or "under review":
b. Works "in progress":
c. Other Works not in Print:

C. Grants and Contracts

1. **Shanmugam, R.** (05/15/2024-08/14/2024) Obtained a sub-contract from the University of Texas – Tyler, Tyler, TX 75708-3154 to work on "Examining the Social and Economic Costs of Undertreated Mental Health Conditions among Underserved Individuals Living in an Underserved and Primarily Rural Region of Texas" with a funded grant # 6645-SC24-19 Grant: 8000004435 for 19,184.13.
2. Beauvais, Bradley Michael (Principal), Pradhan, Rohit (Co-Principal), Mileski, Michael (Co-Principal), Manning, Amelia Des Jardins (Supporting), **Shanmugam, Ram** (Supporting), Wang, Tiankai (Supporting) The Financial Implications of CMS Minimum Staffing Standards on Texas Long-Term Care Facilities, Williamson Fund, Texas State University, $10,000.00. Grant. Beauvais_Williamson_Fund_Application_5_30_24-1.docx.
3. Biediger-Friedman, Lesli M (Principal), Qasem, Apan Muhammad (Co-Principal), Villagran, Melinda Morris (Co-Principal), Johnson, Cassandra (Co-Principal), Renick, Cecil O (Co-Principal), Hwang, Sangchul Scott (Supporting), Mendez, Francis A (Supporting), Sen, Keya (Supporting), Ramamonjiarivelo, Zo H (Supporting**), Shanmugam, Ram (Supporting**), Charles, Joni S J (Supporting) NUEVA - Nutrition for Underserved Elders Via Application, United States Department of Health and Human Services - Administration for Community Living, Federal, $2764270. (Submitted: March 10, 2022, Funded: August 1, 2022 - July 31, 2027) Continuing Grant in 2024-2025

1. **Funded External Grants and Contracts:**
Shanmugam, R. (2022) applied for NIH R03 grant. The details are below.

SF 424 (R&R) APPLICATION FOR FEDERAL ASSISTANCE — **Page 2**

14. PROJECT DIRECTOR/PRINCIPAL INVESTIGATOR CONTACT INFORMATION

Prefix: Dr. | First Name*: Ramalingam | Middle Name: | Last Name*: Shanmugam | Suffix: Ph.D

Position/Title: Professor
Organization Name*: Texas State University
Department: School of Health Administration
Division: College of Health Professions
Street1*: 601 University Drive
Street2: ENC 262
City*: San Marcos
County: Hays County
State*: TX: Texas
Province:
Country*: USA: UNITED STATES
ZIP / Postal Code*: 78666-4684
Phone Number*: 512-245-9772 | Fax Number: | Email*: grants@txstate.edu

15. ESTIMATED PROJECT FUNDING

a. Total Federal Funds Requested*	$162,946.00
b. Total Non-Federal Funds*	$0.00
c. Total Federal & Non-Federal Funds*	$162,946.00
d. Estimated Program Income*	$0.00

16.IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?*

a. YES ○ THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE:

b. NO ● PROGRAM IS NOT COVERED BY E.O. 12372; OR

○ PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW

17. By signing this application, I certify (1) to the statements contained in the list of certifications* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances * and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)

● I agree*

** The list of certifications and assurances, or an Internet site where you may obtain this list, is contained in the announcement or agency specific instructions.*

18. SFLLL or OTHER EXPLANATORY DOCUMENTATION | File Name:

19. AUTHORIZED REPRESENTATIVE

Prefix: | First Name*: Kay | Middle Name: | Last Name*: Beauchamp | Suffix:

Position/Title*: Director, PreAward Support Services
Organization Name*: Texas State University
Department: Office of Research and Sponsored Programs
Division:
Street1*: 601 University Drive
Street2: JCK 420
City*: San Marcos
County: Hays county
State*: TX: Texas
Province:
Country*: USA: UNITED STATES
ZIP / Postal Code*: 78666-4684
Phone Number*: 512-245-2101 | Fax Number: 512-245-1822 | Email*: grants@txstate.edu

Signature of Authorized Representative*
Completed on submission to Grants.gov

Date Signed*
10/10/2022

20. PRE-APPLICATION File Name:

21. COVER LETTER ATTACHMENT File Name:

Shanmugam, R. (2008) Helped Professor Selina Vasquez in Mathematics Department in a funded project as its consultant.

Shanmugam, R. (2004-2005) Biostatistics Consultant to Dr. Charles Johnson's Research Grant on Mental Health, Texas State University-San Marcos (25% time), $ 11,275.

2. **Submitted, but not Funded, External Grants and Contracts:**

Shanmugam, R. and Burns, F. (2007, October) Research grant. Department of Communications in Disorders, NIH.

Shanmugam, R. and Deng, H.W. (2006) Genome-wide search for obesity genes, Grant proposal to NIH, (Decision is pending)

Shanmugam, R. (2005) Biostatistics consultant to National Institute of General Medical Sciences grant Project CSTEP Counts: Entry and Transition to a Mathematics Baccalaureate by Dean Dr. Ruth Welborn as Principal Investigator.

Shanmugam, R. (2003) Working as a co-PI with Dr. Gayle Acton, Professor in School of Nursing, University of Texas at Austin, on a Proposal titled Health Promoting Self Care in Dementia Caregivers to be submitted in November 2003 to NIH for $850,000.

Shanmugam, R. (2002, December) Stochastic Models and Statistical Methodologies for Drug Reaction Time to Drug Information Association, grant proposal $25,000.

3. **Funded Internal Grants and Contracts:**

Shanmugam, R. (2010) Library Research Grant, Texas State University-San Marcos, $1,170

Shanmugam, R. (2002) Library Research Grant, Texas State University-San Marcos, $ 578.

Shanmugam, R. (2002) Applied to Merrick Summer PowerPoint Project, April 23, 2002. $100.

Shanmugam, R. (2001) Library Research Fund, Texas State University-San Marcos, $ 1,143.

Shanmugam, R. (1998-1999) Faculty Research Grant, University of Colorado at Denver, $ 2,575 (for generalized regressions)
Shanmugam, R. (1994) obtained an Award of $200.00 from the Academic Excellence Committee of MSU to present a paper at the Harvard Symposium on Survival Analysis.
Shanmugam, R. (1992) National Bureau of Economic Research Travel Grant, $ 500.
Shanmugam, R. (1992) Grant, University of Colorado at Denver, $ 500.

4. **Submitted, but not Funded, Internal Grants and Contracts:**
Shanmugam, R. (2012) Applied online course teaching, Texas State University - San Marcos.
Shanmugam, R. (2011) Medical tourism Books, Library Research Grant Application #03-318-048.
Shanmugam, R. (2009) Submitted a grant proposal titled Onetime proposal for funds to support research work, to Texas State University-San Marcos, $ 600
Shanmugam, R. (2002) Submitted a grant proposal titled Predicting future Incidence of an Infectious Diseases After an Effective Medical Intervention to SWT Research Enhancement Grant, December 2002, $ 8,000.
Shanmugam, R. (2002) Submitted a research grant proposal with Drs. Walter Rast and Ben Zhang titled Modeling hydrological and Biological Responses in the Lower Colorado River, Texas to U. S. Environmental Protection Agency, July 17, 2002.
Shanmugam, R. (2002, October) Submitted a grant proposal titled Health Data Center and a Think Tank for San Marcos Springs/River Water Resources to the SWT International Institute for Sustainable Water Resources, $24,620.
Shanmugam, R. (2002, November) Submitted a research grant proposal titled Intervened Poisson Regression Methodology and Software Development to National Science Foundation (NSF), $ 311,346.
Shanmugam, R. (2001) Submitted to (Mr. Michael A. Jordan, Jr.) Brook Army Medical Center, a proposal to perform data analyses in Outcomes from a nurse-managed COPD rehabilitation program, $ 13,000.
Shanmugam, R. (2001) Submitted to (Major Kimberly K. Smith) Brook Army Medical Center, a proposal to perform data analyses in Evaluation of Staff's Retention of BCLS and ACLS Skills, $ 13,000.
Shanmugam, R. (2001) Submitted to (Mr. Paul C. Lewis) Adult Practice Network Clinic, a proposal to perform data analyses in Community Based Smoking Prevention in Military Schools, $ 13,000.

D. Fellowships, Awards, Honors:
Shanmugam, R. (2015) Nominee for the President's award for research & creative activities from the College of Health Professions. The letter mentions:

> "Dr. Shanmugam, I am pleased to inform you that you were selected as a CHP nominee for the Presidential Awards for Excellence in the area of Scholarly/Creative Activities. Your name and contact information have been submitted to Mr. Whitten Smart and he will contact you with further instructions.
> Congratulations,
> **Kelly Dunn**
> ***Administrative Assistant III***
> ***Texas State University***

College of Health Professions
Office of the Dean
Kb47@txstate.edu
(512)245-3300."

Shanmugam, R. (2013) The editors of the *Journal of Medical Systems* and *Journal of Modern Applied Statistical Methods* informed me by e-mails that my articles with the titles (1) A diagnostic methodology for hazy data with border line cases, 2010, pages 161-177, (2) Correlation between the number of epileptic and healthy children in family size that follows a size biased modified power series distribution, 2006, pages 458-463, (3) Correlation between the sample mean and sample variance, 2008, pages 408-415, and (4) Is next twelve months period tumor recurrence free under restricted rate due to medication? A probabilistic warning, 2011, page numbers 329-336 have become popular articles as the viewers downloaded them.

Shanmugam, R. (2013) Runner up for Dean's Award for Excellence in Research and Creativities.

Shanmugam, R. (2008) Dean's Award for Excellence in Research and Creativities.

IV. Service
A. Institutional
1. University:

Ram Shanmugam (2024) is the CHP Chair assigned by Faculty Senate for the UNIVERSITY'S COLLEGE RESEARCH ENHANCEMENT COMMITTEE (CREC)	2017-2020
Ram Shanmugam (2024) is a member of the FACULTY DEVELOPMENT AND RESEARCH COMMITTEE in the College of Health Professions.	
Member of the Senate's Survey Committee	
Member of the Assistant Vice President for International Affairs Search Committee	2017-2018
Attended Workshop on challenges of work environments (Dr. Bhalodia)	2016
University Lecturers Committee	2016
Parking Appeals Committee	2016
External member to the Tenure & Promotion Committee, College of Engineering and Science	2016
Parking Appeals Committee for a three-year term	2015
University Lecturers Committee	2015
Faculty Nominee to serve on outside college review	2015
Alternate Nominee to serve in General Education Council	2015
Contributed for the *University Lecturers Committee*	2014
Contributed for the *University's Piper Professor Committee*	2014
Contributed to the *University Senate Committee*	2014
Contributed for the *University General Education Council*	2014
Contributed for the *International Faculty Appreciation*	2014

Attended and participated in the *Piper Awards Committee*	2013
Assisted the Summer Commencement as *Graduate Marshall*	2013
Attended and participated *MIRG meetings*	2013
Attended and participated meetings for the *Presidential Research Award*	2013
Attended and participated in the *University Lecturers Committee*	2013
Senate *liaison* for the School of Health Administration	2013

Attended to the *University Academic Standards Committee*	2013
Member of *Tenure & Promotion Committee of School of Business*	2012
Member of the *University's Piper Professor Selection Committee*	2012-2013
Elected Member to the *University's Senate* by the SOHA	2012
Member of *University's Lectures Committee (Chair: Dr. Colombik)*	2012-2013
Member of the *University Lecturers Committee*,	2011-2013
Member of the McCoy College of Business Review Group Committee,	2011-2012
Member of the College of Health Professions Review Group,	2011
Attended the 3rd International Conference for Graduate Students,	2011
Member of the Faculty Development and Advancement Committee,	2011
Member of the General Education Council,	2011
Member of the University's College Research Enhancement Committee,	2011
Attended CHP Research Share and Tell,	2011
Member of the Charles and Linda Johnson Scholarship Committee,	2011
Judge and moderator, Second International Research Conference for Graduate Students, Texas State University	2010
Member of the University Lectures Committee, Texas State University	2010
Nominee for the College Review Group, College of Health Professions, Texas State University	2010
Member of the General Education Council, Texas State University.	2009 -2012
Chair, Faculty Development and Advancement, College of Health Professions, Texas State University.	2009-2012
Member of the College Research Enhancement Committee, College of Health Professions, Texas State University.	2009-2012
Helped graduate students Lisa Hunter and Tracy Kuramitsu to analyze. their clinical lab data.	2009
Member of the Examination Committee for Tamara Tarbox, Department of Engineering Technology.	2009
Attended the commencement, Texas State University.	2009
Member of the Library Committee, Texas State University.	2009
Commencement Graduate Marshall, College of Health Professions.	2008
Spring 2008, Member of the University Research Committee (URC) Member of the Library Committee.	2008
Donated books to the Texas State University library.	2008
September 27-28, Attended the 30th Annual Conference and Workshop on Policy and Diversity in Texas: Allied Health's Response, hosted by Texas State University-San Marcos.	2007
Member of the University Research Committee (URC)	2007
Participated and worked in Faculty Development and Advancement Committee, College of Health Professions.	2007-2012
Member of the Library Representative.	2007
Chaired Research Committee in College of Health Professions.	2004-2012
Quality Review Committee for College of Health Professions.	2004-2005
27 August, Participated in the Institutional Effectiveness Committee.	2004
Committee for Faculty Advancement and Development, College of Health Profession.	2004-2012

Served Provost Search Committee, Texas State University, San Marcos, Texas.	2004-2003
Member of the President's Task Force on Students' Admissions to Texas State University-San Marcos.	2003-2012
Member of Provost Search Committee, Texas State University, San Marcos, Texas.	2003-2004
Member of the Newsletter Committee for publishing Health-Beats.	2002-2003
Member of the Ph.D. Task Force in Health.	2002-2004
University Tuition Pricing Committee.	2001-2012
in Health Careers Information Committee.	2001
Member of Campus Wide Budget Committee.	2001-2005
Liaison to University Faculty Senate.	2001-2005
Faculty Development and Advancement Committee.	2001
Sept. 13, Attended Satellite Teleconference on Responsible Research.	2001
Nominated to serve on Dr. Robert Smallwood's Committee on NSSE Outcomes.	2001
Invited by University of Nevada, Las Vegas to write a referee report for a promotion to full professorship.	2001

2. College:

Ram Shanmugam (2024) is the CHP Chair assigned by Faculty Senate for the UNIVERSITY'S COLLEGE RESEARCH ENHANCEMENT COMMITTEE (CREC)

Ram Shanmugam (2024) is a member of the FACULTY DEVELOPMENT AND RESEARCH COMMITTEE in the College of Health Professions.

Participated all CHP meetings in Round Rock as well as in San Marcos. The details are:

Scroll Ceremonon, Friday Sep 9



Kruse, Scott
To ⊞SOHA Faculty

Good afternoon, SOHA.

Friday is our Scroll Ceremony and student IPE from 1:00-5:30PM at the United Heritage Center at Dell Diamond.
The Scroll Ceremony is scheduled from 1-2 and the student IPE will be held on main campus.
Class/department photos will be taken after the ceremony, as we have done previously.
Faculty may depart after the photos, but if you would like to stick around and help with the IPE, Jerry and the IPE Committee would be happy for the help.

The address for the event center is:
3400 E Palm Valley Blvd, Round Rock, TX, United States
Google says it takes about an hour to get there from campus. I encourage faculty to carpool, if you don't live in the Austin area.
My car is full: I am carrying Keya, Zo, and Brad. I plan to depart around 11:30 (11 if we stop for lunch).
Oren also offered to drive, in case you want to ride instead of drive.

SK

Participated and expressed opinion on the search for new dean of the College of Health Professions. The detail is

RE: Listening Sessions for the College of Health Professions Dean Search

DT Dean, The Graduate College
To Dean, The Graduate College
Cc Golato, Andrea; Miller, Abigail

Dear colleagues,

One further note about the listening sessions and survey – anyone interested in applying internally for this Dean position should plan *not* to attend the sessions or respond to the survey. all applicants. We appreciate your understanding on this matter.

Best,
Andrea Golato, Ph.D.
Dean, The Graduate College
Professor of German

Texas State University
601 University Drive
San Marcos, TX 78666-4684
Phone: 512.245.2581
agolato@txstate.edu

gradcollege.txstate.edu
facebook.com/TXSTGradCollege
@GolatoAndrea

Chair, Personnel Committee, Department of Communications Disorders, College of Health Professions	2020
Member, College Review Committee	2020
Faculty Development and Advancement Committee (FDAC)	2020
College Research Enhancement Program Committee or (CREC)	2020
Member of Tenure & Promotion Committee	2020
Attended the "Health Professions Career Fair event	2018
Helped Joanna Ellis, Clinical Assistant Professor & Clinical Coordinator	2018
volunteered to lead a small group discussion for the IPE session Friday	2016
Helped colleague Angela J. Rich in PT department on research design	2016
Facilitator, CHP, and Inter-Professional Education (IPE) Committee to conduct IPE small group session after the Scroll Ceremony	2016
Research Enhancement & Promotion (REP) Committee	2015
Scroll Ceremony Meeting	2015
Alternate to attend the university REP committee	2015
College Review Committee	2015
Contributed to the *School of Nursing Personnel Committee*	2014
Contributed for the *Research Enhancement Committee*	2014
Contributed for the *Faculty Development Committee*	2014
Contributed and evaluated colleagues *Teaching Committee*	2014
Nominated member to the *College's Review Group*	2013
Member, *School of Nursing's Personnel Committee*	2013
Member of *Faculty Development and Advancement Committee*	2013
Attended and participated in the *College's Research Enhancement Committee*	2013
Member of *General Education Council*	2013
(Alternate) Member of *University's College Research Enhancement*	2013
Attended all *CHP Research Brown Bag meetings*	2013
Attended Faculty *Project Information for Dr. Susan Fenton*	2013

Attended and participated as *Graduate Marshall in the commencement* 2013

Attended *brown-bag research roundtable meetings*	2013
Attended and participated in *University's College REP Committee*	2013
Did classroom visit of Drs. Amanda Sokan, Amber McIlwain	2013
Attended the College's 40th meeting	2012

3. Department/School:

Ram Shanmugam (2024) is a member of the Comp Exams:

1. Brady Jenschke, MLTCA program
2. Charlene Cheng, MLTCA program
3. Sadhana Nandanavanam, MHA program

Ram Shanmugam (2024) is advisor to the MHA students:

Habib, Sakina <vhr18@txstate.edu>;
Khalid, Mohammad I <mik15@txstate.edu>;
Khan, Salman <eeu12@txstate.edu>;
Nandanavanam, Sadhana <ewl28@txstate.edu>;
Vairagi, Shymal Pradeep <vairagishymal@txstate.edu>;
Salazar, Isabella R irs35@txstate.edu;
Ekechi, Ngozi rts84@txstate.edu;

Ram Shanmugam (2024) is Chair of the Personnel Committee (PC):

Ram Shanmugam (2024) attended BHA & MHA orientation in Spring and Fall semesters, 2024.

Ram Shanmugam (2024) advisor to MHA students.

Ram Shanmugam (2024) is a mentor for Dr. Rohit Pradhan, a tenure track associate professor. I wrote the letter for Dr. Rohit Pradhan for the PC.

Ram Shanmugam (2024) wrote the letter for Dr. Brad Beauvais, a tenure track associate professor for the PC.

Ram Shanmugam (2024) is a mentor for Dr. Zo Ramamonjiarivelo, a tenured associate professor.

Served as advisor to MHA students (Miranda Shelby, Manasa Gattu)

Re: MHA program faculty advisor

MS Miranda, Shelby K
To Shanmugam, Ram

Hi Dr. Shanmugam,

Wednesday at 1 pm works for me.

From: Shanmugam, Ram <shanmugam@txstate.edu>
Sent: Thursday, September 15, 2022 6:00 PM
To: Miranda, Shelby K <skm130@txstate.edu>
Subject: RE: MHA program faculty advisor

Hi Shelby: Welcome to our program. I could meet and discuss with you in my office (Enc 262) on Wednesday 1-3PM for 30 minutes.

Thanks,
Ram
Reply to
Ram Shanmugam, Ph. D., MS (math stat), MS (applied stat), MS (operations research), EFISI, FASA,
Honorary Professor, School of Health Administration
Texas State University, San Marcos, TX 78666, USA.
Email: rs25@txstate.edu,

Re: MHA program faculty advisor

MS Miranda, Shelby K
To Shanmugam, Ram

Hi Dr. Shanmugam,

Wednesday at 1 pm works for me.

From: Shanmugam, Ram <shanmugam@txstate.edu>
Sent: Thursday, September 15, 2022 6:00 PM
To: Miranda, Shelby K <skm130@txstate.edu>
Subject: RE: MHA program faculty advisor

Hi Shelby: Welcome to our program. I could meet and discuss with you in my office (Enc 262) on Wednesday 1-3PM for 30 minutes.

Thanks,
Ram
Reply to
Ram Shanmugam, Ph. D., MS (math stat), MS (applied stat), MS (operations research), EFISI, FASA,
Honorary Professor, School of Health Administration
Texas State University, San Marcos, TX 78666, USA.
Email: rs25@txstate.edu,

I served in the CHP REP committee and obtained internal grants for SOHA faculty. The detail is

REP Scoring Updates

IF Irani, Farzan
To Shanmugam, Ram; Myers, Danette L; Redwine, Gerald D; Stickley, Lois A; Collins, Kevin; Mohan, Ranjini; Tufano, Virginia E
Cc Ari, Arzu

Reply | Reply All

Dear CHP REP Committee Members,

First, thank you for an efficient and productive meeting last Friday. I think we have some very strong proposals this year and am keeping my fingers crossed for more high quality proposals next year.

During our discussion, two issues came up that I needed to discuss up the chain at UREC. I have heard back from "above" and here is the guidance provided:

Issue #1 Disqualification: To #1. Do nothing. When reporting the scores, just write disqualified and provide justification that would be given to the candidate upon request.

Issue #2 Budget For Equipment: To #2. Please proceed without reflecting on, or factoring in, your knowledge of the existence of similar or comparable equipment requested in the proposal in your department. T
should evaluate the proposal on its strength and merit and in line with your rubric, which I am sure does not say, "zero for requesting in your budget equipment that department may own" (just as example). Buc
evaluated based on the criteria in your rubric.
Were the reviewers not in your department, they would not know about the existence of analogous equipment, and it would not be an issue.
Another way to view it is office computers. We get workplace computers, but we can budget for a laptop or computer specifically for a project in our REP proposal.
And yet another final way to see it is salary. We all get salary, yet we can request summer salary from our REP proposal...

I hope this clarifies. Please let me know if there are any further questions.

COMMUNICATION DISORDERS

Farzan Irani, Ph.D., CCC-SLP (he/him/his)
Professor
Department of Communication Disorders
Willow Hall 249
Texas State University
Round Rock, TX 78665-8017
Webpage: http://www.health.txstate.edu/slhclinic/programs/cstp.html
Email: firani@txstate.edu
Phone: 512-716-2618

I participated in all Search Committee meetings, seminars etc. for SOHA.

I attended all statistics seminar organized in the Department of Mathematics, Texas State University, San Marcos,

On behalf of SOHA, I participated in the CHP's Panel on "Informatics" in Round Rock campus. The detail is:



Thank you

RC Russian, Chris
To Hewitt, Barbara A; Ekin, Tahir; Fulton, Lawrence V; Shanmugam, Ram

Reply Reply A

Good morning, Drs. Hewitt, Fulton, Tahir, and Shanmugam. The Faculty Development and Research Committee would like to extend a huge appreciation for your participation in our first FDRC Panel Discussio contributions to the discussion provided wonderful insight into successful research activities. We had excellent attendance online and in-person, which demonstrates the interest our community has for your schol for sharing your time and knowledge with us.

Sincerely,
Chris Russian
Chair-Fac Dev & Res Comm

TXST NEXT

Chris Russian, PhD, RRT, RPSGT, FAARC
Professor, Program Coordinator
Master of Science in Respiratory Care
Department of Respiratory Care
Texas State University

Phone: 512-716-2697
Fax: 512-716-2805
Address: 200 Bobcat Way, Willow Hall, Suite 214, Round Rock, TX 78665

I visited classes of tenure track faculty.

RE: Teaching Evaluation Invitation



Shanmugam, Ram
To Betancourt, Jose A

Dr. Ram Shanmugam's Peer Evaluation of Dr. Jose Betencourt's Classroom Performance.doc
.doc File

Jose: Attached please find evaluation of your teaching. I enjoyed your teaching style. Please keep up the great teaching

Thanks,
Ram
Reply to
Ram Shanmugam, Ph. D., MS (math stat), MS (applied stat), MS (operations research), EFISI, FASA,
Honorary Professor, School of Health Administration
Texas State University, San Marcos, TX 78666, USA.
Email: rs25@txstate.edu,

From: Betancourt, Jose A <jose.a.betancourt@txstate.edu>
Sent: Wednesday, February 16, 2022 5:20 PM
To: Shanmugam, Ram <shanmugam@txstate.edu>
Subject: RE: Teaching Evaluation Invitation

Thank you so much, Dr. Ram!

Jose A. Betancourt, DrPH
Associate Professor and Director, Bachelor of Healthcare Administration Program
Lieutenant Colonel (Retired), United States Army
School of Health Administration
Texas State University
Phone: (210) 355-2119
email: jose.a.betancourt@txstate.edu

Re: class visit

PR

Pradhan, Rohit
To Shanmugam, Ram

Thank you so much! I really appreciate it!

Rohit Pradhan, Ph.D.
Associate Professor
School of Health Administration
Texas State University
Office: ENC 264
Phone: +1 (512) 245-6529
Email: pradhan@txstate.edu

I wrote letters of recommendation for our MHA students to get job like the following:

RE: Professional Reference Check for Janki Patel

Shanmugam, Ram
To Rachel Armstrong

Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

Hello Rachel: Yes, I know Ms. Janki Patel. She was my TA. She took a course from me. Janki is an excellent student, smart, always active, polite, sincere, honest, and very trustable with an assignment. I strongly support her ca
your place. You will be delighted to have hired her. I will mention specifics below as you asked.

Thanks,
Ram
Reply to
Ram Shanmugam, Ph. D., MS (math stat), MS (applied stat), MS (operations research), EFISI, FASA,
Honorary Professor, School of Health Administration
Texas State University, San Marcos, TX 78666, USA.
Email: rs25@txstate.edu,

From: Rachel Armstrong <rarmstrong@aledade.com>
Sent: Monday, August 15, 2022 7:53 AM
To: Shanmugam, Ram <shanmugam@txstate.edu>
Subject: Professional Reference Check for Janki Patel

Hello Dr. Ram Shanmugam,

RE: Letter of Recommendation

Shanmugam, Ram
To Molina-Nava, Anna

This is a letter of recommendation for Annamaria Molina.pdf
.pdf File

Hi Anna: Attached is copy for you, I submitted it online to MD Anderson. Good luck to you!!

Thanks,
Ram
Reply to
Ram Shanmugam, Ph. D., MS (math stat), MS (applied stat), MS (operations research), EFISI, FASA,
Honorary Professor, School of Health Administration
Texas State University, San Marcos, TX 78666, USA.
Email: rs25@txstate.edu,

From: Shanmugam, Ram
Sent: Saturday, September 10, 2022 8:18 AM
To: Molina-Nava, Anna <a_m475@txstate.edu>
Subject: RE: Letter of Recommendation

Anna: Yes, I would be happy to.

Liaison to Library Collection - Archives & Research Center	2020
Search Committee member	2020
Personnel Committee member	2020
MHA comp committee (1 Chair, 1 Committee member)	2020
Faculty mentor to Dr. Lola Adepoju, new Assistant Professor	2016
Faculty mentor to Dr. Michael Mileski, Assistant Professor	2016
Search Committee member	2016
MHA Admission Review Committee	2016
Health Professions Career Fair event (22 Sep 2015)	2015
SOHA's library liaison	2015
SOHA's personnel committee	2015
SOHA's search committee	2015
MHA's comp committee	2015
Communicated with graduate students to get a job in Lockheed Martin	2015
Wrote letters of recommendation to 6 graduate students	2015
Helped a research faculty in the department of physical therapy	2015

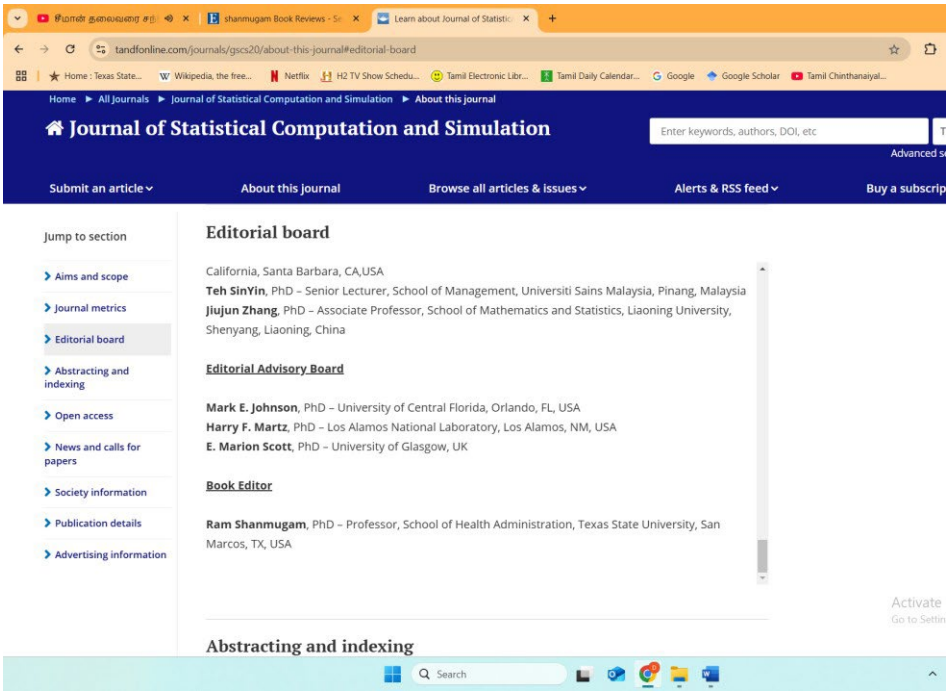
Visited five faculty classrooms and wrote teaching assessment	2015
Contributed for the *Director Search Committee*	2014
Contributed for the *Personnel Committee*	2014
Contributed for the *Graduate Student Admission Committee*	2014
Contributed for the *Faculty Search Committee*	2014
Contributed for the *Colleagues' teaching evaluations*	2014
Participated and contributed for the *Strategic Planning Committee*	2014
Contributed for the *SOHA Policy Review Committee*	2014
Contributed for the *Healthcare Leadership Coalition*	2014
Contributed for the *Library Committee*	2014
Mentored colleagues (Drs. Michael Mileski and Scott Kruse)	2014
Contributed for the students to get job (Lockheed, Ambulation)	2014
Participated and contributed for the *CAHME site visit etc*.	2013
Participated and contributed for the *SLO report*	2013
Participated and contributed for the *APR in HSR program*	2013
Participated and contributed for the *SOHA tenure and promotion policy*	2013
Participated and contributed for the *SOHA Healthcare Conference*	2013
Participated and contributed to *Research Enhancement Committee*	2013
Participated and contributed for *SOHA, Director Search*	2013
Chaired the *Library Committee for SOHA*	2013
Chair, *SOHA Search Committee* (all five positions were filled)	2013
Member, *SOHA Personnel Committee*	2013
Communicated a job in Lockheed Martin to the graduate students	2013
Attended SOHA retreat (8/23/2012)	2012
Library Acquisitions Coordinator for SOHA	2012-2013
National Reputation Committee for SOHA	2012
Graduate Students Orientation Committee	2012
Attended Academic Program Review (APR)	2012
Attended HLC Meetings for SOHA	2012
Attended Healthcare Reform in Long-Term care	2012
Attended all Personnel Committee meetings for SOHA	2012
Attended all fall meetings of General Faculty Council	2012
Visited classrooms of all tenure track faculty	2012
Member of Director Search Committee for SOHA	2012
Contributed and checked HSR Comp Exams	2012
Attended SOHA Recognition meeting	2012
Filled in for the Director Dr. Michael Nowicki in Graduate College Fair,	2011
Member of the Personnel Committee.	2011
Member of the Search Committee.	2011
Member of the Comp Exams Committee for (A. Gilbert, M. Lacayo, T. Syed, E. Huebner, D. Kreitner and L. Jaskinia [Chair])	2011
Attended and helped Professor Robert Mooney.	2011
Revise the syllabus of HR 5331 with the new title "Research Methods in Health Services."	2011
Attended the presentation by Elise Huebner and Tondra Moore, International Research Day organized by Texas State University.	2011
Visited and evaluated teaching of Moore, Johnson, Nauert, Brooks, Griffin, Lieneck.	2011
Attended 15th Annual Reception and Recognition Dinner, Embassy Suites.	2011

Member of the Graduate Students Orientation Committee. 2011
Wrote recommendation letters for HSR students. 2011
Member of the DHA Task Force, School of Health Administration,
Texas State University. 2010
Chair and member of the Comp Exams, School of Health Administration,
Texas State University. 2010
Wrote a report for Dr. Nowicki about the criteria for evaluating research
productivity, School of Health Administration, Texas State University. 2010
Substituted for Michael Nowicki's class, School of Health Administration,
Texas State University. 2009
Personnel Committee, School of Health Administration,
Texas State University. 2009
Visited Rick Nauert' class to assess her teaching,
School of Health Administration, Texas State University. 2010
Visited Attila Hertelandy's class to assess her teaching,
School of Health Administration, Texas State University. 2010
Visited Tina Fields' class to assess her teaching,
School of Health Administration, Texas State University. 2009
Advised Sabrina Vidaurri about directed study for her directed study 2010
Referred jobs for graduate students in health services research. 2009
Member of the Search Committee, School of Health Administration,
Texas State University. 2009
Wrote the Thesis preparation and submission for the School of Health
Administration. 2008
Prepared HP 3302 for clinical science major and HP3325 for the health
administration major. 2008
Worked as a member of the weekly assessment meetings. 2008
Prepared comp questions for HA students in HA 5334 Operational
Decision Making, and for HSR students. 2008
Serving in the Search Committee for the School of Health Administration. 2008
Member of the College Review Group, College of Health Professions. 2008
Served on the Committee for Faculty Development and Advancement,
College of Health Professions. 2008
Chaired and served in the College Research Committee,
College of Health Professions. 2008
Member of Tenure and Promotion Committee,
School of Health Administration. 2008
Member of the Personnel Committee, School of Health Administration. 2008
Communicated about jobs to our students and write recommendation
letters for health services research students. 2008
6 December, Proctored the undergraduate comp exam for the
School of Health Administration. 2008
Fall helped colleague Tina Fields by substituting for her class. 2008
Member of the Personnel Committee, School of Health Administration. 2007
Prepared comp questions for HA students in HA 5334 Operational
Decision Making, and for HSR students. 2007
Serving in the Search Committee for Director of School of Health
Administration. 2007

Member of the Faculty Search Committee, School of Health Administration.	2007
Served as Acting Chair of the Department when Dr. Oren Renick was away.	2007
Participated in revising HP3302 Biostatistics course.	2006
Helped the Chairman in selecting graduate teaching assistants in Health Research area.	2006
Compose, Proctor, and Grade the comprehensive examinations in health research program.	2006
Visited Texas A and M University, College Station and recruited students for health research programs.	2004
I served on the Faculty Development and Advancement Committee, College of Health Professions.	2004-2005
Corresponded with U.S. and Foreign students to enter M.S. in health research program.	2001-2006
Director of Graduate Health Research program.	2001-2006
Making, proctoring, grading Comprehensive examinations for the M. S. students in health research.	2001-2006
February. 11, Attended Academic Program Review in College of Health Professions, SWT State University.	2002
March, Made exam for an M.S. student in Technology.	2002
Helped Dr. Arch Mallard, Department of Communications Disorders in his research.	2002
Fall, Prepared (BIO 7305 and BIO 7306) courses in the biology Department for their Ph. D. program.	2002
Helped SWT Library to purchase on Data Envelopment Analysis Books	2001
Nominated to serve in Dr. Robert Smallwood's (SWT Campus Wide) Committee on NSSE 2001 Outcomes.	2001
Networking with colleagues (in Louisiana State Government Departments), to find jobs for students.	2001-2006

B. Professional:

During 2024:



Ram Shanmugam (2024) is Appointed Examiner to the Ph. D. Thesis Committee for Mr. A. Joshua Cyril Yagan on the topic (BDU2110182779089) entitled **MATHEMATICAL MODELING AND SIMULATION ANALYSIS OF CONTAGIOUS DISEASES THROUGH DIFFERENTIAL EQUATIONS Bharathidasan University, Tiruchirappali, Tamil Nadu, India.**

Ram Shanmugam (2024) wrote recommendation letters for the past and current MHA students.

Ram Shanmugam (2024) refereed the manuscripts for a dozen journals.

I was invited to serve on an NIH panel to evaluate a research grant. The detail is:

RE: NSF Science and Technology Centers program--review request

Shanmugam, Ram
To Brzakovic, Dragana

RamShanmugamCV.pdf
.pdf File

Reply

Dear Dragana: I would be happy to review and provide you the report timely. My cv is attached for information about me. I could be reached easily by dialing to my cell number (512) 947 9841.

Thanks,
Ram
Reply to
Ram Shanmugam, Ph. D., MS (math stat), MS (applied stat), MS (operations research), EFISI, FASA,
Honorary Professor, School of Health Administration
Texas State University, San Marcos, TX 78666, USA.
Email: rs25@txstate.edu.

From: Brzakovic, Dragana <dbrzakov@nsf.gov>
Sent: Tuesday, September 6, 2022 5:42 PM
To: Shanmugam, Ram <shanmugam@txstate.edu>
Subject: NSF Science and Technology Centers program--review request

Dear Professor Shanmugam :

I am contacting you to see if you would help the National Science Foundation (NSF) by reviewing one of the proposals that was submitted to the second stage of the Science and Technology Centers (STC) program c
February 1, 2022. The STC program is an important part of the NSF research portfolio, and it funds large research and education efforts which are typically multidisciplinary (at a level of up to $6M/year, for a perioc

As specified in the solicitation, the STC competition uses a four-stage external review process. At each stage, a smaller number of proposals are selected to continue to the next phase. We are currently at the secon
proposals is undergoing two step review (individual reviewers by experts like you and by a multidisciplinary panel) resulting in inviting a small subset of proposals to the site visit stage.

As a statistical consultant, I tried to help Dr. F. Buck Willis to obtain a research grant. The detail is:

RE: New Grant

Shanmugam, Ram
To Buck Willis; Janet H. Southerland; Charles Mouton; Andrew Merry; Frank Willis

Reply

Hi Buck: Looks good. I support you to submit for funds. Good luck to you!! I am ready to help you in all possible ways. Best regards,

Thanks,
Ram
Reply to
Ram Shanmugam, Ph. D., MS (math stat), MS (applied stat), MS (operations research), EFISI, FASA,
Honorary Professor, School of Health Administration
Texas State University, San Marcos, TX 78666, USA.
Email: rs25@txstate.edu.

From: Buck Willis <docwillis@yahoo.com>
Sent: Monday, August 29, 2022 12:44 PM
To: Janet H. Southerland <jhsouthe@utmb.edu>; Shanmugam, Ram <shanmugam@txstate.edu>; Charles Mouton <cmoutonmd@gmail.com>; Andrew Merry <andrew.merry@iuhs.edu>; Frank Willis <frankw@iuhs.
Subject: New Grant

Friends,

I found a new grant specified for improving health for Native Americans and so I have tweaked our abstract and the title is now "Food Allergen Elimination for Pre-diabetes Reduction in N
Randomized, Controlled, Cross-over Study" This will be a NIH grant and I will apply through our IUHS university so expect my email to come from **FrankW@IUHS.edu** I am also inviti
here in Phoenix, Dr Dianna Dunigan MD to be an investigator.

I found the perfect NIH grant that will be relisted this fall or next year: https://grants.nih.gov/grants/guide/pa-files/PAR-20-214.html

Please tell me if you have any corrections on the abstract attached. I will shoot for the October submission deadline and the tentative start date for this study will be Winter 2023. (I
conferences while I am the Caribbean.) My CRC has already moved here for her doctoral studies or we can see if there is a Certified Clinical Research Coordinator at the Native He
investigators y'all will get small earnings and travel budgets for presentations. Thanks for your great help!

Cheers, Buck ><>

F Buck Willis, PhD, FACSM
1-409-457-7894 cell

During 2022, I refereed about 20 manuscripts.

As an editorial board member, I was invited to attend the annual meeting in Paris but did not go because of COVID threat. The detail is:

RE: Editorial Board Meeting in Paris



Shanmugam, Ram
To ○ Frank van Haren; ○ Jan Bakker
Cc ○ Luciano Azevedo; ○ Sean Bagshaw; ○ Rinaldo Bellomo; ○ Jan Belohlavek; ○ Satish Bhagwanjee; ○ Mark Boogaard, van den; ○ Hendrik Bracht; ○ Ricardo Castro; ○ Alexandre Cavalcanti; ○ Davide Chiumello; ○ Lucas Petri Damiani; ○ Jan de Waele; **+37 others**

Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

Dear Jan: I will not be able to attend. Best wishes,

Thanks,
Ram
Reply to
Ram Shanmugam, Ph. D., MS (math stat), MS (applied stat), MS (operations research), EFISI, FASA,
Honorary Professor, School of Health Administration
Texas State University, San Marcos, TX 78666, USA.
Email: rs25@txstate.edu,

President, San Antonio Chapter of the American Statistical Association	2020-2021
Editor-in-Chief, Journal: Public Health	2017
Editor, Global Research and Review	2017
Associate Editor, Annals of Biostatistics	2018
Associate Editor, Scientific Research	2018
Associate Editor, Journal of Autonomous Intelligence	2018
Associate Editor, International Journal of Perceptions in Public Health (IJPPH)	2018
Associate Editor, NED University Journal of Research – An International Journal	2018
Associate Editor, International Journal of Medical and Health Research	2017
Associate Editor, for the International Journal of Data Science	2017
Associate Editor, International Journal of Medical and Health Research	2017
Associate Editor, Advances in Alzheimer's Disease (Journal)	2017
Associate Editor, Mathematics and Statistics	2017
Editorial Board Member, of the Journal of Nutrition and Obesity (JNO)	2017
Editorial Board member, Journal: Harmonized Research, Pharmacy Engineering, & Applied Science	2017
Editorial Board Member, Journal of Health Education and Care (HEC)	2017
Editorial Board Member, Journal: Statistics, Optimization & Information Computing	2017
Editorial Board Member, Journal: Neuromedicine (NRM)	2017
Editorial Board Member, Scholastic Report, Applied Statistics	2017
Editorial Board Member, International Journal of Research & Development Organization	2017
Editorial Board Member, Biomedical Research Journal	2017
Editorial Board Member, Journal of Bio Innovation	2017

Editorial Board Member, International Journal of Medical and Health Research 2017
Editorial Board Member, Biomedical Research 2017
Editorial Board Member, Health Care 2017
Editorial Board Member, Mathematics and Statistics 2017
Editorial Board Member, Scholars Report 2017
Editorial Board Member, Malnutrition 2017
Editorial Board Member, Neuromedicine 2017

Editor-in-Chief, Advances in Life Sciences and Health (ALSH) 2015
Editor-in-Chief, Global Journal of Research and Review 2015
Editor-in-Chief, Journal of Epidemiology & Community Medicine, 2015

Editor for the eBook series "Current developments in Stroke" 2015
Editor, *Health* 2015
Editor, Journal of Bio Innovation 2015
Editor, *American Journal of Economics and Business Administration* 2015
Editor, *American Journal of Research in Nursing* 2015
Editor, *Inter Stat* 2015
Editor, *International Journal of Medical Science Research & Practice* 2015
Editor, *International Journal of Research in Medical Sciences* 2015
Editor, *Journal of Advances in Alzheimer's Disease* 2015
Editor, *Journal of Applied Mathematics* 2015
Editor, *Journal of Critical Care* 2015
Editor, *Journal of Mathematics and Statistics* 2015
Editor, *Journal of Statistics, Optimization & Information Computing* 2015
Associate Editor of International Journal of Applied Management Science 2015
Associate Editor, International Journal of Applied Engineering Research 2015
Associate Editor, International Journal of Business and Management 2015
Associate Editor, International Journal of Innovative Research 2015
Associate Editor, International Journal of Mechanical Engineering 2015
Associate Editor, International Journal on Recent and Innovation Trends 2015
Associate Editor, Pubicon International Publication 2015
Associate Editor, Statistics, Optimization & Information Computing 2015
Associate Editor, American International of Canadian Center of Science and Education 2015
Associate Editor, Contemporary Scientific Research in Computing and Communication in Information Security 2015
External Examiner for Ph. D. dissertation for: 2015
Quaid-i-Azam Univ., Islamabad, Pakistan
St. Loyola College, Chennai, India
Member, Organizing Committee, of International Conference and Exhibition on Biometrics & Biostatistics 2015
Reviewer of book proposals for
John Wiley Press

Oxford University Press 2015
Scientific Research Publishing (SCIRP)
Refereed manuscripts for other journals: 2015
American Journal of Biochemistry and Biotechnology
American Journal of Biostatistics
Communications in Statistics
Environment and Pollution
Journal: Entropy
Global Journal of Health Sciences
Journal of Advances in Biology & Biotechnology
Journal of Mathematics and Statistics
Journal of Medical Systems
Journal of Reviews on Global Economics
Open Journal of Preventive Medicine (OJPM)
SOP Transactions on Applied Mathematics
SOP Transactions on Statistics and Analysis,

Service to Federal Government Agencies:

Shanmugam, R. (2016) *Reviewer,* NSF, Washington DC. 24 January 2016
Shanmugam, R. (2016) *Reviewer,* NIH, Washington DC. 23-25 March 2016
Shanmugam, R. (2016) *Reviewer,* NASA, in Crystal City, VA office near Washington DC. 12, May 2016
Shanmugam, R. (2016) *Member, Transportation Section Interest Group, American Statistical Association 2016*
Reviewer of National Science Foundation (NSF) in *SBIR/STTR Program* *2015*
Editor-in-Chief, Journal of Epidemiology & Community Medicine, 2015-
Editor-in-Chief, Advances in Life Sciences and Health (ALSH) 2015-continue
Editor-in-Chief, Global Journal of Research and Review 2014-continue
Editor, *Journal of Advances in Alzheimer's Disease* 2014
Editor, *Journal of Mathematics and Statistics* 2014
Editor, *Journal of Statistics, Optimization & Information Computing* 2014
Editor, *Journal of Applied Mathematics* 2014
Editor, *Journal of Critical Care* 2014
Editor, *International Journal of Medical Science Research & Practice* 2014
Editor of eBook series: *Current Developments in Stroke* 2014
Editor, *InterStat* 2014
Editor, *American Journal of Economics and Business Administration* 2014
Editor, *American Journal of Research in Nursing* 2014
Editor, *International Journal of Research in Medical Sciences* 2014
Attended and presented a research paper in the 2014 International Conference on Computer, Electronics, Communication Engineering, Chennai, India 2014
Referee for the International Journal of Applied Management Science 2014
Referee for the International Journal of Business Analysis 2014
Editor, American Journal of Economics and Business Administration 2013
Editor, International Journal of Statistics and Systems 2013

Editor, International Journal of Research in Nursing	2013
Editor, Technical Committee of ICIECA	2013
Editor, Journal of Critical Care	2013
Associate Editor, International Journal of Research in Medical Sciences	2013
Reviewer for the American Journal of Economics and Business	2013
Reviewer of the Management Track in ICCA	2013
Reviewer of Thomas Reuters Expert Witness Services	2013
Referee for the International Journal of Data Science	2013
Referee for the International Journal of Systems Science	2013
Referee for the Statistical Methodology	2013
Referee for the Communications in Statistics	2013
Recognition of the 35th Anniversary of ASA membership	2013
Completion of the Science and Engineering Institute workshop	2013
Member of the NIH Grants Proposal Review Committee on Substances	2012-2013
Editorial Board Member of the International Journal of Applied Engineering Research	2012-2013
Editorial Member of the Journal of Critical Care	2012-2013
Editorial Board Member of International Journal on Computer Science and Technology	2012-2013
Editorial Member of the International Journal of Research in Nursing	2012-2013
Refereed five manuscripts for the Journal of Critical Care	2012-2013
Refereed *three* manuscripts for Communications in Statistics	2012-2013
Refereed a manuscript for the Journal: Probability in Engineering…	2012
Refereed a manuscript for the Journal: Statistical Methodology	2012
Refereed five manuscripts for the journals of Science Publications	2012
Refereed three manuscripts for the International Journal of Management	2012
Refereed a manuscript for the Journal of Transportation and Statistics	2012
Refereed a manuscript for the Encyclopedia of Business Analytics and Optimization	2012
Member of the Science Advisory Board	2012
Invited to be an external examiner of Ph. D. Dissertation, by Alagappa University, India	2012
Invited to give a keynote speech on my work "Hazy Diagnostics…." by the Organizer of 2012 Baoding International Conference of Internal Medicine	2012
Invited to submit research article by Journal of Signal and Information Processing	2012
Attended the workshop and talks in the Texas State Department of Health.	2011
Attended the 3rd International Conference for Graduate Students.	2011
Invited to give a talk on Imprint of Medical Tourism: Economic Issues, in the Heber International Conference on Applications of Mathematics and Statistics, Trichy, India (Did not make to travel)	2011
Editor, Clinical Reviews and Opinions.	2010-2012
Editor, International Journal of Applied Management Science.	2009-2012
Editor, American Journal of Economics and Business Administration.	2009-2012
Editor, Chinese Journal of Clinicians.	2011-2012

March, served to be a Consultant and Reviewer to
U.S. Department of Justice. 2008-2012
Editor of Inter Stat, an Electronic Journal of the American
Statistical Association. 2008-2012
Editor, International Journal of Applied Management Science. 2008-2012
Associate Editor of the International Journal of Data Analysis
Techniques and Strategies. 2008-2012
Editor, Journal of Bioinformation. 2008-2012
Editor, Journal of Critical Care. 2008-2012
Editor of the International Journal of Tomography and Statistics. 2008-2012
Editor, Bulletin of Statistics and Economics. 2008-2012
Associate Editor, Journal of Mathematical Biology. 2007-2012
March, nominated to be a Consultant and Reviewer to
U.S. Department of Justice. 2007
Panel Member of Crash Outcomes Data Evaluation Systems,
Texas Department of Health, Austin. 2007
Consultant and Reviewer to NIH panels. 2006
Computer Resources Committee for Health Professions. 2004-2006
Member of the Advisory Board, Center for Health Promotion Research,
School of Nursing, University of Texas at Austin, 2008. 2002-2012
Book Review Editor of the Journal of Statistical Computation and
Simulation (wrote book reviews) 2001-2012
Served as a referee of manuscripts for the journals: 2001-2012

- Applied Mathematical Modeling
- Bulletin of Statistics and Economics
- Communications in Statistics
- Entropy
- European Journal of Operational Research
- INFOR
- International Journal of Ecology and Development
- International Journal of Applied Management Science
- Journal of Advances in Biology & Biotechnology
- Journal of Critical Care
- Journal of Statistical Computation and Simulation
- Journal of Statistics and Applications
- Metrics
- Omega
- Open Journal of Preventive Medicine
- The International Journal of Management Science

Associate Editor, Computational Statistics. 2000-2002
Associate Editor, Journal of Indian Association for Productivity,
Quality and Reliability. 1999-2004
Associate Editor, The Biometrical Journal. 1999-2004
Associate Editor, Journal of Sensory Studies. 1998-2003
Associate Editor, The Statistician. 1993-1997

Reviewer of Books, Marcel Dekker Press, New York.	1988
Associate Editor, Journal of Quality Technology.	1988
Associate Editor, Journal of Quality Technology.	1988
Associate Editor, United Nations Statistical Journal.	1986-1996
Contributing Editor, Current Index to Statistics.	1979-2000
Invited to give a keynote speech, Second International Conference on Computer Applications, Pondicherry, India.	2010
External Examiner to Yvonne Lozano's Ph. D. Dissertation, University of North Texas at Denton.	2009
Reviewer of research grant proposals to SAMHSA, National Institute of Health, Bethesda, Maryland.	2009
External Examiner to Ph.D. dissertation, Department of Statistics, Manonmaniam Sundaranar University, Tamil Nadu, India.	2005
SAMHSA Reviewer, Department of Human and Health Service of Federal Government.	2005
Advisory Committee, Nursing, UT-Austin.	2004-2012
ASA International Relations Committee when R. L. Mason was ASA President.	2004-2005
Served in the Health Economics Interest Group of National Health Academy.	2004-2005
Helped Health Academy as a reviewer for best student poster presentation San Diego, California.	2004
Member of Health Economics Committee, Health Academy.	2004
Reviewer of Hong Kong National Academy Grants.	2004
Wrote tenure letter for UNTHSC, Fort Worth, Texas.	2004
Member, Executive committee for Austin Chapter of ASA.	2003-2005
One of Board of Directors to the Center for Health Promotion and Disease Prevention Research in Underserved Populations, in the School of Nursing, University of Texas at Austin.	2002-2010
NIH Study Group: Neuroepidemiology, Aging, and Musculoskeletal Epidemiology.	2002-2010
Health Informatics Management Systems Society (National)	2001-2004
American Medical Informatics Association (National)	2001-2004
Health Academy (National)	2001-2005
Faculty Grader, Educational Testing Service.	1997
Arranged Dr. Arnold Zellner, President of ASA to give a talk on the importance of Statistical Thinking to the Society, Mississippi State.	1994
Chaired a session on distributions in 21st Annual Meeting of the Decision Sciences Institute, San Diego, CA.	1990
Reviewer for Mathematical Reviews.	1985-2010
Chair, Statistical Computing Session, Operations Research Society of America Meeting, Atlanta.	1985

C. Community:

Shanmugam, R. is Advisory Member of the Center for Health Promotion and Disease Prevention in Underserved Populations,

University of Texas at Austin. 2010.
Collected donations for the American Diabetes Association. 2008

D. Services, Honors and Awards:
Excellent Research Award, College of Health Professions,
Texas State University 2015

From: DigitalCommons@WayneState

Dear Author,

You had **90** new downloads in 2019 across my papers in DigitalCommons@WayneState.
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3839 Total Downloads

Dear Ram:

I am happy to hear that you are a member of Phi Kappa Phi. If you could please respond to the brief survey link, we sent out, we will have your information for our records. In the meantime, I will add you to our TRACS list so that you will hear of events and news. We held our faculty/staff meeting last week and discussed the invitations that went out recently and the upcoming initiation ceremony on April 12, 2PM, Alkek Teaching Theater.
If you are interested in knowing which students from your department were invited, you may write to Heather Galloway. They have until March 23 to accept the invitation and enroll online.

Thanks for getting in touch with us.

Cathy

Dear Dr., Ramalingam Shanmugam

I came across your research paper entitled, "Hacking-Vigilance Distribution with Application to Assess Cyber Insecurity Level" and feel that your research is having a very good impact.

Yours sincerely

Dr. R. K. Dixit
Chief Author (Hon.)
(Fellow of Association of Research in Computer Science and Technology)
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Marsh Road,
Rainham, Essex,
London
RM13 8EU
United Kingdom

Excellent Research Award, College of Health Professions, Texas State University.	2008
Finalist Texas State University Presidential Award in Scholarly and Creative Activities.	2006
Excellent Research/Scholarship Award, College of Health Professions, Texas State University-San Marcos.	2004-2005
Excellent Research/Scholarship Award, College of Health Professions, Texas State University-San Marcos.	2004-2005
Member of the United Who's Who Executive Registry.	2004
NIH Panel Member, Epidemiology of Clinical Disorders and Aging (EDCA) (Study Section)	2001-2006
Elected Member of the International Statistical Institute.	1991-2012
A Faculty Award for Research Work, College of Arts and Sciences, University of Colorado, Denver.	1984
Proficiency Award for Academic Achievement, Brigham Young University.	1973
Elected Member in the Honor Society of Phi Kappa Phi.	1973

E. Service Grants and Contracts

1. Funded External Service Grants and Contracts:

2. Submitted, but not Funded, External Service Grants and Contracts:

3. Funded Internal Service Grants and Contracts:

4. Submitted, but not Funded, Internal Service Grants and Contracts: