

MANJULA SAMANMALEE FOLEY

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SKILLS

Classes taught:

- Math1316 - Trigonometry
- Math1314- College Algebra
- Math1325- Applied Calculus I (business students)
- Math1326- Applied Calculus II (business students)
- Math2312_ PreCalculus
- Math2413 - Differential Calculus
- Math2414-Integral Calculus
- Math2419 Calculus I
- Math2419 Calculus II
- Stat 1342- Statistical Decision Making
- Stat 3332- Statistics for Life Sciences

- Stat 3360-Probability and Statistics for Management and Economics
- Stat 3341 - Probability and Statistics in Computer Science and Software Engineering

Service:

- Served in Text book adaptation committee which finds out needs of other department requirements to find the best book for each particular course
- Served in TA mentoring committee which help with TA's from their first semester in teaching technique

Faculty Advisor: Below are a list of student groups at UTD I served as faculty advisor.

- BaruchHaba - Messianic Jewish student group
- Sri Lankan student group
- Love World - Christian group organized by mostly South African Students
- Pro Life student group

EXPERIENCE

PROFESSOR OF INSTRUCTION | 08/2016 to Current

UTD - Dallas, TX

- Formulated well-structured syllabus of course content to detail learning goals and expected outcomes.
- Structured assignments with clear goals and criteria for assessment.
- Maintained students' attendance records, grades and reports in strict confidence.
- Administered and graded tests and assignments to evaluate student performance and monitor progress.
- Used rubrics as tools to define expectations and improve students' overall learning.
- Evaluated students' individual abilities using tests and personal interviews.
- Integrated technology into regular classroom use for student engagement and learning.
- Maintained website containing schedule, syllabus, assignments and links to relevant sites.
- Contributed expertise to assist with departmental expansions and course changes.
- Lectured and communicated effectively with students from diverse backgrounds.

SENIOR LECTURER II | 08/2009 to 08/2017
UTD - Dallas, TX

- This is almost the same responsibilities as Professor of Instruction.

FACULTY FELLOW | 04/2006 to 07/2007

Texas Tech University Health Sciences Center, Rural Health - Lubbock, TX

- Managed data cleaning and quality evaluations.
- Assessed statistical techniques and algorithms for models.
- Analyzed Lubbock Independent school District data of 30 years using descriptive and multivariate statistical analysis processes.
- Performed descriptive and multivariate statistical analyses of above data
- Created statistical models.

CONSULTING STATISTICIAN | 07/2005 to 09/2007

Trimble Associates - Lubbock, TX

- Prepared statistical analysis plans -Performed statistical analyses using SAS
- Managed data cleaning and quality evaluations.
- Performed descriptive and multivariate statistical analyses of hospital data.

ADJUNCT FACULTY MEMBER | 08/2001 to 12/2004

Wayland Baptist University - Lubbock, Texas

- Taught undergraduate classes in College Algebra and Intermediate Algebra and Statistics.

• **VISITING ASSISTANT PROFESSOR** | 07/2001 to 04/2002

Texas Tech University - Lubbock, TX

- Shared research findings through publications, presentations and conferences.
- Taught Business Statistics and Engineering students.
- Built and strengthened positive relationships with students, parents and teaching staff.
- Assisted fellow teachers with assignment development, special projects, tests, administrative updates and grading.

GRADUATE RESEARCH ASSISTANT AND TA | 08/1994 to 05/2001

Texas Tech University - Lubbock, TX

- Taught many different classes.
- Assisted with research for academic publications.
- Gave public presentations of findings at conferences.

EDUCATION AND
TRAINING

Texas Tech University

Ph.D

Statistics, **05/2006**

Texas Tech University

Ph.D

Applied Mathematics, **05/2001**

Texas Tech University

M.Sc.

Mathematics and Statistics, **08/1999**

University of Peradeniya - Sri Lanka

B.Sc.

Mechanical Engineering, **12/1995**

PUBLICATIONS

RESEARCH PUBLICATIONS:

- V. Patrangenaru, X. Liu, S. Sugathadasa (2009). A nonparametric approach to 3D shape analysis from digital camera images — I. *J. Multivariate Anal.* In press.
- V. Patrangenaru, S. Liu and S. Sugathadasa (2008) Nonparametric 3D Projective Shape Estimation from Pairs of 2D images – 1, In memory of W.P Dayawansa
"http://arxiv.org/PS/_cache/arxiv/pdf/0806/0806.0899v1.pdf."
- X. Liu, V. Patrangenaru and S. Sugathadasa (2007) Projective Shape Analysis for Noncalibrated Pinhole Camera Views. To the Memory of W. P. Dayawansa., *Florida State University Department of Statistics, Technical Report M983.*
- K. Mardia, V. Patrangenaru, M. S. Sugathadasa, Poster Presentation: "Protein Gel Matching," LASAR 2005: Quantitative Biology, Shape Analysis and Wavelets. Leeds, UK, July 2-6, 2005.
- K. Mardia, V. Patrangenaru, M. S. Sugathadasa, Poster Presentation: "Protein Gel Matching," LASAR 2005: Quantitative Biology, Shape Analysis and Wavelets. Leeds, UK, July 2-6, 2005.
- Mardia, K.V., Patrangenaru, V., Sugathadasa, S., In S. Barber, P.D. Baxter, K.V. Mardia, and R.E. Walls (Eds.), "Protein gels matching Quantitative Biology, Shape Analysis, and Wavelets," *Proceedings of the LASR 2005*, pp. 163-165. Leeds, Leeds University Press (2005).
- M. S. Sugathadasa, V. Patrangenaru, A Covariance Formula for Shape Statistics on Grassmannians, *Proceedings of the International Conference on Information and Automation (ICIA05) 2005* (Sponsored by the IEEE), Dec 15-18, Colombo, Sri Lanka.
- M.S. Sugathadasa, V. Patrangenaru, "Matching 2D Electrophoresis Data in Affine Shape Space," Poster Presentation at the Red Raider Mini Symposium, Texas Tech University, November 16 - November 18th, 2005
- M. S. Sugathadasa, D. Smith, K. C. Mehta and W. P. Dayawansa, "Extreme Value Statistics of the Lorenz Attractor," *Proceedings of the 24th Chinese Control Conference*, pp. 1522-1525, July 2004.
- K. Mardia, V. Patrangenaru, M. S. Sugathadasa, Abstract and Poster Presentation: "Affine Shape Manifolds and Image Analysis," at the Conference on Statistical Inferences on Shape Manifolds (organized by the American Institute of Mathematics), Palo Alto, California, May 6 to May 9, 2005.

REFERENCES

- Lawrence Schovanec
President
Professor of Mathematics
Texas Tech University
Lubbock
Texas
- Victor Patrangenaru
Professor of Statistics
Florida State University
Tallahassee
- Vladimir Dragovic
Chair
Department of Mathematics
University of Texas
Dallas