



- NSF Travel award to FACM conference, NJIT, Newark, NJ, May 19-21, 2008.
- ASA Travel Award to participate in STAT BOWL, JSM, Seattle, WA, August 6 - 10, 2006.
- AMS-IMS-SIAM grant for AMS-IMS-SIAM joint summer research conference on Machine and Statistical Learning: Prediction and Discovery, Snowbird, UT, June 25 - 29, 2006.
- Third annual Clint Miller Award for the best graduate student poster, SRCOS Annual Meeting, Kerrville, TX, June 4 - 7, 2006.
- R.L. Anderson Student Paper Award, SRCOS Annual Meeting, Kerrville, TX, June 4 - 7, 2006.
- Travel Award to MBSW Conference, Ball State University, Muncie, IN, May 23 - 25, 2006.
- National Merit Scholarship, Department of Education, Govt. of India.

TEACHING  
EXPERIENCE

- **Case Western Reserve University**, Instructor for two semesters of STAT 201 (Basic Statistics for Social Sciences and Life Sciences) and one semester of STAT 313 (Statistics for Experimenters).

RESEARCH  
INTERESTS

Bayesian Statistics, Data Mining, Ensembles, High dimensional variable and model selection, Survival analysis.

PUBLICATIONS  
AND MANUSCRIPTS

- **Tanujit Dey**, Hemant Ishwaran and J. Sunil Rao. An In-Depth Look at Highest Posterior Model Selection. *Econometric Theory*, 24, 377 – 403, 2008.
- Daniel Cudnik, **Tanujit Dey**, Rudolph Gulstrand and Harold Haller. Patient Falls in Gero/Psych Departments. In 2006 Proceedings of the American Statistical Association, Biopharmaceutical Section [CD-ROM], Alexandria, VA: American Statistical Association, 4024 – 4026.
- Knollinger, A.M., Moore, P.A., Dietrich, U., **Dey, T.** and Vidyashankar, A. CANINE OPTIC NEURITIS: 25 CASES (1992-2001). In the Proceeding of Annual American College of Veterinary Meeting 2002, October 9 - 13, 2002 in Denver, Colorado.
- Sudip Nanda, **Tanujit Dey**, Rudolph Gulstrand, Daniel Cudnik and Harold Haller. Fall Risk Assessment in Geriatric-Psychiatric Inpatients to Lower Events -FRAGILE. Submitted.
- **Tanujit Dey** and Hemant Ishwaran. A Bimodal Spike and Slab Model for Model Space Exploration and Model Selection.
- **Tanujit Dey** and Hemant Ishwaran. Exploring Model Uncertainty with the Bimodal Model Sampler.
- **Tanujit Dey** and Hemant Ishwaran. `modelSampler`: A Unique R Tool for Variable Selection and Model Exploration in Linear Regression.
- Nidhan Choudhuri and **Tanujit Dey**. Fully Nonparametric Bayesian Analysis in Regression Model with Serially Correlated Errors.

- Shapiro, J. S., McCue, K., Heyman, E.N., **Dey, T.**, and Haller, H. S. Relationships between Coping Processes and Adjustment to Cancer.
- Shapiro, J. S., McCue, K., Heyman, E.N., **Dey, T.**, and Haller, H. S. A Naturalistic Evaluation of Psychosocial Interventions for People with Cancer in a Community Setting.

#### CONSULTING EXPERIENCE

- Consultant for Department of Social Sciences, Case Western Reserve University, Cleveland, OH.
- Consulting project for a major hospital in Cleveland area to reduce patient fall in Gero/Psych departments.
- Consulted for Division of Plastic Surgery, Case School of Medicine, Cleveland OH.
- Consulting project for “Gathering places”, a non-profit organization that serves cancer patients.

#### SOFTWARE

- **modelSampler**: A unique R tool for variable selection and model exploration in linear regression.
- Developed a user friendly Interface to calculate risk factor of patient fall. Already being used by a major hospital in North East Ohio.

#### PRESENTATIONS

- Poster presentation on “**modelSampler**: A unique R tool for variable selection and model exploration” at SRCOS Annual Research Conference in Statistics, Charleston, SC, June 8 - 11, 2008.
- Poster presentation on “**modelSampler**: A unique R tool for variable selection and model exploration” at FACM Conference, NJIT, Newark, NJ, May 19-21, 2008.
- Poster presentation on “**modelSampler**: A unique R tool for variable selection and model exploration” at Research ShowCASE, Case Western Reserve University, Cleveland, OH, April 16 - 17, 2008.
- Invited talk on “A Bimodal Spike and Slab Model for Model Space Exploration and Model Selection” at Department of Mathematics and Statistics, Oakland University, MI, February, 2008.
- Invited talk on “A Bimodal Spike and Slab Model for Model Space Exploration and Model Selection” at Department of Mathematics, The College of William & Mary, VA, February, 2008.
- Invited talk on “A Bimodal Spike and Slab Model for Model Space Exploration and Model Selection” at Department of Mathematics, University of New England, ME, February, 2008.
- Contributed talk on “An In-Depth Look at Highest Posterior Model Selection” at Joint Statistical Meeting (JSM), Seattle, WA, August 6 - 10 2006.
- Poster presentation on “An In-Depth Look at Highest Posterior Model Selection” at AMS-IMS-SIAM joint summer research conference on Machine and Statistical Learning: Prediction and Discovery, Snowbird, UT, June 25 - 29, 2006.

- Poster presentation on “An In-Depth Look at Highest Posterior Model Selection” at Southern Regional Council On Statistics (SRCOS) Annual Research Conference in Statistics, Kerrville, TX, June 4 - 7, 2006.
- Poster presentation on “Identifying Factors Affecting the Risk of Hospital Patient Falls” at 29th Midwest Biopharmaceutical Statistical workshop (MBSW), Ball State University, Muncie, IN, May 23 - 25, 2006.
- Poster presentation on “Identifying Factors Affecting the Risk of Hospital Patient Falls” at Research ShowCASE, Case Western Reserve University, Cleveland, OH, April 5 - 6, 2006.

PROFESSIONAL  
MEMBERSHIPS

- Member, ASA (American Statistical Association).
- Member, IISA (International Indian Statistical Association).
- Member, IMS (Institute of Mathematical Statistics).