

Schedule A

CURRICULUM VITAE

PERSONAL INFORMATION:

Last Name	First Name	AAU
PAUL	Sudhir	MATHEMATICS & STATISTICS

DEGREE:

From Month	From Year	To Month	To Year	Degree	Discipline	Institution	Country
September	1974	September	1976	Doctorate (Ph.D.)	Statistics	University of Wales	United Kingdom
September	1973	September	1974	Master's	Statistics	University of Wales	United Kingdom
July	1966	July	1967	Master's	Statistics	Dhaka University	Bangladesh
July	1963	July	1966	Bachelor's	Statistics	Dhaka University	Bangladesh

PROFESSIONAL DESIGNATIONS (License):

Year	Designation	Discipline	Institution	Country
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PROFESSIONAL DESIGNATIONS (General):

Year	Designation	Discipline	Institution	Country
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EMPLOYMENT HISTORY:

Date From	Date To	Rank/Position	Department	Institution/Firm	Level	Country
2012/01/01	Present	Department Head and University Professor	Mathematics & Statistics	University of Windsor	Teaching University	ON, Canada
2005/07/01	Present	University Professor	Mathematics and Statistics	University of Windsor	Teaching University	ON, Canada
2009/07/01	2010/03/31	Visiting Professor	Statistics and Applied Probability	University of California, Santa Barbara		USA
2007/07/01	2008/06/30	Acting Head	Department of Mathematics and Statistics	University of Windsor	Teaching University	ON, Canada
1988/07/01	2005/06/30	Professor	Mathematics & Statistics	University of Windsor	Teaching University	ON, Canada
2002/01/01	2002/12/01	Visiting Professor	Statistics & App. Prob.	National University of Singapore	Teaching University	Singapore
1988/07/01	1989/06/01	Visiting Professor	Statistics & Ac.Sc.	University of Waterloo	Teaching University	ON, Canada
1985/07/01	1988/06/01	Associate Professor	Mathematics & Statistics	University of Windsor	Teaching University	ON, Canada
1982/07/01	1985/06/01	Assistant Professor	Mathematics & Statistics	University of Windsor	Teaching University	Canada
1978/10/01	1982/06/01	Lecturer	Statistics	University of Kent at Canterbury	Teaching University	England

Date From	Date To	Rank/Position	Department	Institution/Firm	Level	Country
1976/10/01	1978/09/01	Research Associate	Statistics	University of Newcastle Upon Tyne	Teaching University	England
1973/04/01	1973/09/01	Department Head	Statistics	University of Chittagong	Teaching University	Bangladesh
1968/11/01	1973/09/01	Assistant Professor	Statistics	University of Chittagong	Teaching University	Bangladesh
1968/02/01	1968/10/01	Research Associate	Statistics	Dhaka University	Teaching University	Bangladesh

HONOURS AND AWARDS:

Award	Award Date
Various university and national scholarships as student to pursue B.Sc., M.Sc., Ph.D. degrees.	
Faculty of Science Special Recognition Award in recognition of excellence in research, scholarship and creative activity	2006
Fellow of the American Statistical Association	2006
2005 Faculty of Science Performance Awards, for best overall performance in research, teaching and service.	2005
University Professor (University of Windsor), the University's Highest award in recognition of 'distinguished achievements in teaching and wide national and international reputation for scholarship or creative or professional accomplishments	2005
Fellow of the Royal Statistical Society (United Kingdom)	1982

TEACHING ACTIVITIES:

Courses Taught:

List all courses taught at the University of Windsor in the past.

Course Number	Semester	Year	Course Title	Full Year Course
03-65-556			Design of Experiments	No
03-65-554			Theory of Sampling and Surveys	No
03-65-552			Experimental Design	Yes
03-65-459			Risk Theory	No
03-65-454			Theory of Sampling	No
03-65-556			Design of Experiments	No
03-65-555			Regression Analysis	No
03-65-250			Mathematical Statistics	No
03-65-256			Statistics for the Engineers	No
03-65-251			Mathematical Statistics	No
03-62-113			Calculus I	No
03-62-114			Calculus II	No
65-550	Winter	2013	Generalized Linear Models	No
03-65-205-01	Intersession	2012	Statistics for the sciences	No
0365543	Winter	2012	Statistical Inference	No
0365455	Fall	2011	Advanced Mathematical Statistics	No
0365454	Fall	2011	Sampling Theory	No

Course Number	Semester	Year	Course Title	Full Year Course
0365542	Fall	2011	Advanced Mathematical Statistics	No
0365554	Fall	2011	Sampling Theory	No
0365350	Fall	2011	Probability	No
03-65-543	Winter	2011	Statistical Inference	No
03-65-205	Winter	2011	Statistics for the Sciences	No
03-65-452	Fall	2010	Design of Experiments	No
03-65-552	Fall	2010	Design of Experiments	No
03-650205	Fall	2010	Statistics for the Sciences	No
0365205-01	Intersession-Summer	2010	Statistics for the Sciences	No
65-205-02	Winter	2009	Statistics for the Sciences	No
65-205-01	Winter	2009	Statistics for the Sciences	No
65-549	Winter	2009	Discrete Multivariate Analysis	No
65-550	Fall	2008	Generalized Linear Models	No
65-205	Fall	2008	statistics for the sciences	No
03-65-549	Winter	2008	Discrete Multivariate Analysis	No
03-65-251	Fall	2007	Statistics for the Sciences	No
03-65-554	Fall	2007	Sapling Theory	No
03-65-454	Fall	2007	Sampling Theory	No
03-65-550	Winter	2007	Generalized Linear Models	No
03-65-205	Winter	2007	Statistics for the Sciences	No
03-65-351	Winter	2006	Statistics	No
03-65-549	Winter	2006	Discrete Multivariate Analysis	No
03-65-350	Fall	2005	Probability	No
03-65-549	Fall	2005	Discrete Multivariate Analysis	No
03-65-205	Fall	2005	Statistics for the Sciences	No
03-65-205	Intersession	2005	Statistics for the Sciences	No
03-65-550	Winter	2005	Generalized Linear Model	No
03-65-351	Winter	2005	Statistics	No
03-65-205	Fall	2004	Statistics for the Sciences	No
03-65-350	Fall	2004	Probability	No
03-65-351	Winter	2004	Mathematical Statistics	No
03-65-549	Winter	2004	Discrete Multivariate Analysis	No
03-65-205	Fall	2003	Statistics for the Science	No
03-65-350	Fall	2003	Mathematical Statistics I	No
03-65-559	Fall	2001	Survival Analysis	No
03-65-250	Fall	2001	Mathematical Statistics	No
03-65-544	Winter	2001	Multivariate Analysis	No
03-65-550	Winter	2000	Generalized Linear Models	No

Indicate the number of graduate students and postdoctoral fellows that you currently supervise.

Supervision	Master's Students	Doctoral Students	Post-Doctoral Students
*supervise	6	3	0

Supervision	Master's Students	Doctoral Students	Post-Doctoral Students
*co-supervise	0	0	0

UNDERGRADUATE SUPERVISION:

Student Supervision / Internal Reader / Outside Reader

List undergraduate students supervised in the past, indicating the role of supervisor e.g. supervisor, co-supervisor, committee member; nature of supervision e.g. thesis, major paper, project, advanced studies, fieldwork, internship; title of thesis, if applicable; and whether it is completed or not; year completed, if applicable. If student supervision was not completed at the University of Windsor, please change the value of the Location.

Student Name	Role	Nature	Title of Thesis	Location	Year	Student Status	Completed	Note
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GRADUATE SUPERVISION:

Student Supervision / Student Co-supervision

List graduate students supervised in the past, indicating their level e.g. master's, doctoral or postdoctoral, indicating the role of supervisor e.g. supervisor, co-supervisor; nature of supervision e.g. thesis, major paper, project, advanced studies, fieldwork, internship; title of thesis, if applicable; and whether it is completed or not; year completed, if applicable. If student supervision was not completed at the University of Windsor, please change the value of the Location.

Student Name	Level	Role	Nature	Title of Thesis	Location	Year	Enrollment	Completed	Note
Rong Luo	Doctoral	Supervisor	Thesis / Dissertation	Estimating regression parameters in GEE with missing values, measurement errors.	U Windsor	2012-2016		No	null
Kaiqiong Zhao	Master's	Supervisor	Major Paper	To be determined	U Windsor	2013-2015		No	null
Fanyi Zeng	Master's	Supervisor	Major Paper	To be determined	U Windsor	2013-2015		No	null
Abdulla Mamun	Master's	Supervisor	Major Paper	To be determined	U Windsor	2013-2015		No	null
Yiran Zhao	Master's	Supervisor	Major Paper	To be determined	U Windsor	2013-2015		No	null
Rajibul Islam Mia	Doctoral	Supervisor	Thesis / Dissertation	Over-dispersed and zero-inflated count and survival data	dept of Math and Statistics	2011-2015	Full-time	No	null
Mahmuda Yasmin	Master's	Supervisor	Major Paper	Logistic Regression with overdispersion		2013-2014		No	null
Shreedhar Acharya	Master's	Supervisor	Thesis / Dissertation	Biometrical Modelling of Twin and Family Data	University of Windsor	2009-2014	Full-time	No	null

Student Name	Level	Role	Nature	Title of Thesis	Location	Year	Enrollment	Completed	Note
Khurshid Alam	Doctoral	Supervisor	Thesis / Dissertation	Count, proportion and survival data Behrens-Fisher Analogs.	University of Windsor	2008-2014	Full-time	No	null
Chen Liang	Master's	Supervisor	Thesis / Dissertation	Model Selection in Negative Binomial Regression Model	Math and Statistics	2011-2013	Full-time	Yes	null
Shamal Karmaker	Master's	Supervisor	Thesis / Dissertation	Left program because of lack of TOEFL	Math& Stats	2011-2012	Full-time	Withdraw	null
Dr. Tathagata Bandyopadhyaya	Postdoctoral	Supervisor	Others	Collaborative Research	University of Windsor	2012-2012	Full-time	Yes	null
Shaheena Sultana	Master's	Supervisor	Thesis / Dissertation	A Review of Some Over-dispersed Count Data Models	University of Windsor	2008-2011	Full-time	Yes	null
Zhang, Xuemao	Doctoral	Supervisor	Thesis / Dissertation	Generalized Estimating Equations	University of Windsor	2007-2011	Full-time	Yes	null
Azad Kazi	Postdoctoral	Supervisor	Thesis / Dissertation	Mixed effects models	U. of Windsor	2010-2010	Part-time	Yes	null
Nabila Parveen	Master's	Supervisor	Thesis / Dissertation	Testing for regression effects in correlated clustered data analysis	University of Windsor	2008-2010	Full-time	Yes	null
Shadeque Mullah	Master's	Supervisor	Thesis / Dissertation	Testing equality of between-cluster and within-cluster effects in generalized linear mixed models for clustered data	University of Windsor	2008-2010	Full-time	Yes	null
Swapn Das	Master's	Supervisor	Thesis / Dissertation	Confidence Interval of the Common Odds Ratio in Several 2x2 Contingency Tables	University of Windsor	2007-2009	Full-time	Yes	null

Student Name	Level	Role	Nature	Title of Thesis	Location	Year	Enrollment	Completed	Note
Tasneem Zaihra	Doctoral	Supervisor	Thesis / Dissertation	Inference on Some Epidemiological Indices and Variance Function in Semi-parametric Analysis of Count Data	University of Windsor	2005-2009	Full-time	Yes	null
Kazi Azad	Doctoral	Supervisor	Thesis / Dissertation	Some Inference Problems in Generalized Linear Mixed Models	University of Windsor	2005-2009	Full-time	Yes	null
Zhu, Xuejun	Master's	Supervisor	Thesis / Dissertation		University of Windsor, Windsor, ON Canada	2006-2007	Full-time	Withdraw	null
Zhang, Xuemao	Master's	Supervisor	Thesis / Dissertation	Inference in Univariate Skew - Normal (regression) Model	University of Windsor	2005-2006	Full-time	Yes	null
Ruginova, Margarita	Master's	Supervisor	Thesis / Dissertation	Statistical Analysis of Finished Vehicles' Surface Undulations of the Daimler-Chrysler Windsor Assembly Plant	University of Windsor, Windsor, ON Canada	2005-2006	Full-time	Yes	null
L. Saied	Master's	Supervisor	Thesis / Dissertation	Inference about the common odds ratio in presence of overdispersion	University of Windsor	2004-2006	Full-time	Yes	null
Dr. K. Saha	Postdoctoral	Supervisor	Thesis / Dissertation	Bias Correction in Over-dispersed Discrete Models	University of Windsor	2005-2005	Full-time	Yes	null
Dr. X. Jiang	Postdoctoral	Supervisor	Thesis / Dissertation	Inference in Bivariate Zero-inflation Models	University of Windsor	2005-2005	Full-time	Yes	null
X. Jiang	Doctoral	Supervisor	Thesis / Dissertation	Homogeneity Tests and Analysis of Count Data	University of Windsor	1999-2004	Full-time	Yes	null

S t u d e n t Level Name	Role	Nature	Title of Thesis	Location	Year	Enrollment	Completed	Note	
K. Saha	Doctoral	Supervisor	Thesis / Dissertation	Bias Corrected MLE and its competitors for the Over-dispersion parameter in count data and data in the form of proportions	University of Windsor	2000-2004	Full-time	Yes	null
Dr. Dianliang Deng	Postdoctoral	Supervisor	Thesis / Dissertation	Goodness of Fit Tests	University of Windsor	2002-2002	Full-time	Yes	null
D. Dianling Deng	Doctoral	Supervisor	Thesis / Dissertation	Goodness of Fit, Score Test, Zero-Inflation and Over-Dispersion in Generalized Linear Models	University of Windsor	1997-2001	Full-time	Yes	null
D. Deng	Master's	Supervisor	Thesis / Dissertation	Goodness of fit of Generalized Linear Model Based on Deviance	University of Windsor	1997		Yes	null
S. Thedcha namoorthy	Master's	Supervisor	Thesis / Dissertation	An Investigation into the Likelihood Based Procedures For the Construction of Confidence Intervals for the Common Odds Ratio in K 2x2 Contingency Tables	University of Windsor	1995-1997	Full-time	Yes	null
Dr. T. Banerjee	Postdoctoral	Supervisor	Thesis / Dissertation	Over-dispersed Contingency Tables	University of Windsor	1995-1995	Full-time	Yes	null
A.S. Islam	Doctoral	Supervisor	Thesis / Dissertation	Parametric and Semi-Parametric Models for the Analysis of Proportions in Presence of Over/Under Dispersion	University of Windsor	1989-1994	Full-time	Yes	null
Dr. K. Khan	Postdoctoral	Supervisor	Thesis / Dissertation	Correlated Data	University of Windsor	1992-1992	Full-time	Yes	null

Student Name	Level	Role	Nature	Title of Thesis	Location	Year	Enrollment	Completed	Note
K. Thiagarajah	Doctoral	Supervisor	Thesis / Dissertation	Inference Procedures in Some Lifetime Models	University of Windsor	1988-1992	Full-time	Yes	null
R.K. Barnwal	Doctoral	Supervisor	Thesis / Dissertation	Analysis of One-way Layout of Count	Data	1984-1989	Full-time	Yes	null
K. Thiagarajah	Master's	Supervisor	Thesis / Dissertation	Inference Procedures for Multiple Samples from Two Parameter Weibull or Extreme Value Distribution	University of Windsor	1985-1987	Full-time	Yes	null
N.I. Ho	Master's	Supervisor	Thesis / Dissertation	Bivariate Poisson Model	University of Windsor	1984-1986	Full-time	Yes	null
S.C. Aneja	Master's	Supervisor	Thesis / Dissertation	Binary Data	University of Windsor	1980-1982	Full-time	Yes	null
D.S. Winstanley	Master's	Supervisor	Thesis / Dissertation	Regression Models	University of Windsor	1980-1981	Full-time	Yes	null

GRADUATE COMMITTEE MEMBERSHIP:

Internal Reader / Outside Reader / Committee Member

Student Name	Level	Role	Supervisor Name	Location	Year	Completed
L. Marro	Master's	Committee Member		University of Windsor	1996	Yes

Student Advising and Counseling (Undergrad Counsellor etc.): **Year**

Course Development and Design / Learning Technologies (If you have designed a course for distance delivery include that here): **Year**
 Statistics for the Sciences 1998

Other Teaching Activity: **Year**
 Undergraduate: First year Calculus, Statistics for the sciences, Statistics for the Engineers, Mathematical Statistics at second and third year level, Regression analysis, Design of Experiments, Theory of Sampling, Risk Theory
 Graduate: Multivariate Analysis, discrete Multivariate Analysis, Generalized Linear Models, Experimental Design, Theory of Sampling and Survey,s Regression Analysis, Survival Analysis
 1978 - 1982 courses taught at the University of Kent at Canterbury: Undergraduate - Statistical Inference, Sample Surveys; and Graduate - Statistical Inference, Sample Surveys; and Professional - Sampling Theory to International professionals in the summers of 1980 and 1981 1978

Other Teaching Activity:

Nov. 1968 - Aug. 1973: Courses taught at University of Chittagong were: Undergraduate - Introductory Statistics, Distribution Theory, Statistical Inference; and, Graduate - Elements of Probability, Statistical Inference, Sample Surveys.

Year
1968

Publications of Teaching Materials (exclusive of scholarly publications and presentations related to pedagogy):

Professional Development Activities Undertaken:

Primary Secondary Key Words (separated by commas)

3001,3004,3005,3009 diagnostics, estimating equations, generalized linear models, over-dispersed models, Biostatistics

Particular Instruments & Techniques:

PUBLICATIONS

1. Life-time summary (count) according to the following categories.

Category	Published/Submitted/Submitted		Completed/Status Not	
	In Press	with Revisions	In Progress	Selected/ Applicable
Books Authored	0	0	0	0
Books Edited	0	0	0	0
Books Translated	0	0	0	0
Book Reviews	2	0	0	0
Chapters in Books	5	0	0	0
Books - Other	2	0	0	0
Abstracts in Professional Journals	0	0	0	0
Articles in Refereed/Peer Reviewed Journals	74	0	0	2
Edited Journals	0	0	0	0
Review Journals	0	0	0	0
Articles in Professional Journals	2	0	0	0
Articles Translated	0	0	0	0
Articles in Refereed/Peer-Reviewed Conference, Symposia, Roundtable, Proceedings and Publications	0	0	0	0
Articles in Non Refereed Conference, Symposia, Roundtable Proceedings or Publications	2	0	0	0
Articles and/or Papers Presented (Posters Presented)	3	0	0	36
Articles Submitted for Peer Review	0	0	0	0
Non Refereed Articles	0	1	5	0
Non Refereed/ Non Peer-Reviewed Publications	0	0	0	0
Commissioned Research Reports	0	0	0	0
Contract Research Reports	0	0	0	0
Technical Reports	0	0	0	0
Edited Conference Proceedings	0	0	0	0

Category	Published/Submitted/Submitted	Completed/Status Not	Selected/ Applicable
	In Press	with Revisions	
Other Research Presentations	0	0	0
Others	0	0	1
Patents	0	0	0

Category	Total
Conferences Attended	11
Workshops Presented	0

2. Details of above in the same categories. (List all items counted above.)

Books Authored

Books Edited

Books Translated

Book Reviews

Published:

Daniels, M and Hogan, J., Missing Data In Longitudinal Studies, 303, Chapman & Hall/CRC, 2010, Journal of the American Statistical Association.

Paul, S.R., Analysis of Quantal Response Data, 13, Chapman and Hall, London by B.J.T. Morgan, 1992, Statistics in Medicine, Vol.13.

Chapters in Books

Published:

Application of the Beta Distribution In A.K. Gupta, S. Nadarajah, and S. Marcell Dekker, Handbook of the Beta Distribution, 2004.

Paul, S.R., Estimation of regression and Dispersion parameters in the analysis of proportions In N. Balakrishnsan, Advances on Methodological and Applied Aspects of Probability and Statistics, 2002.

Paul, S.R., GLS F-test and ML estimation in regression analysis with Two-stage Cluster Samples, Perspective in Statistical Science, Oxford University Press, 2000.

Paul, S.R. and Islam, A.S., C Tests for homogeneity of proportions in toxicology in presence of beta-binomial over-dispersion, Statistics in Toxicology, 66-74, Oxford University Press, 1996.

Mantel, N. and Paul, S.R., Goodness of fit issues in toxicological experiments In I.B. MacNeill and G.J. Umphrey, Biostatistics, 169-176, 1987.

Books - Other

Published:

S.R. Paul, Statistics for The Sciences, University of Windsor, 1998.

G.B. Wetherill, P. Duncombe, P. Kenward, M. Kollerstrom, J., S.R. Paul and B.J. Bowden, Regression Analysis with Applications, Chapman Hall: London, New York, 1986.

Abstracts in Professional Journals

Articles in Refereed/Peer Reviewed Journals

Published:

- Paul, S. R. and Deng, D, Assessing goodness of fit of generalized linear models to sparse data using higher order moment corrections, *Sankhya B*, 74, 195-210, 2012.
- Henshaw, P, Hemashankar, G and Paul, S., Correlation studies between visual perception and waviness measurements for coated surfaces., *International Journal of Quality and Engineering Technology*, 3, 130-140, 2012.
- Paul, S. R. and Kazi, A, Testing Homogeneity in Longitudinal count data regression model with over-dispersion, *Journal of Statistical Planning and Inference*, 142, 1608-1618, 2012.
- Saha, K. and Paul, S.R., Interval estimation of the negative binomial dispersion parameter, *Journal of Statistical Computation and Simulation*, 82, 1-10, 2011, May.
- Zaihra, T. and Paul, S.R., Interval estimation of some measures of association, *International Journal of Biostatistics*, 8, 1-21, 2010, November.
- Paul, S.R. and Banerjee, T. Balasoorya, U., Model selection in Multi-clump finite mixture models, *Environmetrics*, 21, 133-142, 2010.
- Paul, S. R. and Zhang, X, Testing for normality in linear regression models., *Journal of Statistical Computation and Simulation*, 80, 1101-1113, 2010.
- Paul, S.R. and Zaihra, T., Variance function in semi-parametric analysis of count data, *Journal of Statistical Research (special issue in honor of Bradly Effron)*., 44, 147-165, 2010.
- Jiang, X. and Paul, S. R., Analysis of covariance of zero-inflated paired count data using a zero-inflated bivariate Poisson regression model, *Calcutta Statistical Bulletin (Special Volume)*, 61, 103-124, 2009.
- Paul, S. R. and Zaihra, T., Interval estimation of risk difference for data sampled from clusters, *Statistics in Medicine*, 27, 4207-4220, 2008.
- Paul, S.R. and Saha, K.K., The generalized linear model and extensions: A review and some biological and environmental applications, *Environmetrics*, 18, 421 - 443, 2007.
- Saha, K., and Paul S. R., Bias Corrected maximum likelihood estimator of the negative binomial dispersion parameter., *Biometrics*., 61, 180-186, 2005.
- Paul, S. R., Balasoorya, U., and Banerjee, T., Exact Fisher Information matrix of the Dirichlett- multinomial distribution, *Biometrical Journal*, 47, 230-236, 2005.
- Deng, D and Paul, S. R., Generalized linear model, zero- inflation and over- dispersion., *Statistica Sinica*., 15, 257-276, 2005.
- Paul, S.R, Goodness of fit of the geometric distribution: an application to human fecundability data ., *Journal of Modern Applied Statistical methods*., 4, 425 - 433, 2005.
- Paul, S. R. and Jiang, X., Testing Homogeneity of Several two-parameter populations., *The Canadian Journal of Statistics*., 33, 131-143, 2005.
- Jiang, X.; Paul. S.R., Testing equality of means and variances of several Weibull populations, *Intenational Journal of Statistical Sciences*, 3, 179 - 190, 2005.
- Jiang, X. and Paul, S. R (2004), Testing equality of means and variances of several Weibull populations., *International Journal of Statistical Sciences*, 3, 179-190, 2004.
- Paul, S.R., Xing, Jiang, Rai, S., and Balasoorya, U., Tests of treatment effect in pre-drug and post-drug count data., *Statistics in Medicine*., 23, 1541-1554, 2004.
- Paul, S.R., Saha, K., and Balasoorya, U., An empirical investigation of different operating characteristics of several estimators in the intraclass correlation in the analysis of binary data., *Journal of Statistical Computation and Simulation*, 73, 507-523, 2003.
- Paul, S.R., and Deng, D., Score test for goodness of fit of generalized linear models to sparse data., *Sankhya B*., 64, 179-191, 2002.
- Paul, S.R., Studentized residuals, *Encyclopedia of Environmetrics*, 1776-1780, 2002.
- Paul, S.R., Quadratic estimating equations for the estimation of regression and dispersion parameters in the analysis of proportions., *Sankhya B*, 63, 43-55, 2001.
- Paul, S.R., and Deng, D., Goodness of fit of generalized linear models to sparse data., *Journal of the Royal Statistical Society*., B, 62, 323-333, 2000.

Articles in Refereed/Peer Reviewed Journals

- Paul, S.R., Interval estimation of the intraclass correlation coefficient based on Bartlett's score procedure, *Journal of the Italian Statistical Society*, 257-272, 2000.
- Deng, D., and Paul S.R., Score tests for zero-inflation in generalized linear models., *The Canadian Journal of Statistics*., 28, 563-570, 2000.
- Banerjee, T. and Paul, S. R., An extension of Morel-Nagaraj's finite mixture distribution for modelling clustered data., *Biometrika*, 86, 723-727, 1999.
- Paul, S.R. and Banerjee, Analysis of two-way layout of count data involving multiple counts in each cell., *Journal of the American Statistical Association*, 93, 1419-1429, 1998.
- Paul, S.R. and Islam, Joint estimation of the mean and dispersion parameters in the analysis of proportions: a comparison of efficiency and bias., *The Canadian Journal of Statistics*, 26, 83-94, 1998.
- Paul, S.R. Thedchanamoorthy, S, Likelihood Based Confidence, *Journal of Statistical Planning and Inference*, 59, 279-289, 1997.
- Paul, S.R. and Thiagarajah, K., Asymptotic variance covariance of maximum likelihood estimators for the parameters of extreme value regression models for censored data., *Sankhya*, B, 58, 28-37, 1996.
- Thiagarajah, K. and Paul, S.R., Interval estimation for the scale parameter of the two parameter exponential distribution based on time censored data., *Journal of Statistical Planning and Inference*, 59, 279-289, 1996.
- Paul, S.R., Score tests for intraclass correlation in familial data, *Biometrics*, 52, 955-963, 1996.
- Paul, S.R. and Islam, A.S., Analysis of proportions based on parametric and semi- parametric models., *Biometrics*, 51, 1400-1410, 1995.
- Paul, S.R. and Thiagarajah, K. (1993), C(??) Tests for the analysis of one-way layout of data having extreme value distribution., *The Statistician*, 42, 135-143, 1993.
- Paul, S.R., A note on the U and V tests in the Behrens-Fisher problems - a letter to the editor., *Technometrics*., 34, 243-250, 1992.
- Paul, S.R. and Thiagarajah, K., Hypothesis tests for the one-way layout of Type II censored data from Weibull populations., *Journal of Statistical Planning and Inference*, 33, 367-380, 1992.
- Paul, S.R. and Thiagarajah, K. (1992), Multi-sample test of equal gamma distribution scale parameters in presence of unknown common shape parameter., *Communications in Statistics: Theory and Methods*, 21, 1633-1650, 1992.
- Paul, S.R. and Fung, K.Y., Response to the letter to the editor by Ali and Simonoff - outliers in linear models, *Technometrics*, 34, 373-375, 1992.
- Paul, S.R. and Donner, A., Small sample performance of tests of homogeneity of odds ratios in K 2x2 tables, *Statistics in Medicine*, 11, 159-165, 1992.
- Paul, S.R. and Fung, K.Y., A generalized extreme studentized residual (GESR) multiple outlier detection procedure in linear regression., *Technometrics*., 33, 357-366, 1991.
- Paul, S.R. and Barnwal, R.K, Maximum likelihood estimation and a C() test for a common intraclass correlation., *The Statistician*, 39, 19-24, 1990.
- Paul, S.R., Maximum likelihood estimation of intraclass correlation in the analysis of familial data: Estimating equation approach., *Biometrika*, 77, 549-555, 1990.
- Thiagarajah, K. and Paul, S.R., Testing for the equality of scale parameters of k(2) exponential populations based on complete and Type II censored samples., *Communications in Statistics: Simulations and Computation*, B, 19, 891-902, 1990.
- Paul, S.R. and Donner, A., A comparison of tests of homogeneity of odds ratios in K 2x2 tables., *Statistics in Medicine*, 1455-1468, 1989.
- Paul, S.R. and Ho, I., Estimation in the bivariate Poisson distribution and hypothesis testing concerning independence., *Communications in Statistics: Theory and Methods*, A18, 1123-1133, 1989.
- Paul, S.R. and Mantel, N., Model free analysis of litter-depletion data., *The Statistician*, 38, 121-125, 1989.
- Paul, S.R., Liang, K.Y. and Self, S.A., On testing departure from the binomial and multinomial assumptions., *Biometrics*, 45, 231-236, 1989.
- Paul, S.R. (1989), Test for the equality of several correlation coefficients., *The Canadian Journal of Statistics*., 17, 217-227, 1989.

Articles in Refereed/Peer Reviewed Journals

- Paul, S.R., Estimation of and testing significance for a common correlation., *Communications in Statistics: Theory and Methods*, A17, 35-53, 1988.
- Barnwal, R.K. and Paul, S.R., Analysis of one-way layout of count data with negative binomial variation., *Biometrika*, 75, 215-222, 1988.
- Paul, S.R. and Mantel, N., Model dependent analysis of litter depletion data., *The Statistician*, 42, 363-370, 1988.
- Paul, S.R. and Barnwal, R.K., Detection of outliers in Poisson samples., *Communications in Statistics: Theory and Methods*, A16, 2391-2403, 1987.
- Paul, S.R., On the beta-correlated binomial (BCB) distribution - A three parameter generalization of the binomial distribution., *Communications in Statistics: Theory and Methods*, A16, 1473-1478, 1987.
- Paul, S. R., On the detection of unusual points in regression., *Biometrical Journal*, 29, 147-152, 1987.
- Paul, S.R., A note on maximum likelihood ratio test of no outliers in regression models., *Biometrical Journal*, 28, 945-948, 1986.
- Paul, S.R. and Fung, K.Y., A remark on algorithm AS148: The jackknife., *Journal of the Royal Statistical Society: Applied Statistics*, 35, 89-91, 1986.
- Paul, S.R. and Fung, K.Y. (1986)., Critical values for Dixon type test statistics for testing outliers in Weibull or extreme value distributions., *Communications in Statistics: Simulation and Computation*, B15, 277-283, 1986.
- Paul, S.R., A three parameter generalization of the binomial distribution., *Communications in Statistics: Theory and Methods*, A14, 1497-1506, 1985.
- Fung, K.Y. and Paul, S.R., Comparison of outlier detection procedures in Weibull or extreme value distribution., *Communications in Statistics: Simulation and Computation*, B14, 895-917, 1985.
- Paul, S.R., Critical values of maximum studentized residual statistic in multiple linear regression., *Biometrical Journal*, 26, 1-5, 1985.
- Paul, S.R., Estimation of the parameters of a clumped binomial model via the EM algorithm., *The American Statistician*, 39, 136-139, 1985.
- Paul, S.R., A comment on 'Creation of a Statistical Problem' by Nathan Mantel., *The American Statistician*, 37, 336, 1983.
- Paul, S.R., Sequential detection of unusual points in multiple linear regression., *The Statistician*, 32, 417-424, 1983.
- Paul, S.R., The analysis of proportions of affected fetuses in toxicological experiments, *Biometrics*, 38, 361-370, 1982.
- Paul, S.R., Bayesian methods for calibration of examiners., *British Journal of Mathematical and Statistical Psychology*, 34, 821-824, 1981.
- Paul, S.R., A clumped beta binomial model for the analysis of clustered attribute data., *Biometrics*, 35, 821-824, 1979.
- Paul, S.R., Models and estimation procedures for the calibration of examiners., *British Journal of Mathematical and Statistical Psychology*, 32, 242-251, 1979.
- Plackett, R.L. and Paul, S.R., Dirichlet models for square contingency tables., *Communications in Statistics: Theory and Methods*, A7, 939-952, 1978.
- Paul, S.R. and Plackett, R.L., Inference sensitivity for Poisson mixtures, *Biometrika*, 65, 591-602, 1978.

In Press:

- Paul, Sudhir; Zhang, Xuemao; Xu, Jianwen, Estimation of Regression Parameters for Binary Longitudinal Data Using GEE: Review, Extension and an Application to Environmental Data, *Journal of Environmental Statistics*, 4, 12 pages, 2013.
- Paul, S. and Zhang, X, Estimation of Regression Parameters for Binary Longitudinal data using GEE: Review, Extension and an application to Environmental Data, *The Journal of Environmental Statistics*, 2013.
- Zhang, Xuemao and Paul, Sudhir, Modified Gaussian Estimation for Correlated Binary Data, *Biometrical Journal*, 55, 13 pages, 2013.
- Paul, Sudhir and Zhang, Xuemao, Variance function in regression analysis of longitudinal data using the generalized estimating equation approach, *Journal of Statistical Computation and Simulation*, 83, 15 pages, 2013.

Articles in Refereed/Peer Reviewed Journals

Status Not Selected/Applicable:

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Edited Journals

Review Journals

Articles in Professional Journals

Published:

Paul, S. R. and Kazi, A., Testing Homogeneity in Longitudinal Count, Journal of Statistical Planning and Inference, 142, 2012.

In Press:

Paul, Sudhir R., Deng, Dianliang, Assessing goodness of fit of generalized linear models to sparse data using higher order moment corrections, Sankhya B, 74, 2012.

Articles Translated

Articles in Refereed/Peer-Reviewed Conference, Symposia, Roundtable, Proceedings and Publications

Articles in Non Refereed Conference, Symposia, Roundtable Proceedings or Publications

Published:

Paul, S. R. and Zaihra, T., Choosing a variance function in over- dispersed count data, 2009 Proceedings of the Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada, 4243-4254, 2009.

Saha, K., and Paul S. R., Inference concerning the negative binomial dispersion parameter with application to tumor data., 2009 Proceedings of the Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada, 568-579, 2009.

Articles and/or Papers Presented (Posters Presented)

Published:

Saha, K., and Paul S. R., Bias Corrected maximum likelihood estimator of the negative binomial dispersion parameter., Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada., Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada., 2004.

Deng, D. and Paul, S. R., Generalized linear model, zero- inflation and over- dispersion., Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada, Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada, 2004.

Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada, Tests of treatment effect in pre-drug and post-drug count data., Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada., Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada., 2004.

Status Not Selected/Applicable:

Paul, S.R., Analysis of Proportions Using Parametric and Semi-Parametric Models., Joint Statistical Meeting of the American Statistical Association and the Biometric Society., American Statistical Association.

Articles and/or Papers Presented (Posters Presented)

- Paul, S. R. and Deng, D., Assessing goodness of fit of generalized linear models to sparse data using higher order moment corrections., Statistics 2011, SSC and Concordia University, 2011.
- Zhang, X. and Paul, S. R., Estimation of Regression Effects in, Statistics 2011, SSC and Concordia University, 20, 2011.
- Zhang, X. and Paul, S. R., Estimation of Regression Effects in Longitudinal Binary data, Statistics 2011, SSC and Concordia University, 2011.
- Paul, S. R. and Kazi, A., Testing Homogeneity in Longitudinal Count Data Regression model with over-dispersion, Statistics 2011, SSC and Concordia University, 2011.
- Zhang, X. and Paul, S.R., Estimation of Regression Effects in Longitudinal Binary Data, Statistical Society of Canada Annual Meeting, 2010, May.
- Paul, S. R. and Zaihra, T., Choosing a variance function in over- dispersed count data., Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada, 2009, August.
- Saha, K., and Paul S. R., Inference concerning the negative binomial dispersion parameter with application to tumor data, Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada, 2009, August.
- Jiang, X.; Paul, S.R., Analysis of covariance of zero-inflated paired count data using a zero-inflated bivariate Poisson regression model., 4th International Triennial Calcutta Symposium on the Probability and Statistics, 2006, December.
- Paul, S.R.; Saha, K.K., The generalized linear model and extensions: A review and some biological and environmental applications., Internatioanl Environmetrics Society Meeting, 2005, Beijing.
- Paul, S. R., The GLM, quasi-likelihood, extended quasi-likelihood, Hierarchical GLM and the double extended quasi-likelihood., The 4th International Triennial Calcutta Symposium on the Probability and Statistics, Calcutta University, 2004.
- Paul, S.R. and Jiang, X., Simultaneously testing the equality of means and the equality of variances for several populations., Hawaii International Conference, 2003, June.
- Paul, S.R. and Jiang, X., Testing the equality of means and the equality of variances for several populations, Invited talk at the Management University of Singapore, 2002, September.
- Paul, S. R. Deng, D., Goodness of fit of generalized linear, Taipei Statistical Conference, Academia Sinica, Taipei, Tiwan, 2002.
- Paul, S. R. and Balasoorya, U. (2002), Some over-dispersed Life Time models and associated tests, The Annual meetings of the Statistical Society of Canada., Statistical Society of Canada, 2002.
- Paul, S. R. and Deng, D. (2002), Tests of goodness of fit of generalized linear, IISA Biennial meetings, University of Northern Illinois, 2002.
- Paul, S. R. and Deng, D (2001)., Generalized linear model, zero-inflation and over-dispersion, International Conference on Statstics and Related Matters, Calcutta University, 2001.
- Deng, D. and Paul, S. R, Score tests for zero-inflation in generalized linear models., Conference on Statistics in the 21st century, University of Maine, Maine, USA, 2000.
- Paul, S.R., Analysis of two-way layout of count data involving multiple counts, Joint Statistical Meetings ASA-ENAR, American Statistical association, 1998.
- Paul, S.R., Analysis of two-way layout of count data involving multiple counts in ach cell., International Indian Statistical Association Conference, International Indian Statistical Association, 1998.
- Paul, S.R., Quadratic estimating equations for the estimation of regression and dispersion parameters in the analysis of proportions., Annual Meetings of the Statistical Society of Canada., Statistical Society of Canada., 1998.
- Paul, S.R., The GLS F-test and estimation of the intracluster correlation, 3rd International Triennial Calcutta Symposium on the Probability and Statistics, Calcutta University, 1997.
- Paul, S.R., Analysis of two-way layour of count data involving multiple count in each cell., Joint Statistical Meetings, American Statistical association, 1996.
- Paul, S.R., Joint estimation of the mean and dispersion parameters in the analysis of proportions: A comparison of efficiency and bias., The XVIIIth International Biometric Conference, International Biometric Society, 1996.

Articles and/or Papers Presented (Posters Presented)

- Paul, S.R., Generalized least squares F test and relevant ML estimation in regression analysis with cluster samples, Triennial Symposium on Probability and Statistics, Calcutta University, 1995.
- Paul, S.R. A.S. Islam ., Analysis of proportions based on parametric and semi-parametric models, Joint Statistical meeting, American Statistical association, 1993.
- Paul, S.R. A.S. Islam (1992)., C () test for testing homogeneity of proportions in toxicology, Biennial conference of the International Biometric Society, International Biometric Society, 1992.
- K. Thiagarajah, Paul, S.R., Interval estimation procedures for the parameter of the extreme value models, Annual meetings of the Statistical Society of Canada, Statistical Society of Canada, 1992.
- Paul, S.R. K. Thiagarajah, Homogeneity tests for common Weibull distribution scale in presence of unknown common shape parameters, Third Canadian Conference in Applied Statistics - Statistics '91, Concordia University, 1991.
- Paul, S.R. K. Thiagarajah, Analysis of one-way layout of data from Weibull distribution with common shape parameter, Joint Statistical Meetings of the American statistical Association and international Biometric Society, American statistical Association and international Biometric Society, 1990.
- Paul, S.R. (1990), Maximum likelihood estimation of intraclass correlation in the analysis of familial data: estimating equation approach, XVth International Biometrics Society Conference, International Biometrics Society, 1990.
- Paul, S.R. K.Y. Liang, S.A. Self, On testing departure from the binomial and multinomial assumptions, Annual meeting of the Canadian Statistical Association, Canadian Statistical Association, 1989.
- Paul, S.R., Testing equality of several correlation coefficients, Biennial Conference of the International Statistical Institute, International Statistical Institute, 1989.
- Paul, S.R. A. Donner, A comparison of testing homogeneity of odds ratios in K 2x2 contingency tables, Biennial Conference of the International Biometric Society, International Biometric Society, 1988.
- Paul, S.R. and K. Thiagarajah, Analysis of one-way layout of data from Weibull (extreme value) distribution with common shape (scale) parameter, Joint meetings of the American Statistical Association, Biometric Society and Institute of Mathematical Statistics, American statistical Association, International Biometric Society and Institute of Mathematical Statistics, 1988.
- Paul, S.R. and R.K. Barnwal, Testing equality of two negative binomial means in presence of a common dispersion parameter, Testing equality of two negative binomial means in presence of a common dispersion parameter, American Statistical Association, 1986.

Articles Submitted for Peer Review

Non Refereed Articles

Submitted:

Jiang, X.; Paul, S.R., Analysis of covariance of zero-inflated paired count data using a zero-inflated bivariate Poisson regression model., 2007.

In Progress:

- Paul. S.R.; Banerjee, T., Model selection in Multi-clump finite mixture models, 2007.
- Paul. S.R.; Balasoorya, U., Some over-dispersed Life Time Models and Associated tests., 2007.
- Paul. S.R.; Jiang, X., Testing equality of means and variances of several Weibull populations., 2007.
- Paul. S.R., The GLS F-test and estimation of intraclass correlation parameters in regression analysis with two-stage cluster samples., 2007.
- Paul. S.R.; Saha, K.K., the generalized linear model and extensions: A review and some biological and environmental applicatoins., 2007.

Non Refereed/ Non Peer-Reviewed Publications

Commissioned Research Reports

Contract Research Reports

Technical Reports

Conferences Attended

Status Not Selected/Applicable:

2011 Annual meeting of Statistical Society of Canada, Acadia, Nova Scotia, Canada, 2010.

First International Conference on Theory and Applications of Statistics, University of Dhaka, Dhaka, Bangladesh, 2010.

Statistical Society of Canada (SSC), Vancouver, 2009.

Statistical Society of Canada, Ottawa, 2008.

Joint Statistical meetings (JSM) of the American Statistical association, International Biometric Society and Statistical Society of Canada., American Statistical Association, Toronto, 2004, August.

Annual Meetings of the Statistical Society of Canada, SSC, Montreal, 2004, June.

4th International Triennial Calcutta Symposium on the Probability and Statistics, Calcutta University, Calcutta, India, 2003, December.

Hawaii International Conference in Statistics and Probability, ASA, Hawaii, 2003, June.

Taipei Statistical Conference, Statistica Sinica, Taipei, Taiwan, 2002, July.

Annual meetings of the Statistical Society of Canada., SSC, Hamilton, 2002, June.

IISA Biennial meetings at University of Northern Illinois, International Indian statistical Association, Dekalb, Illinois, 2002, June.

Edited Conference Proceedings

Other Research Presentations

Workshops Presented

Others

Status Not Selected/Applicable:

Reviewer for Granting Agencies: Regularly review research grant proposals for NSERC (Natural Sciences and Engineering Council of Canada) and NSF (National Science Foundation, USA).

Patents

PRESENTATIONS(INVITED, PEER REVIEWED CONFERENCE, PEER REVIEWED POSTER):

Presentation Category	Month	Year	Location	Title/Topic	Conference/Workshop Title	Co-Presenter(s)
Peer Reviewed Conference	June	2013	Anchorage, Alaska	Test of Over-dispersion in Longitudinal (clustered) Count	The International Environmetrics Society	
Invited Presentation	August	2012	San Diego, USA	Bias-corrected GEE Estimation for Longitudinal Data	2012 Joint Statistical Meetings of the American Statistical Association and SSC	

Presentation Category	Month	Year	Location	Title/Topic	Conference/Workshop Title	Co-Presenter(s)
Invited Presentation	May	2012	Guelph, Canada	Modeling Longitudinal Binomial Responses by Generalized Estimating Equations.	2012 Annual Meetings of the Statistical Society of Canada	Xhuemao Zhang
Invited Presentation	May	2012	Guelph, Canada	Negative Binomial Behrens-Fisher Problem.	2012 Annual Meetings of the Statistical Society of Canada	Khurshid Alam
Peer Reviewed Conference	January	2012	Hyderabad, India	Estimation of Regression Parameters for Binary Longitudinal data Using GEE: Review, Extension and an application to Environmental Data.	22nd Annual Conference of the International Environmetrics Society	
Invited Presentation	July	2011	Concordia University	Testing Homogeneity in Clustered (Longitudinal) Count Data	Statistics 2011	
Invited Presentation	July	2011	Concordia University, Montreal	Gaussian estimation of regression effects in longitudinal	Statistics 2011	Xuemao Zhang
Invited Presentation	July	2011	Concordia University, Montreal	Assessing goodness of fit of generalized linear	Statistics 2011	
Invited Presentation	March	2010	University of California, Riverside	Testing Homogeneity in clustered (Longitudinal) Count		
Invited Presentation	February	2010	Arizona State University	Testing Homogeneity in clustered (Longitudinal) Count		
Invited Presentation	February	2010	University of California, Santa Barbara	Testing Homogeneity in clustered (Longitudinal) Count		
Peer Reviewed Conference	December	2006	Kolkata, West Bengal, India	Analysis of covariance of zero-inflated paired count data using a zero-inflated bivariate Poisson regression model	4th International Triennial Calcutta Symposium on the Probability and Statistics,	

CONTRIBUTED PRESENTATIONS:

Month	Year	Location	Title/Topic	Conference/Workshop Title	Co-Presenter(s)
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PRESENTATIONS/SYMPOSIA/ROUNDTABLES/DISCUSSANT/COMMENTATOR/GUEST LECTURES:

Presentation Category	Year	Organization/Sponsor	Location	Title/Topic	Address	Invited	With Paper	Distributed	Note
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OTHER RESEARCH RELATED ACTIVITIES:

List any editorial, reviewing or grant adjudication activity that supports research.

Comment on research mentoring activities. Comment on any other research achievements.

Date To Other Research Activities From

Present Have been doing research in many important areas of Biostatistics: ie: Correlated Data (clustered/longitudinal); Generalized Linear Models; Categorical Data Analysis; Zero-inflated and over-dispersed count data regression models; Case-control data; Estimating equations; Random effects models; Frailty models; Measurement error; and Missing Data.

CITATIONS AND REFERENCES TO THE SCHOLARLY AND CREATIVE ACTIVITY:

Nature of Citation Author of Citation Title Location

GRANTS:

Grant Year(s)	Grant Status	Source Type*	Total Amount	Amount Per Year	Amount Allocated to Researcher	Principal Investigator	Purpose**	Project Title	Note
2013-2018	Obtained	NSERC C	CAD 95,000	19,000	100%	Sudhir Paul	Research	GLM,GEE and GLMM	19,000 per year
2008-2013	Obtained	NSERC C	CAD 95,000	3,800	40%	Sudhir Paul	Research	Generalized Linear Models	19,000 per year
2003-2008	Obtained	NSERC G	CAD 105,000	4,200	100%	Sudhir Paul	Research	Inference in generalized linear models with over-dispersion, zero-inflation, missing values and measurement errors	21,000 per year
1999-2003	Obtained	NSERC G	CAD 71,200	4,462	100%	Sudhir Paul	Research	Generalized linear models with zero-inflation and/or over-dispersion with covariate measurement errors, methods for longitudinal and clustered data and finite mixture models	
2000-2001	Obtained	NSERC G	CAD 35,650	35,650	100%		Other	Generalized linear models with zero-inflation and/or over-dispersion with covariate measurement errors, methods for longitudinal and clustered data and finite mixture models	
1995-1999	Obtained	NSERC G	CAD 56,000	3,500	100%		Research	Generalized linear models with zero-inflation and/or over-dispersion with covariate measurement errors, methods for longitudinal and clustered data and finite mixture models	
1992-1995	Obtained	NSERC G	CAD 43,500	4,833	100%		Research	Generalized linear models with zero-inflation and/or over-dispersion with covariate measurement errors, methods for longitudinal and clustered data and finite mixture models	

Grant Year(s)	Grant Status	Source Type*	Total Amount	Amount Per Year	Amount Allocated to Researcher	Principal Investigator	Purpose**	Project Title	Note
1989-1992	Obtained	NSERC G	CAD 38,700	12,900	100%		Research	Generalized linear models with zero-inflation and/or over-dispersion with covariate measurement errors, methods for longitudinal and clustered data and finite mixture models	
1986-1989	Obtained	NSERC G	CAD 25,500	8,500	100%		Research	Generalized linear models with zero-inflation and/or over-dispersion with covariate measurement errors, methods for longitudinal and clustered data and finite mixture models	
1983-1986	Obtained	NSERC G	CAD 22,500	7,500	100%		Research	Generalized linear models with zero-inflation and/or over-dispersion with covariate measurement errors, methods for longitudinal and clustered data and finite mixture models	

*Type: C-Granting Councils; F-Foundations; FR-Fund Raising Campaign; G-Government; I-Industrial; O-Other

**Purpose: Creative Activity, Equipment, Other, Publication, Research, Training, Travel

CREATIVE ACTIVITY:

Date	Name of Activity	Nature of Activity	Role/Position	Production Company	Where	Comments
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DRAMATIC ART

VISUAL ART

MUSIC (COMPOSITION)

MUSIC (DIRECTING/CONDUCTING)

MUSIC (ARTISTIC DIRECTION)

MUSIC (PERFORMANCE)

COMMUNICATION STUDIES (Film, Video and New Media)

SERVICE ACTIVITY:

SERVICE TO THE UNIVERSITY

Positions with responsibility stipend and ex officio committee membership

2010/01/01-2010/01/31, Consultant to OCGS for the appraisal of M.Sc. program in Statistics at the University of McMaster

Positions without responsibility stipend

2011/07/01-2012/06/30, Member, Promotion, tenure and renewal committee, dept of Math and Statistics

2010/07/01-2011/06/30, member, promotion, tenure and renewal committee, Odette School of Business

2008/01/01-2009/06/30, Chair, Pierre Robillard committee (Best thesis award committee in Canada.) of the Statistical Society of Canada

2005/01/01-2009/06/30, Member, Pierre Robillard committee (Best thesis award committee in Canada.) of the Statistical Society of Canada

2007/01/01-2008/06/30, Member, Appointment, Promotion and Tenure Committee, Department of Mathematics and Statistics at the University of Windsor

2007/01/01-2008/06/30, Member, Gold Medal committee of the Statistical Society of Canada

2007/01/01-2008/06/30, Member, Honorary Member committee of the Statistical Society of Canada

2007/01/01-2008/06/30, Member, Search Committee for Dean of Science, University of Windsor

2003/01/01-2008/06/30, Member of the Appointments, Promotion and Tenure Cmte

1989/07/01-2008/06/30, Local representative for the Statistical Society of Canada

2005/01/01-2008/06/03, Member, publications committee of the Statistical Society of Canada

2007/01/01-2007/06/30, Chair, selection panel, Ontario Graduate Scholarship Program

2006/01/01-2007/06/30, Member, Search Committee, Associate Dean of Graduate Studies

2006/01/01-2007/06/30, Member, Search Committee, Associate Vice-President Academic

2004/01/01-2007/06/30, Member, selection panel, Ontario Graduate Scholarship Program

2005/01/01-2006/06/30, Chair, nominating committee, for the President of the International Indian Statistical Association

2005/01/01-2006/06/30, Member, Program Development Committee

2004/01/01-2006/06/30, Chair, Graduate Studies Committee, Department of Mathematics and Statistics

2004/01/01-2006/06/30, Chair, nominating committee for Trustee of the International Indian Statistical Association

2004/01/01-2006/06/30, Member of the committee on professional developments of the Statistical Society of Canada

2004/01/01-2006/06/30, Member, Graduate Council

2003/01/01-2006/06/30, Equity Assessor

2003/01/01-2006/06/30, Member, finance committee of the Statistical Society of Canada

2004/01/01-2005/06/30, Member, Honorary Degree Committee

2004/01/01-2005/06/30, Chair, Graduate Committee

2004/01/01-2005/06/30, Equity assessor for appointments, promotion, renewal, tenure and Permanence

2004/01/01-2005/06/30, Member, Appointment Committee, Odette School of Business

2004/01/01-2005/06/30, Member, Promotions and Tenure Committee, School of Computer Science

2004/01/01-2005/06/30, Member, Search Committee, Associate Vice-President Research

2004/01/01-2005/06/30, Member, Search Committee, Associate Vice-President Research

2004/01/01-2005/06/30, Member, Senate Standing Committees

2004/01/01-2005/06/30, Senator

2000/01/01-2005/06/30, Member, Graduate Council

2003/01/01-2004/06/30, Member, Appointment, Promotion and Tenure Committee, Department of Mathematics and Statistics at the University of Windsor

Positions without responsibility stipend

2003/01/01-2004/06/30, Member, Renewal Committee of the Department of Earth Sciences
2003/01/01-2004/06/30, Member, Search Committee for Vice-President Research
2002/01/01-2004/06/30, Member, Search Committee for Head of the Department of Biology
2003/01/01-2003/06/30, Member of the Search Committee for the Associate Dean of Science
2001/01/01-2002/06/30, Chair, Search Cmte for the Dept. Head Of Mathematics & Statistics
2001/01/01-2002/06/30, Member, Windsor Race Relations Board
1997/07/01-1998/06/30, Member of the Statistical Education Committee of the Statistical Society of Canada
1996/01/01-1997/06/30, Member of the Liaison Committee of the Statistical Society of Canada
1980/01/01-1982/06/30, Chair of the Graduate Studies Committee
1973/05/01-1973/08/30, Head of the Department of Statistics, University of Chittagong

University committee membership

2010/09/01-2011/06/30, Member of Promotion, Tenure and renewal committee, Odette School of Business
2007/05/31-2008/02/15, Member of the search committee for the Dean of Science

Faculty association committee membership

Liaison activity

SERVICE TO THE ACADEMIC COMMUNITY

List work for academic societies, etc

SERVICE OUTSIDE THE UNIVERSITY

List committees served on, and/or services provided in the broader community/government/profession

- Present, 1985 External examiner for PhD thesis: Department of Epidemiology and Biostatistics, University of Western Ontario
- Present, 1989 - 2008 Local representative for the Statistical Society of Canada
- Present, 1989, 1998 and 2005 External Examiner for PhD thesis: The Department of Statistics and Actuarial Sciences at the University of Waterloo. Three students.
- Present, 1995 External examiner for PhD thesis: Department of Mathematics and Statistics, Concordia University
- Present, 1996-1997 Member of the Liaison Committee of the Statistical Society of Canada
- Present, 1997 - 1998 Member of the Statistical Education Committee of the Statistical Society of Canada
- Present, 2001 - 2002 Member of the Windsor Race Relations Board
- Present, 2003 - 2007 Member of the selection panel, Ontario Graduate Scholarship Program
- Present, 2004 - 2007 Member, Finance Committee of the Statistical Society of Canada
- Present, 2004 - Present Associate Editor for Journal of Statistics and Its Applications
- Present, 2004 -2007 Member of the Selection Panel, Ontario Graduate Scholarship Program.
- Present, 2004-2006 Chair, Nominating Committee for Trustee of the International Indian Statistical Association
- Present, 2004-2006 Member of the committee on professional developments of the Statistical Society of Canada
- Present, 2005 - 2008 Member of the Pierre Robillard Committee , SSC
- Present, 2005 - 2008 Chair, Pierre Robillard Committee (Best thesis award committee in Canada) of the Statistical Society of Canada
- Present, 2005-2006 Chair, nominating committee, for the President of the International Indian Statistical Association

List committees served on, and/or services provided in the broader community/government/profession

- Present, 2007 Chair, Selection Panel, Ontario Graduate Scholarship Program
- Present, Chair, Pierre Robillard Award Committee of the Statistical Society of Canada 2007-2008
- Present, External Examiner for the Ph.D. thesis in the Dept. of Epidemiology and Biostatistics at the University of Western Ontario.
- Present, External Examiner for the Ph.D. thesis in the Dept. of Mathematics and Statistics at Concordia University.
- Present, External Examiner for the Ph.D. thesis in the Dept. of Statistics and Actuarial Sciences at the University of Waterloo.
- Present, External Examiner, Ph. D thesis, University of Waterloo, 2005
- Present, Local Representative of the Statistical Society of Canada 1989-2008
- Present, Local Representative, Canadian Statistical Association sine 1989
- Present, Member of the Finance Committee of the Statistical Society of Canada.
- Present, Member of the publication Committee, 2005-2008, Canadian Statistical Association
- Present, Member, American Statistical Association
- Present, Member, Canadian Statistical Association
- Present, Member, Finance Committee of the Statistical Society of Canada 2003-2003
- Present, Member, Gold Medal Committee of the Statistical Society of Canada 2007-2008
- Present, Member, Honorary Member Committee of the Statistical Society of Canada 2007-2008
- Present, Member, International Biometric Society
- Present, Member, Pierre Robillard Award Committee of the Statistical Society of Canada 2005-2008
- Present, Member, Publication Committee of the Statistical Society of Canada 2007-2008
- Present, Member, Royal Statistical Society
- Present, Past Local Representative for the Statistical Society of Canada.
- Present, Past member of the Liaison Committee of the Statistical Society of Canada.
- Present, Past member of the Statistical Education Committee of the Statistical Society of Canada.
- Present, Referee for Canadian Journal of Statistics.
- Present, Referee for The American Statistician, Technometrics, Biometrics, Environmetrics.
- Present, Referee for the Journal of Agricultural, Biological and Environmental Statistics.
- Present, Referee for the Journal of Royal Statistical Society, Psychometrika, Communications in Statistics, Biometrika, Statistics in Medicine.
- Present, Referee for the Journal of the American Statistical Association.
- Present, Regularly review research grant proposals for NSERC (Natural Sciences and Engineering Council of Canada) and reviewed one NSF (National Science Foundation, United States).
- Present, Serving as reviewer of articles for many professional journals: Biometrika, Biometrics, CJS, JASA, Technometrics, JRSSC, JRSSB, Environmetrics, Statistics for Medicine, The American Statistician, Canadian Journal of Civil Engineering, among others

OUTSIDE ACTIVITIES

Performed in conjunction with the university