

# PAKISTAN JOURNAL OF STATISTICS

## Vol. 1, July 1985, No. 1 & 2

S.No.	Title	Author(s)	Page
1	An analogy of the Rao-Rubin condition for distributions other than the Poisson	B. Raja Rao K.G. Janardon	1
2	Estimation of the abundance of organic compounds in water	K.G. Janardon David J. Schaeffer	17
3	On the application of saddle point method in the determination of exact and asymptotic moments	N.H. Kazi Munir Ahmad	25
4	On tests of independence for the multi-way Markovian contingency tables	Rashid Ahmad	39
5	Empirical Bayes quadratic estimates of variance components in mixed normal models	R. Ahmad S.M. Mostafa	59
6	Estimation of parameters of Burr probability model using fractional moments	A.M. Al-Narazoug Munir Ahmad	67
7	On generalized least squares estimation in inter-battery factor analysis	D.S. Tracy K.G. Jinadasa	79
8	Technical reports / theses / monographs	Mazhar Hussain	92

## Vol. 2, February 1986, No. 1, Series A

S.No.	Title	Author(s)	Page
1	Record Values from a rectangular distribution	M. Ahsanullah	1
2	Interblock Analysis of generalised N-ary balanced block designs	M. Shafiq	7
3	On integration in the multivariate normal	G. Nagse K.S. Banerjee	13
4	Asymptotic distribution of Bartlett's test for homogeneity of variance	D.R. Barr B.N. Nagarsenker	17
5	On a test of homogeneity of variance	B.N. Nagarsenker P.G. Nagarsenker	25
6	On minimizing the average variance of the estimated slope of response surface	S. Huda	31
7	Some waiting time problems	Barry C. Arnold	39

## Vol. 2, November 1986, No. 2, Series A

S.No.	Title	Author(s)	Page
1	On generating and testing random numbers	A. Khalique A.M. Abouammoh	1
2	Prediction in sample from a Weibull population when the sample sizes are random variables: A Bayesian analysis	G.S. Lingappaiah	11
3	The classification statistics $Z^*$ in covariate discriminant analysis	Ahmed Zogo Memon	25
4	A note on bias reduction in moment estimators of the gamma distribution	R.T. Leslie A. Khalique	33
5	A note on a decomposition of $X^2$ distribution	Ashiq Hussain	41
6	Some shrinkage techniques for predicting the population total in finite population	Helen Bolfarine	43
7	Conditional moment prediction method	Adnan M. Awad	55
8	Edgeworth series expansion for the distribution of the log of the ratio of arithmetic mean to geometric mean	S. Huda Rahul Mukerjee	69

**Vol. 2, December 1986, No. 3, Series B**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On a multi-stage 2 <sup>n</sup> factorial survey design: a useful survey design for developing areas	Munir Ahmad H. Kharjian T.A. Bader	1
2	Measuring the change in life-expectancy in Pakistan	Zahid Mahmood A.R. Hashmi	13
3	A further taxonomy of linear sample survey estimators	K.R.W. Brewer Muhammad Hanif	21
4	Estimation of mean age at marriage in Pakistan using Hajnal method	Mazhar Hussain Syed Abid Hassan	31
5	Age at weaning differentials in Pakistan comparison of retrospective durations and current status data	Ghulam Shabbir Arbi	39
6	On probability distribution of monthly precipitation totals in arid regions	A.M. Abouammoh	51
7	Estimation of infant mortality and its differentials based on the HED data 1973 for the Province of Punjab	Amna Nazli	69
8	An areal unit regression analysis of the determinants of fertility differentials in Taiwan 1961-76	Muhammad Ashraf Chaudhry	79
9	Estimating period and cohort marital status rates from duration of previous marital status: use of lexis matrix	Ashraf K. Kayani	91

**Vol. 3, April 1987, No. 1, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On the moments of Bernstein reliability models	Munir Ahmad M.H. Kazi A.K. Sheikh	1
2	Construction of third-order rotatable designs in K-dimensions from those in lower dimensions	S. Huda	11
3	Record statistics and the exponential distribution	M. Ahsanullah	17
4	Central composite designs robust to outliers	Dr. M. Akhtar	41
5	On the determination of the modes of the inverted bivariate normal distribution	Saleh N. Habibullah	49
6	Mixed cylindrically rotatable design	S. Huda	63
7	Estimation of the common dispersion matrix	D.S. Tracy K.G. Jinadasa	69
8	A note on the meixner class	A.A. Alzaid	79
9	Some properties of generalized ridge-type estimators	Dr. Islam Noor	83
10	Predictive density functions: a comparative study	Adnan M. Awad Saad T. Bakir	91
11	Kurtosis for the null distribution of Wilcoxon test statistic using results of MRPP test	I.H. Tajuddin	119
12	Some studies of order statistics from a weibull distribution	Ahmad Zogo Memon Mohamed M. Daghel	123

**Vol. 3, July 1987, No. 2, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Signal detection for pareto renewal process	C. B. Bell R. Ahmad C.J. Park R. Lui	1
2	Nonparametric density estimation: a review	Khaled I. Abdul-Al	55
3	Probability algebras: a review with some statistical applications – I.	J. Ahsan M. Ahmad R. Ahmad	77
4	Development of a modular computer program for testing outliers	A. Raouf	115
5	A new test statistic of goodness of fit	Masood A. Khan Baily B.J.R.	135

**Vol. 3, November 1987, No. 3, Series B**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Stable population model: its abstractness and practical relevance	Ashraf K. Kayani	1
2	A review of robust response surface designs	M. Akhtar P. Prescott	11
3	Designs minimizing the maximum variance of the difference between estimated response at a point and that at the center	S. Huda	27
4	On Ds-efficiency of D-optimal fourth-order rotatable design	S. Huda M. Shafiq	33
5	On fitting the generalized lambda distribution to climatological data	A.M. Abouammoh A. Ozturk	39
6	Stepwise model specification method and I use to model data from plan nutrition experiments.	Asghar Ali	51

**Vol. 4, January 1988, No. 1, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Small sample distribution of minimum-B estimate	Masood Amjad Khan	1
2	Small sample comparison of $X^2$ , B, G and FT goodness of fit test-I.	Masood Amjad Khan	7
3	Small sample comparison of $X^2$ , B, G and FT goodness of fit test-II.	Masood Amjad Khan	21
4	A generalisation of the weighted jack knife for the linear model	Nazir Ahmad Chaudhry	41
5	A note on testing a univariate hypothesis by $T^2$ and T tests	Ahmad Zogo Memon	51
6	Estimation of the derivatives of probability function and mode for uniform mixing process	Khaled I. Abdual	55
7	Elliptical theory tests for equality of two covariance matrices	Muhammad Khalid Pervaiz C.J. Skinner	71

**Vol. 4, August 1988, No. 2, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On estimation of response from scrambled quantitative data	M. Ahsanullah B.H. Eichhorn	83
2	Dispersive and weak Superadditive orderings	Abdul-Hadi N. Ahmed	93
3	On Mixtures of NOD & convolutions of RTI random variables	Abdul-Hadi N. Ahmed	97
4	On the multivariate t-distributions	W.R. Javier T.N. Srivastava	101
5	Bayesian predictive distributions and model requirements	M. Samiuddin G.M. Elsayyad A.H. Alharbey	111
6	Finite sample properties of generalized ridge-type shrinkage estimator (II)	Islam Noor J.S. Mehta	115
7	Some asymptotic results on generalized regression prediction in survey sampling	Josemar Rodrigues Heleno Bolfarine	129
8	A note on the analysis of third-order cylindrically relatable design of type 3	S. Huda	139
9	On the maximum likelihood estimation for a sub critical branching process with immigration	M. Al-Osh A. Alzaid	147

**Vol. 5, May 1989, No. 1, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Signal detection for uniform renewal processes	Y. Choi C.B. Bell C.J. Park	1
2	A note on record values from a Pareto distribution	M. Ahsan Ullah R.L. Houchens	51
3	A Monte Carlo comparison of Normal-Theory and Elliptical-Theory Tests for equality of two Covariance Matrices-I	Muhammad Khalid Pervaiz	59
4	A Monte Carlo comparison of Normal-Theory and Elliptical-Theory Tests for equality of two Covariance Matrices-II	Muhammad Khalid Pervaiz	75
5	Generalized Fourier transforms and applications in probability and statistics	M.A. Chaudhry Munir Ahmad	87

**Vol. 5, September 1989, No. 2, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	The m-grouped cylindrically rotatable designs of types (1,0, m-1), (1,1, m-2) and (0,0, m)	S. Huda	109
2	The coordinate-free prediction in finite population	Josemar Rodrigues	119
3	On application of association matrices in the analysis of fourth-order rotatable designs	M. Shafiq S. Huda	131
4	The detection of change point in a switching multivariate regression model-a Bayesian approach	Hayat M. Awan	143
5	On the distribution of the ratio of powers of sums of Gamma random variable	S.B. Provost	157

6	Estimating non-linear shift in stationary mixing processes in the two sample case	Reg Kulperger	175
7	Estimation of the parameters of a power function distribution by record values	M. Ahsanullah	189
8	On the robustness of a minimax procedure for the population with largest (smallest) scale parameter	J.B. Ofosu, Sabry Hegazy M.H.Z. Jabri	195
9	On the unimodality of mixtures	A.A. Al-Zaid	205
10	Estimation theory under uncertain prior information	S.E. Ahmad	211

### Vol. 5, December 1989, No. 3, Series B

S.No.	Title	Author(s)	Page
1	Efficiency of a sequential density estimator under auto-regressive dependence model	A.K. Hosni	229
2	On the forecast error variance of fitted time series models	Thian S. Kheoh A. Ian Mcleod	239
3	Variance functions for second-order 3-grouped cylindrically rotatable designs of Type 3	S. Huda	245
4	Median location	Parvez Azim	253
5	Unbiasedness and range preservation in power series and other families	S.W. Klein M. Ahsanullah	259
6	Characterizations of the Normal distribution by properties of linear statistics and chi-squared	M. Ahsanullah	267
7	On estimation and prediction from log-logistic population	Qasim M. Al-Shboul A.H. Khan	277
8	On the use of a simple lemma in the generalized multi-variate normal integration	G. Nagase K.S. Benerjee	283
9	Characterization of the exponential and Weibull distribution	M.I Beg M. Masoom Ali	287
10	Some sampling simplified using factorial moments	Nabih N. Mikhail R. Chasnov	293
11	Moments of order statistics from doubly truncated log-logistic distribution	Qasim M. Al-Shboul A.H. Khan	299

### Vol. 6, March 1990, No. 1, Series A

S.No.	Title	Author(s)	Page
1	Prediction interval for the difference between two sample means from exponential population: A Baysian Treatment	Muhammad A. Shayib	1
2	Partial orderings of discrete life distributions based on ageing	A.M. Abouammoh	25
3	Adjusting for non-response by using shrinkage technique	C.N. Bouza	45
4	A new quality measure for produce design	A.K. Chauudhuri Muhammad Hanif Munir Ahmad	55
5	A note on the estimation of proportion in binomial population	S.E. Ahmed	61
6	Design of experiments for selection from Gamma and Weibull population	J.B. Ofosu	69

7	Approximating accumulated claim distributions using laguerre polynomials	M.A. Hashmi S.M. Aqil Burne Ghulam Hussain	83
8	Least squares estimation of the Weibull parameters	Fetih Yildirim	91

### Vol. 6, September 1990, No. 2, Series A

S.No.	Title	Author(s)	Page
1	One-block-at-a-Time $n^2$ Factorial Plans	Hisham Hilow Klaus Hinkelmann	105
2	On efficiency of rotatable designs in estimating the slope of a second-order response surface	S. Huda H. Ali	125
3	Estimation of the scaling parameter for a symmetric density function	A.K. Hosni	133
4	A strict on-Run-at-a-Time $2^n_V$ Plan	Hisham Hilow Klaus Hinkelmann	143
5	Test of normality in multivariate distribution I-Bivariate case	N.N. Mikhail E.T. Skoumbourdis R.Chasnov	163
6	Parameter design: A method for improving quality	Muhammad Hanif Hanif A.K. Chaudhri Munir Ahmad	171
7	Some characterizations of the exponential distribution by first moment of record values	M. Ahsanullah	183
8	Confidence limits for system steady-state availability	Mohammad Abu-Salih Nuha N. Anakerh M. Salahuddin Ahmed	189
9	Analysis of balanced two-components competition design	Mohammad Zafar Yab	197

### Vol. 6, December 1990, No. 3, Series B

S.No.	Title	Author(s)	Page
1	An approach to tolerance limits with two-stage sampling from normal populations	Mohammad M.T. Limam	1
2	Graphical Method to detect departure from normality	Bashir A. Khan	9
3	Quantile analogues: An evaluation of expectiles and M-Quantiles as measures of distributional tendency	M. Hanif M. Zafar Yab	21
4	On fitting a Pearsonian distribution using three or four moments with the known left terminal	H. Tajuddin A. Khalique	39
5	Asymptotic expansion of the relative efficiency of generalized ride estimators	Islman Noor	45
6	A frequency domain analysis of some of the most common moving average	John Moussourakis	53
7	Construction of second order slope rotatable designs through incomplete block designs with unequal block sizes	B.ReVictorbabu V.L. Narasimham	65
8	On cross-sectional analyses of the decline of fertility in Taiwan	M. Ashraf Chaudhry Ian D. Diamond John B. Casterline	75
9	A generalization of the weighted jackknife for the linear model-II	Nazir Ahmed Chaudhry	83

**Vol. 7, January 1991, No. 1, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Dominating inadmissible test of hypotheses for non-centrality parameter	Hussain M. Al-Rawwash	1
2	Two characterizations of the generalized Poisson distribution	M. Ahsanullah	15
3	Statistical methods in analysis: I some tauberian theorems for absolute summability	Mohammad Kazim Khan	21
4	Prediction in exponential life tests where average lives are successively increasing	G.S. Lingappaiah	33
5	Series expansion for the distribution of general quadratic forms in normal random variables	A.A. El-Qasem	41
6	A-optimal design measures for polynomial regression	S. Huda Rahul Mukerjee	47
7	On the properties of the moments of the general Bernoulli distribution: A Note	R.A. Sproule	53
8	On tolerance bands in regression	Mohammad M.T. Limam	63

**Vol. 7, May 1991, No. 2, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On decreasing cumulative conditional survival class of life distribution	M.I. Hendi	71
2	Best linear estimators in random coefficient regression model with a singular dispersion matrix	M.A. Ali	81
3	High-resolution frequency analysis of sunspot relative number	M.M. Siddiqui Chien-Chun Wang	95
4	Limiting distributions of some circuit switched nonhierarchical network	Hassan Peyravi Mohammad K. Khan Paul Ferrell	117
5	On record values from the generalized Pareto distribution	M. Ahsanullah	129
6	Construction of extended most balanced group divisible treatment incomplete block design	Mohammad Qamarul Islam	137
7	Principal component analysis: An extended approach	Asghar Ali Aman Ullah Khan	159

**Vol. 7, September 1991, No. 3, Series B**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A procedure of unequal probability sampling	M. Samiuddin Abdul Kadir A. Kattan	1
2	Umar and Salim Go Population Modelling	K.R.W. Brewer Muhammad Hanif	9
3	Statistical methods in analysis: II (Optimal constants of probability operators)	Mohammad Kazim Khan	17
4	A goodness-of-fit test for the exponential distribution	Dale Umbach M. Masoom Ali	39
5	Inference and prediction problems of the Gumbel distribution based on record values	M. Ahsanullah	53
6	Garch-intervention time series models	Zafar Mahmud	63
7	Construction of extended most balanced group divisible treatment incomplete block designs	Mohammad Qamarul Islam	73

**Vol. 8, January 1992, No. 1, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Some remarks on models, sampling schemes and estimators in unequal probability sampling	M. Samiuddin A.K.A. Kattan Muhammad Hanif H. Asad	1
2	A note on the bias minimizing property of the uniform design measure	S. Huda	19
3	Prediction limits and $\beta$ -expectation tolerance limits for the one way random effects model	Mohammad M.T. Limam	25
4	Bootstrap forecasts versus conventional forecasts: A comparison for a second order autoregressive model	Mun S. Son Donald Holbert Hosny I. Hamdy	33
5	On some characteristic properties of one parameter power series distribution	M. Ahsanullah	45
6	Computing exact likelihood function of vector MA(1) model	S.M. Aqil Burney	51
7	Regression Curves for Farlie-Gumbel-Morgenstern class of bivariate distributions	N.N. Mikhail R. Chasnov T.S. Woolridge	61

**Vol. 8, May 1992, No. 2, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On detecting positive shifts in the parameters of a multi-component process	Rasul A. Khan	1
2	Record values of independent and identically distributed continuous random variables	M. Ahsanullah	9
3	Fixed points of generalized contraction mappings on probabilistic metric spaces	Ismat Beg, et. Al	35
4	Exact bahadur efficiency	Walid Abu-Dayyeh	53
5	On optimum invariant test of independence of two sets of variances with additional information on covariance matrix	S.R. Chakravorti	63
6	Control Chars of proportion with ratio estimator using cluster sampling	Asim J. Siddiqui, et. al.	73
7	Discriminant analysis models: an application to world oil market	Mohammad A. Al-Sahiawi, et. al.	81

**Vol. 8, September 1992, No. 3, Series B**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On decreasing cumulative conditional survival classes of life distributions	M.I. Hendi	1
2	A note on double sampling over two occasions	Raghunath Arnab Fabian C. Okafor	9
3	On some characteristic properties of symmetric distributions	M. Ahsanullah	19
4	On different methods of kernel density estimation	G.M. El-Sayyad M. Samiuddin A.A. Abdel-Ghaly	23
5	A note on the capacity of a Dam	M.S.H. Khan	35
6	Reparameterization and Accuracy of Laplace approximations for posterior moments	Jorge Alberto Achcar	43

**Vol. 9, January 1993, No. 1, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Univariate and multivariate Burr distribution: A survey	Tim R.L. Fry	1
2	Bias reduction methods in non-parametric density estimation	G.M. El-Sayyad M. Samiuddin	25
3	On efficiency of some A-optimal design in subset estimation	S. Huda	35
4	A sequential one-block-at-a-Time $2^n 3^m$ factorial design	Hisham Hallow	47
5	Asymptotic expansions for confidence limits for the parameters of the logistic distribution	Mohammad Iqbal	63
6	Characterizations of a probability function useful in size modeling	Munir Ahmad M. Aslam Chaudhry	75
7	Some distributional results for ratios of quadratic forms in central normal variables	S.B. Provost E.M. Rudiuk	79

**Vol. 9, May 1993, No. 2, Series A**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A comparison of some shrinkage estimators of the regression coefficient through simulation	Abdullah A. Smadi	93
2	Mean square error estimation in randomized response surveys	Arijit Chaudhri	101
3	A note on the estimation of variance of a normal population	Munir Ahmad	105
4	Minimum odds-ratio distance measure of departure from uniform association in cross-classifications having ordered categories	Sadao Tomizawa	109
5	Comments on coherence in parametric density estimation	G.M. El-Sayyad M. Samiuddin A.A. Al-Harby	117
6	On estimating the variance of Horvitz-Thompson estimator	Mohammad Hanif P. Mukhopadhyay S. Bhattacharyya	123
7	On the existence and uniqueness for a stochastic differential equation	Tran Hung Thao	137
8	Shock Models with DCCS properties	M.I. Hendi	143

**Vol. 9, September 1993, No. 3, Series B**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A development of the noncentral Chi-square distribution	Francis T. Hannick Chien-Chuan Tang	1
2	On some ageing concepts over a specific interval	Adnan M. Barry	9
3	On characterization of the normal, one sided normal, lognormal & logistic distributions via conditional expectations	A.N. Ahmed A.A. Abdul-Rehman	19
4	A note on modified product estimator	S.N. Gandge Thomas Varghese S.G.Prabhu-Aigaonkar	31

5	ML and modified ML estimation in gamma distribution with a known prior relation among the parameters	K. Rosaiah R.R.L. Kantam V.L. Narasimham	37
6	Record values of univariate distribution	M. Ahsanullah	49
7	Multistage estimation; of the common location of several exponential distributions	H.I. Hamdy M.S. Son	73
8	Construction of three level second order slope rotatable designs using balanced incomplete block designs	B.Re Victorbalbu V.L. Narasimham	91

### Vol. 10, January 1994, No. 1, Series A

S.No.	Title	Author(s)	Page
1	Pivotal inference in the finite case	Dennis V. Lindhley	1
2	Flexible process capability indices	Norman L. Johnson Samuel Kotz W.L. Pearn	23
3	Bootstrap lower confidence limits estimates for $C_{jpk}$ (The new flexible process capability index)	LeRoy A. Franklin Gary S. Wasserman	33
4	Adaptive estimators for heteroscedastic linear regression models	G.R. Pasha J.K. Ord	47
5	Estimation of the survivor function, hazard function and quantile-function for the extreme-value distribution based on selected order statistics	K.M. Hassanein Edward F. Brown A.K.L. Md. E. Saleh	55
6	Microbased time series analysis: estimating the autocorrelation function using survey samples	Claes-M. Cassel Peter Lundquist	67
7	A reliability model for planning in-service inspections for components subject to degradation failure	Christian Garrigoux William Q. Meeker	79
8	Determinant sampling versus some conventional sampling schemes	D.S. Tracy S.S. Osahan	99
9	Small sample performance of a revised ratio estimator	Muhammad Hanif M. Samiuddin A.K.A. Kattan	123
10	Multiphase and successive sampling for a stratified population with unknown stratum sizes	RM. Sekkappan M.E. Thompson	131
11	Conditional characterizations of the Mardia multivariate Pareto distribution	Barry C. Arnold Enrique Castillo Jose Maria Sarabia	143
12	Records of the generalized extreme value distribution	M. Ahsanullah	147
13	On the concept of approximate sufficiency	Juran Carlos Abril	171
14	Estimating functions of the parameters of normal and logistic distributions using conservative spacings	M. Masoom Ali Dale Umbach	179
15	Some stochastic characteristics of the power series distributions	Rafid Abdul-Razak G.P. Patil	189
16	On the Craig-Sakamoto Lemma	Serge B. Provost	205
17	Survey sampling inference: Some past perspectives and present prospects	K.R.W. Brewer	213
18	Estimation of a gamma mean based on a ranked set sample	Bimal K. Sinha Zhong Wu Heliang Fei	235

**Vol. 10, May 1994, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Recent developments in hypothesis testing from an econometrician's point of view: The editor's introduction	Maxwell L. King	255
2	On sided hypothesis testing in econometrics: A survey	Ping X. Wu Maxwell L. King	261
3	Hypothesis testing of varying coefficient regression models: Procedures and applications	Robert D. Brooks Maxwell L. King	301
4	An optimal test for multiple coefficient variation in the linear regression model	B.P.M. McCabe S.J. Leybourne	359
5	A comparison of marginal likelihood based and approximate point optimal tests for random regression coefficients in the presence of autocorrelation	Shahidur Rahman Maxwell L. King	375
6	Testing AR(1) against MA(1) disturbances in the dynamic linear regression model	Paramsothy Silvapulle	395
7	Integrability and cointegrability testing of the term structure of interest rates	G.C. Lim And Vance L. Martin	423
8	Hypothesis testing in the structural model: A selective survey	G.K. Randolph Tan	455
9	The effect of estimator behaviour on conditional moment tests in probit and tobit models	Christopher L. Skeels Francis Vella	487
10	Generalized exponential approximants to the distribution of test statistics	Jenny N. Lye Vance L. Martin	517
11	burr distribution tables for approximating p-values and critical values by matching skewness and kurtosis	Merran Eans Simone Grose	547

**Vol. 10, September 1994, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On non-negative unbiased variance estimation for Midzuno strategy	D.S. Tracy P. Mukhopadhyay	575
2	Minimal complete class of generator designs for the most balanced group divisible treatment designs for $K = 2, V \geq 4$	Mohammad Qamarul Islam	585
3	Characterization of the D-ordering	Abdulhamid A. Alzaid Lakdere Benkherouf	593
4	Some aspects of reparametreization for statistical models	J.A. Achchar	597
5	Cross diagonal fractions in $2^n$ factorials	Md. Shamsuddin	617
6	Mills' Ratio-A Bayesian Approach	M. Fraiwan Al-Saleh	629
7	Efficiency of Quasi-Likelihood estimation for the Burr log-linear model	Mujahid Rasul	633
8	A balanced non-saturated expansible-contractible $2^n_v$ design	Hasham Hilow Khalid Suliman	641

**Vol. 11, January 1995, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On the maximum likelihood prediction of the exponential distribution based on doubly type-II censored samples	Mohammad Z. Raqab	1
2	General formulae for the determination of moments and cumulants	M.S. Rahman S. Nahar	11
3	Exact and approximate relative efficiency of generalized ridge-type shrinkage estimator	Islam Noor Naseer Ahmad	17
4	An application of some patterned matrices to the principal component analysis of linked variables	Raghavan J. Iyengar Jaesin S. Yoo Pablo M.R. Zafra	23
5	Shock models with NBRU properties	A.M. Aboummoh M.I. Hendi A. Khalique	35
6	Testing sphericity of a high-dimensional distribution based on bootstrap approximation	Li-Xing Zhu Kai-Tai Fang M.I. Bhatti Peter, M. Bentier	49
7	Estimating lognormal means using uncertain prior information	S.E. Ahmed R.J. Tomkins	67

**Vol. 11, May 1995, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Triangular irregular fractional factorial of $2^{\pi}$ square designs	Md. Shamsuddin	93
2	Utilizing some available prior information in estimating the mean of a normal population: A sequential approach	M. Fraiwan Hassan A. Muttalak	99
3	On a conjecture about the likelihood ratio test	Walid Abu Dayyeh Mohammad S. Ahmed	111
4	Modifying median estimator with a preliminary test	S.E. Ahmed J.S. Siddique	117
5	Data analytic implementation of an interacting particle system for tumor growth modeling	W.J. Braun R.J. Kulperger	123
6	Robust multivariate sequential non arborescent method for clustering and recognizing	H. Al-Nachawati H.A.F. Aboukalam	137
7	Closure of mean remaining life classes under formation of parallel systems	A.I. Kanjo A.M. Abouammah	153

**Vol. 11, September 1995, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Estimation of the covariance matrix of the multivariate normal distribution	Anwar H. Joarder	159
2	A generalized family of discrete distributions	M.S. Rahman S. Nahar	167
3	On generalized regression estimators of small domain totals – an evaluation study	A. Chaudhuri A.K. Adhikary	173
4	Measures of departure from logit and global uniform associations in cross-classifications having ordered categories	Sadao Tomizawa, Takashi Seo Kazuhito Fujino	191

5	On the construction of admissible tests for the exponential distribution with numerical applications	Qassem Al-Hassan Hussein Al-Rawwash	203
6	The generalized order statistics and a characteristic property of the exponential distribution	M. Ahsanullah	215
7	Statistics education in Pakistan	M. Atiqullah	219
8	A test for a normal mean based on a modified partial ranked set sample	Wei-Hsiung Shen Wei Yun	227

### Vol. 12, January 1996, No. 1

S.No.	Title	Author(s)	Page
1	Estimation of total and variance estimation in a version of unequal probability sampling in three stages	Arijit Chaudhuri	1
2	Stratified ranked set sample	Hani M. Samawi	9
3	Imbalances in fetal mortality in health regionals of Saudi Arabia	Ashraf K. Kayai Talal J. Hashim	17
4	Nonparametric kernel estimation of density function under dandom censorship from both sides	A.A. Abdushukurov G.D. Karimkulov	23
5	Competing risks model by random censoring from the left	A.A. Abdushukurov	31
6	An example of selection of regressors in an unknown nonlinear situation	Jack R. Green K. Ranai G. Interi A. Thew	41
7	On the characteristic function of the multivariate $t$ -distribution	Anwarul H. Hoarder Mir M. Ali	55
8	Exact critical values for testing block effects	M.I. Bhatti	63
9	Gittins indices and sensitivity analysis in a search model	R.W. Owen L. Benkherouf	73
10	Prediction intervals for the random one-way ANOVA model and the Behrens-Fisher problem	Mohammed M.T. Limam	85

### Vol. 12, May 1996, No. 2

S.No.	Title	Author(s)	Page
1	Estimation in the truncated gompertz distribution with unknown truncation points	A.K.A. Kattan	93
2	Cross-Validation: A Method of Model Validation	Salahuddin	105
3	Simple smoothed histograms	M. Samiuddin, A.H. Al-Harbey M.C. Jones T.A.H. Maatouk	113
4	Using ranked set sampling for hypothesis tests on the scale parameter of the exponential and uniform distributions	Walid Abu-Dayyeh Hassan A. Muttlak	131
5	Shock models with exponential better than renewal in expectation property	I.A. Alwasel H.M. Al-Nachawati	139
6	Preservation properties of binomial mixtures	M.H. Alamatsaz	151
7	Reliability computation for $\alpha$ -distributed strength and stress using Gaussian function	A.K.A. Kattan	159
8	Generalised biostatistical birth model for couple fertility	V.P. Ojha Himansho Pandey	167

**Vol. 12, September 1996, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Modification of Jessen's method 3	Syed Shakir Ali Ghazali	179
2	Limiting behavior of a matching test for two samples	N.M. Siddiqui Ülkü Gürler	189
3	Improved prediction in a simple regression model	S.E. Ahmed T.H. Mahdi	201
4	An improved approximation for the Shapiro-Wilk test statistics for normality	A.A. Al-Shiha S.S. Yang	215
5	Interval estimation of correlation in survey sampling	Arijit Chaudhuri Tapabrata Maiti	231
6	A test of symmetry based on singh statistic	A. Khalique I.H. Tajuddin	243
7	Exploratory plots for the Mann-Whitney test	Mohammad Aslam Ejaz Ahmed	251
8	Hereditary influence on diabetics	B.M. Assas, M. Samiuddin, A.A. Samara A. Meccawi	259
9	Estimation of parameters of the gamma distribution by the method of fractional moments	Masood Rafique Munir Ahmad Faqr Muhammad	265

**Vol. 13, January 1997, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A note on record values of uniform distribution	M. Ahsanullah	1
2	On the record value of the classical Pareto distribution	M. Ahsanullah	9
3	Closer approximations for expected moments of sampled moments	Oliver D. Anderson	17
4	Theoretical moments of sampled multivariate moments	Oliver D. Anderson	29
5	Differential variation in head size of new born in Pakistan	S. Kamal C.J. Lawrence	43
6	Relationship between birth weight, diarrhoeal diseases and whether conditions, using time series (special analysis)	S. Kamal C.J. Lawrence	55
7	Improved Cramer-Von-Mises goodness-of-fit tests	J. R. Green Shuhart Shah	69
8	Pooling slopes of several regression lines	S.E. Ahmed M. Zafaryab	79
9	Population growth and family planning in Pakistan	Sultan H. Hashmi	87
10	Inefficiency of rotatable designs in Hypercubes	S. Huda	101

**Vol. 13, May 1997, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	The Role of ISO 9000 in modern organizations	Neil Hardie	123
2	The move from a pure manufacturing to a more service oriented environment and its implication for ISO-9000	Rolf Blumentritt	135
3	Towards a green Pakistan: A behavioral approach	Faiez H. Seyal	149
4	A note on Malcolm baldrige national quality award	Munir Ahmad	163

5	Expectations: Should they be used for measuring service quality?	Muhammad Nasr	169
6	Recent developments in quality function deployment	Muhammad Nasr	183
7	On installing BS-5750/ISO-9000 at institute of education and research, University of Punjab, Lahore	Munir Ahmad Muhammad Abiodullah	191
8	Current experience in implementing ISO-9000 in Pakistani industries	Haider H. Zaidi A.Z. Memon	197
9	A review and quality assurance approach in F-6 rebuild factory PAC Kamra	Muhammad Ayub Akhtar	199

### Vol. 13, September 1997, No. 3

S.No.	Title	Author(s)	Page
1	Comparison of mean upcrossing and point crossing methods in random processes	Ahmad C. Khansari	201
2	Circular $2^m \times 3^n$ factorial design and internal partial confoundings	Md. Shamsuddin	209
3	Ridge estimation of independent normal means under linex loss	N. Sanjari Farsipour	219
4	Generalized probability distributions	Abdul Kadir A. Kattan	223
5	Estimating the parameter n of the binomial distribution using moment generating function approach	M. Fraiwan Al-Saleh M.K. Shakhathreh	227
6	Unit root tests and structural breaks	Param Silvapulle	245
7	On interference theory for half alpha distributions	Abdul Kadir A. Kattan	261
8	Asymptotically optimal double sampling strategies	Arijit Chaudhry Arun Kumar Akhikary	267
9	Investigation of unfunded liability in a simplified pension fund model	P.W.A. Dayananda	273

### Vol. 14, January 1998, No. 1

S.No.	Title	Author(s)	Page
1	Modification of Jessen's method-2	Syed Shakir Ali Ghazali	1
2	Approximation to the finite sample distribution of a general estimator of the coefficient in a AR(1) model	Juan Carlos Abril Maria Rosa Santillan	11
3	Unit root and structural break	Param Silvapulle	25
4	Exceedance problems concerning a family of branching process	Ibrahim Rahimov Husna Hasan	37
5	A note on Bayesian estimation using ranked set sample	M. Fraiwan Al-Saleh Hassan A. Muttlak	49
6	Self-similarity under compounding	M. Hossein Alamatsaz Yan-Xia Lin	57
7	First passage time for reward processes with nonlinear reward functions: Asymptotic behavior	G.A. Parham A.R. Soltani	65
8	An optimum form for the design based ratio estimator	M. Samiuddin Muhammad Hanif A.K.A. Kattan Israr Khan	81
9	The bootstrap, Jakknife and linear discriminant functions	Atsu S.S. Dorvla Charles S. Bakheit	97

**Vol. 14, May 1998, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Asymptotic properties of the mean moving range of observations with different population means	Rana Abdul Wajid	107
2	Robust Bayesian analysis of the exponential failure model	Anoop Chaturvedi	115
3	Improved prediction in a parallelism problem	T.N. Mahdi M. Zafaryab S.E. Ahmed	127
4	Rescaling bootstrap inference from complex surveys	M. Ashraf Chaudhry Pranab Kumar Sen	149
5	On the estimation of mean vector of student- $t$ population with uncertain prior information	Shahjahan Khan	161
6	Almost unbiased estimators for finite population mean using two auxiliary variables	D.S. Tracy H.P. Singh	177

**Vol. 14, September 1998, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On the asymptotic accuracy of the bootstrap with random sample size	Nguyen Van Toan	193
2	Comparing domain means in two stage sampling using superpopulation model	Rana Abdul Wajid	205
3	Some aspects on evaluating the chosen population	M. Sanjari Farsipour	217
4	Asymptotic distribution of MLE's of the parameters for a diffusion model with catastrophes	M.I. Ageel	223
5	The optimal classification rule for gamma populations	Cemal Atakan Fikri Ozturk	229

**Vol. 15, January 1999, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	An improved randomized response technique	D.S. Tracy S.S. Osahan	1
2	A preliminary test estimator for amount of information in normal parent	D.S. Tracy Housila P. Singh Uday K. Komaragiri	7
3	A modified quantitative randomized response model	D.S. Tracy M.S. Mangat	19
4	Efficient use of two auxiliary variables in two phase sampling as well as in successive sampling	D.S. Tracy Housila P. Singh	27
5	The use of the Durbin – Watson test in non-linear regression models	Juan Carlos Abril Koichi Maekawa	41
6	Improved sample survey estimates using past values	Robert Shavelle David Strauss	47
7	Concomitants of order statistics from bivariate Pareto distribution	Anjuman A. Begum A.H. Khan	65
8	Use of Markov chain Monte Carlo methods for a Bayesian analysis of software reliability models	Jorge Alberto Achcar Marinho G. Andrade	79

**Vol. 15, May 1999, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Estimation of the parameters of the two parameter Weibull distribution by the method of fractional moments	Masood Rafiq Munir Ahmad	91
2	Some properties of Hadamard hypernets with class size 2	Sohaib ud Din	97
3	Estimating $\text{tr}\Sigma$ and $\det(\Sigma)$ under lines loss function	N. Sanjari Farsipour N. Abbasi	101
4	A modified Wilcoxon signed rank test for symmetry	Ayman, S. Baklizi	109
5	A significant correlation: does the sample size matter?	L. Thalib M.I. Bhatti	115
6	Proof of a certain conjecture about the restricted LRT in case of a bivariate normal distribution	Dr. Walid Abu-Dayyeh	127

**Vol. 15, September 1999, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A semi-parametric estimation of reliability for doubly censored data under a proportional hazard rates model	Arturo J. Fernandez Jose I. Bravo Inigo De Fentes	143
2	On an aspect of renewal analysis	Abdul Kadir A. Kattan	151
3	A construction method for balanced 6x6 Graeco-Latin designs with a set of 4 treatments superimposed on a 6x6 Latin square	Asghar Ali	155
4	Improved strategies in randomized response surveys	D.S. Tracy Sarjinder Singh	167
5	Distribution of quadratic forms in Gaussian process	Chien-Chun Wang M.M. Siddiqui	185

**Vol. 16, January 2000, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Estimation; of the probability of correct classification in three populations	Atsu S.S. Dorvlo Podouri S.R.S. Rao	1
2	A class of generalized multivariate normal densities	Jerzy Filus Lidia Filus	11
3	Characterization of the beta type 1 distribution by properties of record values	J. Ahmadi N.R. Arghami	33

**Vol. 16, May 2000, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Estimation of Lorenz Curve using optimally selected order statistics in large samples	Khatab M. Hassanein Edward F. Brown	45
2	Likelihood inference on the mean vectors and scaled covariance matrix of two multivariate student- $t$ populations	Shahjahan Khan	65
3	On the minimaxity and $\Gamma$ -minimaxity of empirical bayes estimators under matrix squared error loss	Gwown Shieh Malay Ghosh	86
4	Optimal allocation of observations under constrained supervision	Bikas K. Sinha Bimal K. Sinha	99
5	Bayesian prediction from a compound statistical model: an actuarial application	L. Thabane M. Safiul Haq	110

6	Time series model selection and forecasting via optimal large penalty estimation	Md. Baki Billah Maxwell L. King	126
7	Bayesian tests for epidemic alternatives in regression models	Abd-Elnaser S. Abd-Rabou Emad-Eldin A. A. Aly	146
8	On the generalized beta integral with matrix argument	L. Thabane, S. Drekcic B. M. Golam Kibria	164
9	A note on the generalized gamma Bessel distribution	L. Thabane , S. Drekcic B. M. Golam Kibria	169
10	Effect of nuisance parameters on the probability of correct selection in model specification	Md. Zakir Hossain Maxwell L. King	181
11	A solution to non-monotonic power of the Wald test in non-linear models	Kim-Leng Goh Maxwell L. King	195
12	Concomitants of record values	M. Ahsanullah	207

### Vol. 16, September 2000, No. 3

S.No.	Title	Author(s)	Page
1	On alternative variance estimators in three-stage sampling	Arijit Chaudhry, Arun Kumar Adhikary Shankar Dihidar	217
2	Design – and model-based sampling inference	Muhammad Hanif	229
3	Right censoring in a discrete life model with constant failure rate and some asymptotic results	A.H. Rezaei N. R. Arghami	247
4	The G/M/r machine interference model with a mixture of priority and ordinary machines	Brian D. Bunday, S. M. H. Bokhari Rana Abdul Wajid	259
5	Recent developments in ranked set sampling	Hassen A. Muttlak M. Fraiwan Al-Saleh	269
6	Simulated comparisons of some tests for NBUHMRL-ness	A.M. Abouammoh, A.I. Al-Garrash A. Khalique	291
7	On combining estimates of relative potency in bioassay with unequal variances	S.E. Ahmed Muhammad Hanif	303

### Vol. 17, January 2001, No. 1

S.No.	Title	Author(s)	Page
1	On some bivariate pseudo-normal densities	Jerry Filus Lidia Filus	1
2	On sampling for a rare attribute in a finite population	Jinadasa Gamage	21
3	Extension of transition approach to parallel trees	Syed Waqar Ali Shah	27
4	Testing hypotheses about the location parameter of the logistic distribution using simple random sampling and ranked set sampling	Walid A. Abu-Dayyeh, Sameer A. Al-Subh Hassen A. Muttlak	37
5	Random ranked set sampling	I. Rahimov H.A. Muttlak	51
6	Recurrence relations for moments of generalized order statistics from exponential distribution	M. Ahsanullah K. Raghunandan	67

**Vol. 17, May 2001, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Statistical models of accelerated life testing	Anwar Khalil Sheikh Munir Ahmad	75
2	A test statistic for identification of noise processes	Akram M. Chaudhry	103
3	Bayesian estimation of the stationary rate of disappointments for a model of a two-unit intermittently used system	VSS Yadavalli, A. Bekker, P.J. Mostert M. Botha	117
4	Predicting the sequence of failure events in a repairable system	Anwar Khalil Sheikh, Mohammad Saleem Munir Ahmad	127
5	Estimation of $P(X < Y)$ in the exponential distribution	Ayman Baklizi	143
6	A note on the performance of a regression-type estimator in two-phase sampling using two auxiliary variables	M.S. Ahmed	151
7	On the accuracy of some estimators in the presence of measurement error	L.N. Sahoo R.K. Sahoo	157
8	Harvesting fish population in randomly varying environment	M.A. Shah	163

**Vol. 17, September 2001, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A note on blackwell's supermartingale inequality	Rasul A. Khan	177
2	Extreme ranked set sampling: a comparison with regression and ranked set sampling estimators	Hassan A. Muttlak	187
3	Freidlin-Wentzell estimation for stochastic evolution equation with monotone nonlinearity	Bijan Z. Zangeneh	205
4	Approximate test of model adequacy based on exact and near replicates	M. Yahya, P. Biggas D.N. Jones	217
5	On time series of observations from exponential family distributions	Juan Carlos Abril	235
6	On analyzing randomized blocks by weighted ranking	Ezz H. Adelfattah, A.R. Karmous M.S. El-Sherbeny	249
7	Estimating sensitive proportions from unequal probability samples using randomized responses	Arijit Chaudhuri	259
8	Generalized likelihood summary in actuarial prediction problems	Jinadasa Gamage	271

**Vol. 18, January 2002, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	The Lindley and Bartlett paradoxes	K.R.W. Brewer	1
2	Model-based optimality of certain well-known multivariate ratio estimators	M.C. Agrawal D.C. Roy	15
3	Outliers, structural shifts and heavy-tailed distributions in state space time series models	Juan Carlos Abril	25
4	On a population diffusion model with jumps	M.I. Ageel	45
5	Bayesian analysis for paired comparison models allowing ties and not allowing ties	M. Aslam	53

6	Parametric estimation in the arcsine distribution	M. Masoom Ali Jungsoo Woo	71
7	Hierarchical Poisson regression modeling of road traffic accidents	Mohamed T. Madi Abdulbari Bener	77
8	Variance estimation for the location-scale family distributions using ranked set sampling	Walid Abu-Dayyeh Hassen A. Muttlak	89
9	Pooling exponential life test data	Ayman S. Baklizi	101
10	Some inference based on k-record values of Univariate distribution	M. Ahsanullah	109
11	On some asymptotical properties of extreme order statistics	Ashraf A. Ahmed Younis	125
12	New median ranked set sampling	Dinesh S. Bhoj	135

### Vol. 18, May 2002, No. 2

S.No.	Title	Author(s)	Page
1	Multivariate constrained Bayes estimation	Malay Gosh Dalho Kim	143
2	Estimating parameters in a tumor growth interacting particle system: the continuity of moments	W.J. Braun R.J. Kulperger	149
3	An approximation to the distribution of the autocorrelation coefficient	Edmund M. Rudiuk	165
4	Testing for departure from exponentiality among distributions possessing increasing hazard rates	Rajesh K. Barnwal Serge B. Provost	179
5	A new proposal for pairwise multiple comparisons with repeated measurements	Ernst Schuster Siegfried Kropf	197
6	Testing the mean of skewed distribution: Chen's $t_2$	B.M. Golam Kibria Arlene Naranjo	213
7	Large sample estimation of a family of economic inequality indices	Ričardas Zitikis	225
8	On the kolmogorov exponential inequality for negatively dependent random variables	Andrei Volodin	249
9	Erdős-Rényi-Shepp laws for arrays with application to bootstrapped sample means	Deli Li Andrew Rosalsky	255
10	Preliminary test estimation of regression coefficients in an exponential regression model with censored observations	S.M. Khan	265
11	Properties and applications of measurable covers and cores	R.J. Tomkins	275
12	Meta-analytical themes in the history of statistics: 1700 to 1938	Keith O'Rourke	285
13	Estimation of distribution function and median in two phase sampling	Sarjinder Singh Anwar H. Joarder	301
14	Influential observations in a preliminary test estimator of the mean	Chien-Pai Han	321

**Vol. 18, September 2002, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Preliminary test prediction of population total under regression models with measurement error	H.M. Kim A.K.Md.E.Saleh	335
2	James-Stein estimators for the mean vector of a multivariate normal population based on independent samples from two normal populations with common covariance structure	Shahjahan Khan Zahirul Haque	359
3	Modified akaike information criterion (MAIC) for statistical model selection	Md. Zakir Hossain	383
4	Jackknifing A general class of estimators – A new approach with reference to varying probability sampling	Debesh Roy Md. Safiquzzaman	395
5	On characterizations of discrete distribution through regressions of record values	Fazil Alioglu Aliev M. Ahsanullah	415
6	A simulation procedure for periodically correlated processes	M. Khalafi M. Azim Mohseni	423
7	High leverage point: another source of multicollinearity	Md. Kamruzzaman A.H.M. Rahmatullah Imon	435
8	Estimating function in survey sampling	Parimal Mukhapadhyia	449
9	Deletion residuals and weight matrices: some of their properties and uses	A.H.M. Rahmatullah Imon	469
10	A modified non-additivity testing in two-way model with one observation per cell	Z. R. Al-Rawi	485

**Vol. 19, January 2003, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On moment generating function of records from extreme value distribution	Mohammad Z. Raqab Mohammad Ahsanullah	1
2	On the law of large numbers for negatively dependent random variables	H.A. Azarnoosh	15
3	Records and exceedances when underlying distribution contains atoms	S. Eryilmaz	25
4	Note on intermediate efficiencies for certain goodness of fit tests	Sherzod A. Mirakhmedov Umida Sh. Yakubova	41
5	Fitted minimax designs for estimating the slope of a third-order polynomial model in a hypercubic region	Al-Shiha S. Huda	53
6	Records related to sequences of branching stochastic process	I. Rahimov M. Ahsanullah	73
7	Estimation of the parameter of hyper-poisson distribution using negative moments	Ayesha Roohi Munir Ahmad	99
8	Statistical quality control based on pair and selected ranked set sampling	Hassen A. Muttlak Walid S. Al-Sabah	107
9	A class of method of moments estimators for the two-parameter gamma family	Douglas P. Wiens Julian Cheng Norman C. Beaulieu	129
10	Constancy of regression for size two record spacing	Anna Dembińska Jacek Wesolowski	143
11	A simple procedure for unequal probability sampling without replacement sample size 2	M. Qaiser Shahbaz Muhammad Hanif	151
12	Fisher information in order statistics	H.N. Nagaraja Z.A. Abo-Eleneen	161

**Vol. 19, May 2003, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Dynamic regression models with stochastic trends: an application to the unemployment-growth relation	Juan Carlos Abril	175
2	Restricted cross validity predictive power	Md. Atikur Rahman Khan Md. Ayub Ali	199
3	The limit theorems for arrays of row-wise PND random variables	H.R. Nili Sani A. Bozorgnia	203
4	Customer satisfaction measurement models: Generalised maximum entropy approach	Amjad D. Al-Nasser	213
5	The best invariant estimation in multivariate distributions	N. Sanjari Farsipour	227
6	Bayesian multivariate normal analysis under balanced loss function	N. Sanjari Farsipour Asgharzadeh	231
7	Modification of Murthy's estimator using some selection procedures for unequal probability sampling and without replacement	M. Qaiser Shahbaz Muhammad Hanif	241
8	Small area estimation under random coefficient regression models with measurement error	Parimal Mukhopadhyay	251
9	Systematic sampling: 'fixed' versus 'random' sampling interval	Arijit Chaudhuri Sanghamitra Pal	259
10	Inverse ascending factorial moments of the hyper-Poisson probability distribution	Ayesha Roohi Munir Ahmad	273

**Vol. 19, September 2003, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A Regression-Type Estimator in Two-Phase Sampling Using Two Auxiliary Variables	Dulal Chandra Roy	281
2	Nonparametric Control Chart based on Sum of Ranks	Fahad S. Altukife	291
3	The Discrepancy of p-values and Posterior Probability in Poisson Distribution	Rahim Chinipardaz	301
4	Modified Ranked Set Sampling Methods	Hassen A. Muttalak	315
5	Family of Non-Central Transformed Chi-Square Distribution	Md. Munir ul Islam	325
6	A single Server Queue with Two Types of Service, Bernoulli Schedule Server Vacations and a Single Vacation Policy	Raid F. Anabosi K.C. Madan	331
7	A new nonparametric control chart based on the observations exceeding the grand median	Fahad S. Altukife	343
8	Model used to determine the daily average demand of electric energy in Argentina – A state space approach	María Teresa Blaconá Juan Carlos Abril	353

**Vol. 20, January 2004, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On some ridge regression estimators under possible stochastic constraints	B.M. Golam Kibria	1
2	Extending comtet's decomposability of integer permutations	Paul S. Horn Douglas A. Wolfe	25
3	Estimation of reliability based on exponential distribution and ranked set sample	Sukuman Sarikavani Montip Tiensuwan Bimal Sinha	31

4	An application of logistic regression in estimation and prediction	Herbert C. Heien William A. Baumann Mezbahur Rahman	37
5	Regularization parameter selection and inference for statistical inverse problems	R.L. Eubank	49
6	A simple general procedure for unequal probability sampling without replacement	Muhammad Hanif M. Samiuddin M. Qaiser Shahbaz	73
7	An information approach to optimal spacing for estimation in location-scale models	Dale Umbach	81
8	Analysis of field failure warranty data with sales lag	Md. Rezaul Karim Kazuyaki Suzuki	93
9	Estimation of threshold parameter using ranked set sampling procedure	Dinesh S. Bhoj	103
10	Interval estimation of the availability of a two-unit standby system with non-instantaneous switch-over and 'dead time'	S.J. Claasen J.W. Joubert V.S.S Yadavalli	115
11	Two series constructions of nearest neighbor balanced BIBRCS	Nizam Uddin	123
12	Asymptotic behavior of expected record values	Ibrahim Rahimov Musawar Malik	129
13	Minimax estimation of the parameter of the Pareto distribution under quadratic and mlinex loss function	C.K. Podder M.K. Roy K.J. Bhuiyan A. Kairm	137
14	Weak records of geometric distribution	M. Ahsanullah	151
15	Design and analysis of left censored data from highly fractionated experiments	Abdul H. Chowdhury	159
16	Simple accurate unique: The methods of modern likelihood theory	D.A.S. Fraser A. Wong J. Wu	173
17	On sum of some hyper-geometric series functions-1	Munir Ahmad Ayesha Roohi	193

### Vol. 20, May 2004, No. 2

S.No.	Title	Author(s)	Page
1	A comparison between the autocorrelation functions of seasonal ARMA and PARMA models	Abdullah A. Smadi	199
2	Moment bounds for negatively dependent sequences	A. Nezakati H. A. Azarnoosh	213
3	A two-unit intermittently used cold standby system from a Bayesian viewpoint assuming a dirichlet prior	P. J. Mostert, A. Bekker V.S.S. Yadavalli	223
4	On post-sample robust prediction of population total	Parimal Mukhopadhyay Hilmi F. Kittani	231
5	A note on the U-statistic	N. Abbasi N. Sanjari Farsipour	241
6	A statistical approach to combining environmental indices with an application to air pollution data from Bangkok, Thailand	Satinee Lertprapai Montip Tiensuwan Bimal K. Sinha	245

7	Impacts of error variance on an asymptotically unbiased estimator for inverse regression	M.Y. Ashkar M.A. Ali	263
8	Fitting income distribution using a new parametric Lorenz curve	Ibrahim M. Abdalla Mohamed Y. Hassan	277
9	A new estimator of population total using Durbin's selection procedure for unequal probability sampling	M. Qaiser Shahbaz	287
10	Modification of Murthy's estimator using general selection procedure for unequal probability sampling without replacement	Nadeem Shafique Butt M. Qaiser Shahbaz	295
11	Characterization of the Poisson probability distribution	Munir Ahmad Ayesha Roohi	301
12	Effectiveness of jack-knife method in reducing bias of ratio estimators of population total in simple random sampling	Mudasser Naseer	305
13	Generalization of Sampford selection procedure	Zahoor Ahmed M. Qaiser Shahbaz Muhammad Hanif	313
14	Corrections on "family of non-central transformed chi-square distributions"	Ghazala Waheed	319

### Vol. 20, September 2004, No. 3

S.No.	Title	Author(s)	Page
1	Ellinger consistency for a discrete prior	Stephen Walker	321
2	Minimax estimation of a bounded binomial parameter	N. Sanjari Farsipour D. Ghazvininejad	329
3	On the efficiency of linear method	Provash Kumar Karmokar M. A. Basher Mian	335
4	Some improvements for histogram estimator using line transect sampling	Omar M. Eidous	345
5	Estimation of quantiles of uniform distribution using generalized ranked-set sampling	A. Adatia A. K. Md. Ehsanes Saleh	355
6	Comparison of two risk functions using the Pareto distribution	Chandan Kumer Podder	369
7	Mathematical modeling of age specific fertility rates and study the reproductivity in the rural area of Bangladesh during 1980-1998	Md. Rafiqul Islam M. Korban Ali	379
8	A recurrent relation of Gini coefficient for Abdalla and Hassan Lorenz Curve using a property of confluent geometric series functions	Rubina Javed Munir Ahmad	393
9	Rotatable generalized central composite designs: A – minimax efficiencies for estimating slopes	S. Huda Arwa M. Al-Shingiti	397
10	Test of parameter of an exponential distribution in predictive approach	A.K. Sinha A.H.M. Rahmatullah Imon S.K. Bhattacharjee	409

### Vol. 21, January 2005, No. 1

S.No.	Title	Author(s)	Page
1	on the product and ratio of $t$ and Laplace random variables	Saralees Nadarajah M. Masoom Ali	1
2	Cosmetic and calibration estimators	Parimal Mukhopadhyay	15
3	Predictive inference for future responses from two component systems	Hafiz M.R. Khan M. Saiful Haq Serge B. Provost	27

4	Modelling and analysis of Hodgkin's disease data using the Lorenz curve	Abdulbari Bener Ibrahim M. Abdalla	43
5	Weighted Kaplan Meier estimation of survival function in heavy censoring	Bahrawar Jan S. Waqar Ali Shah Shuhrat Shah M. Fazli Qadir	55
6	Hellinger consistency for a discrete prior	Stephen Walker	65
7	A stepwise procedure for the identification of multiple outliers and high leverage points in linear regression	A.H.M. Rahmatullah Imon	71
8	On relative efficacies of 'optional' versus 'compulsory' randomization in responses: A simulation-based numerical study covering three RR schemes	Arijit Chaudhuri Amitava Saha	87
9	Pooling estimators of the lognormal mean based on independent samples	Ayman Baklizi M. AL-Haj Ebrahim	99
10	A comparative study on the estimation of regression errors by bootstrap techniques	A.H.M. Rahmatullah Imon Kallol Kumar Das	109
11	On modified randomized device of Warner's model	Javid Shabbir Sat Gupta	123

### Vol. 21, May 2005, No. 2

S.No.	Title	Author(s)	Page
1	On the ratio $X/(X+Y)$ for the power function distribution	M. Masoom Ali Jungsoo Woo Saralees Nadarajah	131
2	Orthogonal polynomial data fitting and finding orthogonal contrast coefficients	Erik W. Sweet	139
3	Identification of censored response data in a multivariate experiment	Abdul H. Chowdhury Rita Aggarwala	147
4	Weighted score test for comparing the survival distribution in case of heavy censoring	Bahrawar Jan S. Waqar Ali Shah Mohammad Iqbal Iftikhar-ud-Din	159
5	A comparison of the power of student's $t$ and Siddiqui $V$ statistics	A. A. Al-Ghamedi	167
6	On the use of L-statistic in Wald-type estimators for fitting a straight line when both variables are subject to error	Amjad D. Al-Nasser M. Al-Haj Ebrahim Abedel-Qader S. Al-Masri	179
7	A new test for complete spatial randomness	Reza Pourtaheri M. Q. Vahidi-ASL	195
8	Mode of inheritance of HLA associated diseases	Mahnaz Khattak Shuhrat Shah Salahuddin	203
9	A comparative study of selected nonparametric multistate approaches for estimating the survival function	Ahmed Hossain H. T. Abdullah Khan	209
10	A simulation study for type III error rates of some variance homogeneity tests	Handan Camdeviren Mehmet Mendes	223

**Vol. 21, September 2005, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A note on design and model unbiased estimators	M. Samiuddin	235
2	On sums of some hyper-geometric series functions-II	Munir Ahmad Ayesha Roohi	245
3	Estimates for tail probabilities of bilinear forms in negatively dependent subgaussian random variables	M. Amini, A. Bozorgnia H. Zarei	249
4	Probability inequalities for sums of negatively dependent random variables	V. Fakoor H.A. Azarnoosh	257
5	A new nonparametric method for estimating the slope of simple linear measurement error model in the presence of outliers	Amjad D. Al-Nasser M. Al-Haj Ebrahim	265
6	Estimation of female adult mortality and construction of female life table from male widowed information of Bangladesh	Md. Rafiqul Islam	275
7	A note on the strong law of large numbers for NA sequences	A. Nezakati	285
8	Mathematical modeling of age specific marital fertility rates in urban area of Bangladesh	Md. Rafiqul Islam	289
9	On the loss of efficiency in randomly cutting down the size of an initial probability sample	Uppala Srinivas	297

**Vol. 22, January 2006, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Model calibration estimation of a finite population variance	Parimal Mukhopadhyay	1
2	Distribution of the ratio of generalized uniform variates	M. Masoom Ali Jungsoo Woo Manisha Pal	11
3	On some new classes of multivariate probability distributions	Jerzy K. Filus Lidia Z. Filus	21
4	A family of estimators of population mean using information on auxiliary attribute	H.S. Jhajj M.K. Sharma Lovleen Kumar Grover	43
5	Kernel-exponential model for line transect density estimation	Omar M. Eidous Abedel-Qader S. Al-Masri	51
6	On a predictive method of estimation in two-stage sampling using p-auxiliary variables	L.N. Sahoo, B.C. Das S.C. Senapati	63
7	Right truncated homogeneous Poisson process	Ayten Yiğiter Ceyhan İnal	69
8	On some asymptotical properties of central order statistics	Ashraf A. Ahmed Younis	79

**Vol. 22, May 2006, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Bayesian multiple comparisons with nonparametric dirichlet process priors for negative binomial populations	M. Masoom Ali, Cho, J.S Munni Begum	89

2	Some asymptotic results with GRE estimators	Parimal Mukhopadhyay	99
3	Modified confidence intervals for the mean of the asymmetric distribution	B.M. Golam Kibria	109
4	The generalized order statistics from exponential distribution	M. Ahsanullah	121
5	Moments of the path integral for continuous-time Markov chain	Gholam Ali Parham	129
6	Weak records of geometric distribution and some characterizations	Omar Hijab M. Ahsanullah	139
7	Identification of high leverage points in logistic regression	A.H.M. Rahmatullah Imon	147
8	Modified inference about the location parameter of the logistic distribution using type ii censored samples	Walid Abu-Dayyeh Esam Al Sawi	157
9	Confidence limits for the expected waiting time of $M M c \infty$ and $M M c N$ queuing models	V.S.S. Yadavalli, R. Natarajan P. Chandrasekhar	171
10	Model-based variance of modified Murthy estimator	Mariyam Hafeez M.Q. Shahbaz Muhammad Hanif	179

### Vol. 22, September 2006, No. 3

S.No.	Title	Author(s)	Page
1	On some asymptotic results in survey sampling	Parimal Mukhopadhyay	185
2	Multistage median ranked set samples for estimating the population mean	Abdul Aziz Jemain Amer Ibrahim Al-Omari	195
3	A note on the performance of several almost unbiased ratio estimators	L.N. Sahoo B.C. Das J. Sahoo	209
4	Double quartile ranked set samples	Abdul Aziz Jemain Amer Ibrahim Al-Omari	217
5	The other derivation of maximum spacing method second part. a comparison of maximum likelihood and maximum spacing methods for the 3-parameters weibull distribution	Yeliz Mert Kantar	229
6	A comparative study evaluating the asymptotic distribution of $L_{n,k}$ test statistic for analyzing unreplicated factorials	A.A. Al-Shiha	241
7	Testing difference between dependent correlations when there is a common variable: A monte carlo simulation study	Mehmet Mendes Handan Camdeviren	251
8	Approximation of likelihood function for multiple autoregressive moving average stationary models	Olorunsola E. Olowofeso, A.B. Fagbohun Khogali A. Khogali	257
9	Group sequential test of stratified non-parametric statistics for survival data	Yaprak Parlak Demirhan Sevil Bacanlı	277
10	Estimation of a common correlation coefficient and testing of equality of $k(\geq 2)$ independent correlation coefficients	Masood Anwar Munir Ahmad	285

**Vol. 23, January 2007, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	On estimating the finite population mean with known population proportion of an auxiliary variable	J. Shabbir S. Gupta	1
2	Multistage quartile ranked set samples	Abdul Aziz Jemain Amer Ibrahim Al-Omari	11
3	(m,M) machine repair problem with spares and renegeing	Charan Jeet Singh Madhu Jain	23
4	A comparison of normal and log-normal(2) distributions using three estimation methods on annual flood peaks data of river Indus at Kotri Barrage	Abdul Ghani Memon	37
5	The new TSME method of covariance estimation for repeated measures crossover design	Ali Hussein AL-Marshadi	47
6	A Monte Carlo study of univariate variable selection criteria	Ali A. Al-Subaihi	65
7	On stress and strength having power function distributions	Maroof A. Khan H.M. Islam	83
8	A skew Gaussian process	M.T. Alodat K.M. Aludaat	89

**Vol. 23, May 2007, No. 2**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Estimation of population mean in single and two phase sampling with or without additional information	M. Samiuddin Muhammad Hanif	99
2	Computer-intensive nonparametric confidence intervals for the population mean with high accuracy and efficiency	F. Yousefzadeh N.R. Arghami	119
3	A short note on Conway-Maxwell-Hyper Poisson distribution	Munir Ahmad	135
4	Some characterizations of the power function distribution based on lower generalized order statistics	Alfred Mbah M. Ahsanullah	139
5	Exponentiated log-logistic distribution - an economic reliability test plan	K. Rosaiah R.R.L. Kantam Ch. Santosh Kumar	147
6	Fitting Pearson III and log-Pearson III distributions on floods data of Indus river at Kotri barrage	Abdul Ghani Memon	157
7	Single server interdependent queueing model with controllable arrival rates and renegeing	Charan Jeet Singh Binay Kumar Madhu Jain	171
8	Bivariate probit analysis for malnutrition data	M. Shafiqur Rahman	179

**Vol. 23, September 2007, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Central limit theorem for integrated square error of kernel hazard estimator under censored dependent model	S. Jomhoori V. Fakoor H.A. Azarnoosh	193

2	Divergence measure and testing statistical hypothesis	E. Pasha A. Beitollahi M. Khodabin	205
3	Bayesian analysis and reliability function of decapitated generalized Poisson distribution	Anwar Hassan Khurshid Ahmad Mir Munir Ahmad	221
4	Approximation to the finite sample distribution of a sufficient estimator of the coefficient in a non-stationary AR(1) model	Juan Carlos Abril	231
5	Reliability equivalence of a parallel-series system	A. Mustafa Ammar M. Sarhan A.S. Al-Ruzaiza	241
6	On Bayesian analysis of generalized geometric series distribution under different priors	Anwar Hassan Khurshid Ahmad Mir Munir Ahmad	255
7	Adaptation of two-stage estimation procedure for mean parameters of linear regression models with arch errors	Muhammad Aslam G.R. Pasha	261
8	Correlation coefficient, its transform and some related issues	M. Samiuddin	275

### Vol. 24, January 2008, No. 1

S.No.	Title	Author(s)	Page
1	On estimating the variance of maximum entropy median for odd sample size	Ahmed Bani-Mustafa Amjad D. Al-Nasser	1
2	Some remarks on Weibull order statistics	Ahmed Zogo Memon	11
3	On prior selection for the mixture of Rayleigh distribution using predictive intervals	Muhammad Saleem Muhammad Aslam	21
4	Conditional Bayesian hypothesis testing for 2×2 tables	M. Ganjali D. Berridge	37
5	Erlang mixtures of some discrete distributions	M.K. Roy M.E. Haque D.C. Roy	45
6	Economic reliability test plan with inverse Rayleigh variate	K. Rosaiah, R.R.L. Kantam J. Pratapa Reddy	57
7	Modified second order response surface designs, rotatable designs using symmetrical unequal block arrangements with two unequal block sizes	B. Re. Victorbabu V. Vasundharadevi	67
8	Skewed reflected distributions generated by reflected gamma kernel	M. Masoom Ali Manisha Pal Jungsoo Woo	77

### Vol. 24, April 2008, No. 2

S.No.	Title	Author(s)	Page
1	Estimation of current population product in successive sampling	Amelia V. García Luengo	89
2	Nonparametric probability density estimation by maximum penalized likelihood method for negatively dependent sequence	E. Shirazi H.A. Nirumand H. Doosti	99
3	On recurrence relations for the expectations of function of lower generalized order statistics	Haseeb Athar Zaki Anwar R.U. Khan	111

4	Testing a point null hypothesis: the comparison of $p$ -values and Bayesian evidence in multivariate normal distribution	Rahim Chinipardaz Asieh Abtahi	123
5	A comparison of methods of estimation of parameters of Tukey's $gh$ family of distributions	M. Mahbubul A. Majumder M. Masoom Ali	135
6	Some research on calibration estimators at the national agricultural statistics service	Phillip S. Kott	145

### Vol. 24, July 2008, No. 3

S.No.	Title	Author(s)	Page
1	On some properties of seshadri family of distributions	Saleha Naghmi Habibullah Munir Ahmad	163
2	Ratio estimators with unequal probability designs	Sevil Bacanli Cem Kadilar	167
3	A family of ABEL series distributions of order $k$ and some particular cases	Rupak Gupta Kishore K. Das Dulumoni Das Gupta	173
4	The uniformly minimum variance unbiased fuzzy estimators of fuzzy parameter based on fuzzy random variables	M. Ghasem Akbari Abdolhamid Rezaei	179
5	Edgeworth approximations to the distribution of the autocorrelation coefficient in the presence of unit roots	Juan Carlos Abril María de las Mercedes Abril Carlos Ismael Martínez	193
6	Sensitivity of ranked set sampling to the shape characteristics of the underlying population: A $g$ and $k$ distribution approach	Syed S. Hossain A. Khan	207
7	Modified ratio estimator for the population mean using double median ranked set sampling	Abdul Aziz Jemain Amer Al-Omari Kamarulzaman Ibrahim	217
8	Construction of new continuous time stochastic processes	Jerzy K. Filus Lidia Z. Filus	227

### Vol. 24, October 2008, No. 4

S.No.	Title	Author(s)	Page
1	Asymptotic properties of the goodness-of-fit tests based on spacings	Sherzod M. Mirakhmedov Muhammad Naeem	253
2	Economic reliability acceptance sampling based on truncated life tests in the Birnbaum-Saunders distribution	Muhammad Aslam R.R.L. Kantam	269
3	Modified maximum likelihood estimators of two parameters of doubly type II censored sample from exponential population	Shamim Akhtar M. Khalid Pervaiz	277
4	Reliability analysis of unreliable server retrieval queue with bulk arrivals	Madhu Jain Ashish Mishra	285
5	Levels and determinants of child undernutrition in Bangladesh	Sumonkanti Das M.Z. Hossain	301
6	One sample proportion test with vague prior in predictive approach	A.K. Sinha Md. Rakibul Hasan A.H.M. Rahmatullah Imon S.K. Bhattacharjee	325

## Vol. 25, January 2009, No. 1

S.No.	Title	Author(s)	Page
1	Survival function estimation for M-dependent processes	Hassan Zarei	1
2	Some crisp central moments based on fuzzy random variables	M. Ghasem Akbari Abdolhamid Rezai	5
3	Estimation of parameters of the gamma distribution in the presence of outliers generated from uniform distribution	Mehdi J. Nooghabi Hadi Jabbari Nooghabi Parviz F. Nasiri	15
4	Bayesian estimation of population proportion of a sensitive characteristic using simple beta prior	Zawar Hussain Javid Shabbir	27
5	Multivariate stochastic regression estimation by wavelet methods for stationary time series	Hassan Doosti Hosein Ali Niroumand	37
6	Prediction distribution of generalized geometric series distribution and its different forms	Anwar Hassan Shahjahan Khan	47
7	Prioritizing the items through paired comparison models, A Bayesian approach	Nasir Abbas Muhammad Aslam	59

## Vol. 25, April 2009, No. 2

S.No.	Title	Author(s)	Page
1	On Bayesian Analysis of the Rayleigh Survival Time Assuming The Random Censor Time	Muhammad Saleem Muhammad Aslam	71
2	On some characterizations of univariate distributions based on truncated moments of order statistics	M. Ahsanullah	83
3	Generalized regression-cum-ratio estimators for two-phase sampling using multi-auxiliary variables	Zahoor Ahmad Muhammad Hanif Munir Ahmad	93
4	A group acceptance sampling plans for truncated life tests based on the inverse Rayleigh and log-logistic distributions	Muhammad Aslam Chi-Hyuck Jun	107
5	On construction of one dimensional all order neighbor balanced designs by cyclic shifts	Rashid Ahmed Munir Akhtar	121
6	On estimation of mean of a sensitive quantitative variable in complex surveys	Zawar Hussain Javid Shabbir	127
7	On negative moments of certain discrete distributions	Masood Anwar Munir Ahmad	135
8	Modified regression-type estimator in two-phase sampling using arbitrary probabilities	Asifa Kamal, M. Qaiser Shahbaz Muhammad Hanif	141
9	Reliability equivalence factors for some systems with mixture linear increasing failure rates	A. Mustafa A.H. El-Bassiouny	149
10	Some improved variance estimators from a bivariate non-normal population	Pulakesh Maiti T.P. Tripathi	165
11	Statistical analysis for tandem and bulk service queueing systems	Paul Savariappan, P. Chandrasekhar V. Mani	195
12	Improved estimation procedures for the mean of sensitive variable using randomized response model	Zawar Hussain Javid Shabbir	205

13	A note on optimum inclusion probabilities in 'WOR-sampling scheme' based on super population model and multivariate information	Pulakesh Maiti T.P. Tripathi	221
14	Properties of a newly defined hypergeometric power series function	Munir Ahmad Abdus Saboor	227

### Vol. 25, July 2009, No. 3

S.No.	Title	Author(s)	Page
1	Estimation of the survival function for a discrete-time stochastic process	H. Doosti Hosein Ali Niroumand	235
2	Evaluation criteria for the construction of binary classification trees with two or more classes	Muhammad Azam Qamruz Zaman Salahuddin K.P. Pfeiffer	241
3	Reproductivity and age-specific fertility rates in Pakistan after 1981	Jamal Abdul Nasir Munir Akhtar M.H. Tahir	251
4	EDF goodness of fit tests of logistic distribution under selective order statistics	S.A. Al-Subh M.T. Alodat K. Ibrahim A.A. Jemain	265
5	Forecasting using regression model with garch error (Box-Cox transformation approach)	Zafar Mahmud Tahira Bano Qasim	275
6	Size-biased distributions and their applications	Khurshid Ahmad Mir Munir Ahmad	283
7	The origin and developments of influence measures in regression	M.A. Ullah G.R. Pasha	295
8	On size-biased Geeta distribution	Khurshid Ahmad Mir Munir Ahmad	309
9	An F-type test based on the ratio of the largest to the smallest ranges from independent samples of the equal sizes	Sajeela Tazeen Dara M. Hanif Abdul Khaliq Munir Ahmad	317
10	Periodic auto-regression modeling of the temperature data of Jordan	Abdullah A. Smadi	323
11	A group sampling plan based on truncated life test for Gamma distributed items	Muhammad Aslam Chi-Hyuck Jun Munir Ahmad	333
12	Wavelet-based estimators of the integrated squared density derivatives for mixing sequences	N. Hosseinioun H. Doosti H.A. Niroumand	341

### Vol. 25, October 2009, No. 4

S.No.	Title	Author(s)	Page
1	Some Corrections for Bayes Curvature	D.A.S. Fraser Y. Sun	351
2	Range Restricted Weight Calibration for Survey Data Using Ridge Regression	J.N.K. Rao A.C. Singh	371
3	On the Selection of the Smoothing Parameter in Poisson Smoothing of Histogram Estimator: Computational Aspects	Yogendra P. Chaubey Pranab K. Sen	385

4	Testing for Differences in Predictive Accuracy	Eva Ferreira Winfried Stute	403
5	Prior Elicitation for a Binomial Proportion	Barry C. Arnold	419
6	Some Comments on Philatelic Latin Squares from Pakistan	Ka Lok Chu Simo Puntanen George P.H. Styan	427
7	On Relationships Between Uncentred and Column-Centred Principal Component Analysis	Jorge Cadima Ian Jolliffe	473
8	On Jump Detection in Regression Curves Using Local Polynomial Kernel Estimation	Bo Zhang Zhihua Su Peihua Qiu	505
9	Dispersion Models in Regression Analysis	Peter X.-K. Song	529
10	Using the Smoothed Bootstrap for Statistical Inference for Markov Chains	Alan M. Polansky	553
11	Statistical Inference with a Single Observation of $N(\theta,1)$	Duncan Ermini Leaf Jun Hui Chuanhai Liu	571
12	Higher-Order Bias and MSE of Nonlinear Estimators	Yong Bao Aman Ullah	587
13	Modeling Experts' Opinions by Using Bayesian Mixture Models for a Subclass of the Exponential Family	M.J. Rufo J. Martín C.J. Pérez	595
14	Generalized Multivariate Ratio Estimator using Multi-Auxiliary Variables for Multiphase Sampling	Muhammad Hanif Zahoor Ahmad Munir Ahmad	615
15	Renovated Partial Plots and Hat Matrix for Censored Regression Model	Dong Q. Wang Lingyun Zhang S.E. Ahmed Nazrina Aziz	631
16	Influence Diagnostics in the Linear Regression Model with Stochastic Linear Restrictions	S. Liu S.E. Ahmed L.Y. Ma	647

### Vol. 26, January 2010, No. 1

S.No.	Title	Author(s)	Page
1	M-Procedures in the General Multivariate Nonlinear Regression Model	Víctor Leiva Antonio Sanhueza Pranab K. Sen Nelson Araneda	1
2	Optimal Design of Experiments when Factors Affect Detection Capability	Natalie Zayats David M. Steinberg	15
3	Estimation of Tail-Probability and Reliability in Exponentiated Pareto Case	M. Masoom Ali Jungsoo Woo	39
4	Estimation in Multifactor Polynomial Regression under Non-Normality	Moti L. Tiku Aysen D. Akkaya	49
5	Some Characterization of Exponential Distribution by Upper Record Values	M. Ahsanullah	69
6	Parameter Estimation in Linear and Quadratic Mixture Models: A Review	Bikas K. Sinha Premadhis Das Nripes K. Mandal Manisha Pal	77

7	A Generalized Exponential-Type Distribution	Serge B. Provost I. Mabrouk	97
8	On a family of product distributions based on the Whittaker functions and generalized Pearson differential equation	M. Shakil, J.N. Singh B.M. Golam Kibria	111
9	A Note on the Interpretation of the Equality of OLSE and BLUE	Augustyn Markiewicz Simo Puntanen George P.H. Styan	127
10	Quasi-Empirical Bayes Estimation of the Parameters of an ARMA (p1, p2) Model: Subspace Restriction	Patrick J. Farrell A.K.Md. Ehanses Saleh	135
11	Increasing Power of Robust Test Through Pre-Testing in Multiple Regression Model	Rossita M. Yunus Shahjahan Khan	151
12	To Predict Disease Outcome: Clinical Risk Factors Plus genetic-Staging for Cancer	Shu-Kay Ng	171
13	A Direct Justification of the Binomial Pricing Model as an Approximation of the Black-Scholes Formula	Xianggui Qu	187
14	Some Improved Estimators in Multiphase Sampling	M. Hanif M. Qaiser Shahbaz Zahoor Ahmad	195
15	A General Class of DSS Estimators of Population Ratio, Product and Mean in the Presence of Non-Response Based on the Sub-Sampling of the Non-Respondents	Housila P. Singh Sunil Kumar	203
16	A Simulation Study for the Bandwidth Selection in the Kernel Density Estimation Based on the Exact and the Asymptotic MISE	Abdel-Razzaq Mugdadi Jennifer Jetter	239
17	Statistical Inference of Weibull Model Using Progressively Type-II Censored Data With Random Scheme	Ammar M. Sarhan A. Al-Ruzaizaa	267
18	The Most Powerful Test In Some Cyclic Predator-Prey Populations	Sévérien Nkurunziza Sorana Froda S. Ejaz Ahmed	281
19	A Truncated Version of the Birnbaum-Saunders Distribution with an Application in Financial Risk	S. Ejaz Ahmed Claudia Castro-Kuriss Esteban Flores V́ctor Leiva Antonio Sanhueza	293

### Vol. 26, April 2010, No. 2

S.No.	Title	Author(s)	Page
1	Comparison of Performance of Community Model Schools and Govt. Girls Primary Schools in Punjab: A Preliminary Statistical Study	Zahida Habib Muhammad Zafar Iqbal	313
2	Moments of Order Statistics from A General Class of Doubly Truncated Continuous Distributions	Jagdish Saran N. Pushkarna	327
3	Consideration of Detectability and Sampling in Measuring Biodiversity	Md. Mostofa Ali Sarkar Molla Huq Syed Shahadat Hossain	339
4	A Generalized Model of Optimal Maintenance Strategy	John E. Goulionis	357

5	Cumulative Sum Statistical Control Charts using Ranked Set Sampling Data	Walid S. Al-Sabah	365
6	A Bimodal Exponential Power Distribution	Mohamed Y. Hassan Rafiq H. Hijazi	379
7	A Catalogue of Nearest Neighbor-Balanced Designs in Circular Blocks of Size Five	Munir Akhtar Rashid Ahmed Fariha Yasmin	397
8	Bayesian and Classical Analysis of Time-to-Failure Model with Comparison of Non-Informative Priors	Muhammad Aslam Muhammad Tahir	407
9	On the Moments of Order Statistics from Discrete Distributions	Sinan Çalik Cemil Colak	417
10	On the Family of Estimators of Population Mean in Stratified Sampling	Nursel Koyuncu Cem Kadilar	427

### Vol. 26, July 2010, No. 3

S.No.	Title	Author(s)	Page
1	A Unified Mixture Model Based on the Inverse Gaussian Distribution	Víctor Leiva Antonio Sanhueza Samuel Kotz Nelson Araneda	445
2	Shrinkage Pre-Test Estimator of the Univariate Normal Mean	Güzin Yüksel Nedret Billor Deniz Ünal	461
3	Bayesian Analysis of Gamma Models for Paired Comparisons	Nasir Abbas Muhammad Aslam	479
4	Projective Properties of Non-Regular Fractional Factorial Designs	M. Hanif Lakho Xianggui (Harvey) Qu M. Fazli Qadir	493
5	Bernstein Polynomial Approach against to some Frequently Used Growth Curve Models on Animal Data	Mehmet Gürcan Cemil Colak Mehmet N. Orman	509
6	Characterization of the Weibull Distribution by Conditional Variance of Generalized Order Statistics	Ziaul Haque Mohd. Faizan	517
7	Estimation of Change Points in a Homogeneous Poisson Process with an Application to Earthquake Data	Ayten Yiğiter Ceyhan İnal	523
8	A New Variables Sampling Plan for Life Testing in a Continuous Process Under Weibull Distribution	M. Aslam Saminathan Balamurali Chi-Hyuck Jun Munir Ahmad	539
9	On Properties of the Bayes Estimates of the Rayleigh Mixture Parameters: A Simulation Study	Muhammad Saleem Muhammad Irfan	547
10	Markov Chain for Multiple Hypotheses Testing and Identification of Distributions for One Object	Leader Navaei	557
11	Corrections of “On Some characterizations of univariate distributions based on truncated values of order statistics” published in 2009 Vol. 25(2), 83-91	M. Ahsanullah	563

**Vol. 26, October 2010, No. 4**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Mean Residual Lives of Some Discrete Distributions	Syed Afzal Hossain M. Ahsanullah	565
2	Generalized Multivariate Regression Estimators for Multi-Phase Sampling Using Multi-Auxiliary Variables	Zahoor Ahmad, Abdul Ghapor Hussin Muhammad Hanif	569
3	Optimal Designing of A Skip Lot Sampling Plan by Two Point Method	M. Aslam, Saminathan Balamurali, Chi-Hyuck Jun Munir Ahmad	585
4	A Statistical Method to Describe the Relationship of Circular Variables Simultaneously	Abdul Ghapor Hussin, S.F. Hassan Y.Z. Zubairi	593
5	Transient Solution of a Catastrophic-cum-Restorative M/M/2 Queue with Heterogeneous Servers	Rakesh Kumar	609
6	Characterization of Continuous Distributions through Conditional Expectation of Functions of Dual Generalized Order Statistics	A.H. Khan, Zaki Anwar Safia Chishti	615
7	On the possibility of Extraneous Maximum Likelihood estimate of the parameter involved in 1st order Autoregressive Process	Saran Ishika Maiti	629
8	Start-up Demonstration Tests under Markov Dependence	Serkan Eryilmaz	637
10	Almost Sure Limit Theorem of Conditional Extremes	Zhongquan Tan Zuoxiang Peng	649
11	Evaluating Cut-Off Values with Time-Dependent Roc Curves for $k_i67$	Sigirli, D., Ercan, I., Jin, Y., Paksoy, E., Tolunay, S. Tasdelen, I.	659

**Vol. 27, January 2011, No. 1**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A piece-wise linear cdf estimator and some applications	F. Yousefzadeh N.R. Arghami	1
2	New generalized Weibull distribution	Mazen Zaindin Ammar M. Sarhan	13
3	Mixed model analysis of ordinal response data with two nested levels of clustering: An application involving a clinical trial	Sadia Mahmud, Ursula Chohan, Gauhar Afshan M. Qamar-ul-Hoda	31
4	On some aspects of the class of Quasi Polya distributions of Sen and Jain	Subrata Chakraborty	47
5	Exact confidence intervals and joint confidence regions for the parameters of the Gompertz distribution based on records	A. Asgharzadeh M. Abdi	55
6	A simulation alternative to simplex algorithm	Malekzadeh, P. Gore, S.D.	65

7	Note on the survival function estimator for m-dependent processes	Yu Miao, Ke Wang FangFang Zhao	75
8	A family of estimators for single and two-phase sampling using two auxiliary attributes	Inam-ul-Haq, Muhammad Hanif Munir Ahmad	81
9	Estimation of clearness index model via CRS, TPRS and MARS	Özlem Alpu, Betül Kan Berna Yazici	95

### Vol. 27, April 2011, No. 2

S.No.	Title	Author(s)	Page
1	The Gamma-Weibull Distribution	Serge B. Provost, Abdus Saboor Munir Ahmad	111
2	Distribution Function Estimation by Wavelets for a $\rho^*$ -mixing process	Hassan Doosti	133
3	Some contributions to inflated generalized power series distributions	M. Aghababaei Jazi M.H. Alamatsaz	139
4	Acceptance sampling plans based on truncated life tests for Maxwell Distribution	Wanbo Lu	159
5	Bayesian Analysis of the Davidson Model for Paired Comparison with Order Effect using Noninformative Priors	Saima Altaf, Muhammad Aslam Muhammad Aslam	171
6	Distribution of mean of correlation coefficients	Syed Anwer Hasnain Munir Ahmad	187
7	A Cross-Validation Approach to Optimize Unequal Cutoff Values in Stepwise Regression	Zafar Mahmood Salahuddin	197

### Vol. 27, July 2011, No. 3

S.No.	Title	Author(s)	Page
1	Generalized Convergence Characterizations of Feller Operator	Mehmet Gürcan Sinan Çalık	213
2	A New Method of Construction of Second-Order Slope-Rotatable Designs using Balanced Incomplete Block Designs	B. Re. Victorbabu Ch. V.V.S. Surekha	221
3	Asymptotic Behaviors of the Lorenz Curve under Strong Mixing	Vahid Fakoor Najmeh Nakhaei Rad	231
4	Estimation using Two-Sample and Large Sample Theory in Ranked Set Sampling	Hassen A. Muttlak, S. Ejaz Ahmed Marwan Al-Momani	241
5	Some Remarks on Non-Central Weibull Distribution	Abdur Razaq Ahmed Zogo Memon	257
6	Improved Ratio Estimators via Modified Maximum Likelihood	Evrin Oral Cem Kadilar	269
7	Generalization of Korovkin Type Approximation by Appropriate Random Variables & Moments and An Application in Medicine	Mehmet Gürcan Cemil Colak	283
8	Panel Cointegration Analysis and Generalized Causality Test of HYV Boro Production of Six	Provash Kumar Karmokar Mahendran Shitan	299

	Different Districts of Bangladesh		
9	Record Values of the Ratio of Rayleigh Random Variables	M. Shakil M. Ahsanullah	307
10	Corrections on “On Sums of Some Hyper-Geometric Series Functions-II” published in 2005 Vol. 21(3), 245-248	Muhammad Javed	327

### Vol. 27, October 2011, No. 4

S.No.	Title	Author(s)	Page
1	Ken Brewer’s Contributions to Survey Statistics and the Foundations of Statistical Inference	Muhammad Hanif	329
2	Which Sample Survey Strategy? A Review of Three Different Approaches	R.L. Chambers	337
3	Combined inference in survey sampling	Carl-Erik Särndal	359
4	Estimating Model Parameters from A Complex Survey under A Model-Design Randomization Framework	David A. Binder	371
5	A Nearly Pseudo-optimal Method for Keeping Calibration Weights from Falling Below Unity in the Absence of Nonresponse or Frame Errors	Phillip S. Kott	391
6	Ken Brewer and the Coefficient of Heteroscedasticity as Used in Sample Survey Inference	James R. Knaub, Jr.	397
7	Asymptotic Consistency under Large Entropy Sampling Designs with Unequal Probabilities	Yves G. Berger	407
8	A general procedure for estimating the population parameter in the presence of random non-response	Housila P. Singh Ramkrishna S. Solanki	427
9	A General Class of Estimator of Population Mean in Presence of Non-response	M. Ismail, M. Qaiser Shahbaz M. Hanif	467
10	Comparison of Variance Estimators in Two-Phase Sampling: An Empirical Investigation	D. Haziza, M.A. Hidiroglou J.N.K. Rao	477
11	A Coverage Approach to Evaluating Mean Square Error	Alan H. Dorfman	493
12	Detecting Groups of Influential Observations in Linear Regression Using Survey Data—Adapting the Forward Search Method	Jianzhu Li Richard Valliant	507
13	Conditional and Unconditional Models in Model-Assisted Estimation of Finite Population Totals	David G. Steel Robert G. Clark	529
14	The tail functions approach to confidence estimation in survey sampling	Borek Puza	543
15	An empirical evaluation of the accuracy of the Hartley and Rao (1962) variance approximation following PPS systematic sampling	Timothy G. Gregoire Zhimin Li	555
16	Remarks on the paper “Combined Inference in Survey Sampling”	Ken Brewer	567

## Vol. 27, December 2011, No. 5

S.No.	Title	Author(s)	Page
1	A Study on Service Quality Performance in Catering Industry – The Application of DEA	Mao, Yunshi Shieh, Chich-Jen	573
2	An Empirical Study on Augmented Reality System Development and Satisfaction for Supporting Hair Style Design	Yong-Fu Chang, Sheng-Wen Hsieh, Ching-Chang Lee Ming-Chia Hsieh	581
3	Statistical Performance Analysis of the Predictive Fast and Seamless Handoff Scheme for the Nested Mobile Network	Ing-Chau Chang Ciou-Song Lu	591
4	Evaluation of Involvement and Cultural Image for Innovative Products with Local Culture	Ying-Jye Lee	613
5	A Study on the Correlation between Marketing Strategies and Operation Performance of Restaurant Chains	Yang, Yung-Sheng Jui-Min Hsiao	623
6	A Study on the Critical Success Factors of ISO 22000 Implementation in the Hotel Industry	Fu-Jin Wang, Chia-Jen Hung Peir-Yuan Patrick Li	635
7	The Indispensable Chef Competency Appraisal of HACCP Certified Contract Food Service Companies in Taiwan	Fu-Jin Wang, Chia-Jen Hung Peir-Yuan Patrick Li	645
8	The Effects of the Introduction of Knowledge Management System Into High-Tech Industry in Taiwan on Managerial Performance	Jyh-Rong Chou Kai-Ping Huang	655
9	Design the Cost Evaluation System for the Local Supply Chain by using Rough Set Theory	Cheng-Che Chiang	663
10	Effect of Service Value and Switching Cost on Customers' Loyalty: A Case Study of TV Shopping in Taiwan	Fan, Wei-Shang	673
11	Effect of Social Capital of Snack Stall Clusters on Tourist Leisure Involvement	Yi-Min Li	685
12	Effect of Consumer Environmental Attitude on Green Consumption Decision-Making	Cheng-Jui Tseng Shuo-Chang Tsai	699
13	Exploring the Correlation between Serious Leisure and Recreation Specialization during Role Transition of Food Critics using Addictive Tendency as an Moderator	Chih-Yun Yang	709
14	The Moderating Effects of Job Stress on Leisure Participation and Job Performance Among Journalists	Shang-Pao Yeh Ping-Feng Chao	721
15	Key Successful Factors of Learning Organization In Kaoshiung City Government	Luke H.C. Hsiao	733

## Vol. 28, January 2012, No. 1

S.No.	Title	Author(s)	Page
1	On New Parameterizations of the Birnbaum-Saunders Distribution	Manoel Neto, Francisco José A. Cysneiros, V́ctor Leiva S. Ejaz Ahmed	1
2	On the Probability Function of First Exit Time for Generalized Poisson Processes	Gamze Ozel Ceyhan Inal	27
3	Repetitive Group Sampling Plans With Double Specification Limits	Sang-Ho Lee, Muhammad Aslam Chi-Hyuck Jun	41
4	On Ratio and Inverse Moment of Generalized Order Statistics from Burr Distribution	A.H. Khan M.J.S. Khan	59
5	On the Use of Medcouple as A Measure of Skewness	I.H. Tajuddin	69
6	A Bivariate Gamma-Type Probability Function Using A Confluent Hypergeometric Function of Two Variables	Abdus Saboor Munir Ahmad	81
7	Robust 2k Factorial Designs: Non-Normal Symmetric Distributions	Birdal Şenođlu, Şükrü Acıtaş Pelın Kasap	93
8	Mixture Model Approach to the Analysis of Heterogeneous Survival Data	Ulku Erisoglu, Murat Erisoglu Hamza Erol	115
9	Optimal designing of A SkSP-V skip lot sampling plan by two point method	Muhammad Aslam Saminathan Balamurali Chi-Hyuck Jun, Munir Ahmad Mujahid Rasool	131
10	A New Approach for Determining Number of Clusters	Erişođlu Murat, Erişođlu Ülkü, Servi Tayfun Sakallıođlu Sadullah	141
11	Carcass Weight Estimation from Some Morphological Traits of <i>Capoeta capoeta capoeta</i> (Güldenstädt, 1772) using Factor Scores in Multiple Regression Analysis	Ecevit Eyduran, Mehmet Topal, Adem Yavuz Sonmez Sıddık Keskin	159
12	The Optimization of Parameters for Target Tracking Filter by Genetic Algorithm and Taguchi Method	Chun-Mu Wu, Ching-Kao Chang Tung-Te Chu	167

## Vol. 28, April 2012, No. 2

S.No.	Title	Author(s)	Page
1	Nearly optimal orthogonally blocked designs for second degree model in three components	T. Hasan M.F. Khan	177
2	Are certain pain-killers equally efficient? A statistical study through the paired comparison models	Nasir Abbas Muhammad Aslam	189
3	Detection of outliers in functional relationship model for circular variables via complex form	A.G. Hussin A. Abuzaid	205

4	Improved straightforward implementation of a statistically inspired modification of the partial least squares algorithm	Aylin Alin M. Masoom Ali	217
5	Recurrence relations for marginal and joint moment generating functions of dual generalized order statistics from power function distribution	Jagdish Saran Aparna Pandey	231
6	Model selection uncertainties and model averaging in autoregressive time series models	M. Qamarul Islam Mehmet Yazici	239
7	Characterizations of certain continuous univariate distributions based on the conditional distribution of generalized order statistics	M. Ahsanullah G.G. Hamedani	253
8	Computation of extreme-value parameters and inference by approximation covariance technique	Provash Kumar Karmokar Mahendran Shitan	259
9	A note on the estimation problem of dynamic binary panel data model with fixed effects	Gang Yu, Wei Gao Ning-zhong Shi	271

### Vol. 28, July 2012, No. 3

S.No.	Title	Author(s)	Page
1	Characterizations of Continuous Distributions by their Mean Inactivity Times	I. Elbatal, A.N. Ahmed M. Ahsanullah	279
2	Some Bayesian Analyses of Fecundability	M. R. Chowdhury Dale Umbach	293
3	On the Residual Lifetimes of Coherent Systems with Exchangeable Components	Mahdi Tavangar Ismihan Bairamov	303
4	Record Statistics using Fuzzy Random Variables	M. Ghasem Akbari Abdolhamid Rezaei	315
5	Two-Stage Estimation in Log-logistic Model	Srinivasa Rao, G. Kantam, R.R.L	331
6	Influence Analysis in the Linear Mixed Model	Semra Turkan Öniz Toktamış	341
7	Spatio-Temporal Interpolation of Precipitation including Covariates: During Monsoon Periods in Pakistan	Ijaz Hussain, Gunter Spöck, Juergen Pilz, M. Faisal Hwa-Lung Yu	351
8	Some Exponential Estimators in Survey Sampling	M. Noor-ul-Amin Muhammad Hanif	367
9	Characterization of Extended Katz's (EK) Family via Negative Moments	Masood Anwar Munir Ahmad	375
10	A Nonparametric Robust Estimator for Slope of Linear Structural Relationship Model	A.S.M.A. Mamun, A.G. Hussin, Y.Z. Zubairi A.H.M.R. Imon	385
11	The Effect of Knowledge Management on Organizational Performance – From the Aspects of Learning Organizations	Shieh, Chich-Jen	395
12	Contribution of Pakistan Journal of Statistics in 'Statistics and Probability' Literature: An Analysis based on the Journal Citation Report (2010)	Faisal Qadeer Munir Ahmad	409

**Vol. 28, October 2012, No. 4**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	An Appraisal of Household Income and Expenditure Survey Design	R. Arnab D. North	423
2	Mean and Range Charts for Skewed Distributions – A comparison based on Half Logistic Distribution	B. Srinivasa Rao R.R.L. Kantam	437
3	On Some Classes of Modified Ratio Type and Regression Type Estimators in Two Phase Sampling	A K P C Swain	445
4	Preference of Prior for the Class of Life-Time Distributions under Different Loss Functions	Syed Mohsin Ali Kazmi, Muhammad Aslam Sajid Ali	467
5	Wind Load Calculations: Is Simplification Possible?	M. Azhar Saleem	485
6	Graphical Diagnostics Methods based on Generalized Residuals for Logistic Regression Models	María del Carmen Pardo Paola Viviani	495
7	A New Skew Logistic Distribution and its Properties	Subrata Chakraborty, Partha Jyoti Hazarika M. Masoom Ali	513

**Vol. 28, December 2012, No. 5**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	Effect of Recreational Involvement on Stress Relief and Job Performance in Restaurant Workers: The Moderating Role of Psychological Contract	Chih-Yun Yang Hung Chih-Hung	525
2	An Empirical Study of Virtual Learning via Online and Instructional Television Formats: A Path and Canonical Perspective View	Tzong-Song Wang	537
3	An Extendable Web-Based System of Managing Distributed Servers using IPMI AND WMI Techniques	Ming-Hsien Yeh, Yuan-Cheng Lai Jian-Wei Lin	551
4	Identifying Key Success Factors of E-Learning in Travel Agents	Shang-Pao Yeh Chien-Hung Lin	565
5	The Risk Priority Index for the Left-Censored Melamine Data	Hsien-Tang Tsai, Shih-Hsiung Lo Luke Hsiao	573
6	Developing Perturbation Rate of the Rough Set Theory to Evaluate the Electronic Transaction Quality of On-Line Shopping	Weiping Hu	581
7	A Study on the Effects of Leadership Style on Organizational Commitment in Catering Industry	Ho, Chia Hui	597
8	Exploring the Effects of Salesperson Competencies on Performance: Case Study of a Ford Car Dealer in Taiwan	Jui-Min, Hsiao	607
9	Exploration of Cultural Elements and Design of Cultural Creativity Products in Remote Districts	Ying-Jye Lee	617
10	Exploration of Cultural Elements and Design of Cultural Creativity Products in Remote Districts	Ying-Jye Lee	617
11	Strategy of Board Structure for Financial Performance - The Empirical Analysis of Chinese Companies with Issued Adrs	Hsiu-Jen Fu	627

12	Effects of E-Learning on Learning Performance – A Case Study on Students in Tourism Department in Taiwan	I-Ying Chang Wan-Yu Chang	633
13	Key Success Factor in Implementing Marketing Strategies in Tourism Industry	Jane Tung	645
14	The Effect of Competency Promotion on Organizational Performance in Public Sector	Luke H.C. Hsiao	653
15	The Effect of Network Relationship on Organizational Performance in Public Sectors	Hong-Cheng Liu	663
16	Studying the Effect of Hospitality Interns' Personality Traits and their Emotional Labor Over Organization Citizenship Behavior	Yi-Min Li, Ying-Huei Kung Tz-Ting Wang	673
17	Risk Analysis of Monopoly Pricing under Demand Uncertainty in Dynamic Markets	Kuo-Wei Lin	687
18	Establishment of Effect Model of Participation Experience in Enterprise Sports Games on Leisure Benefits and Organizational Commitment	Chi-Ming Huang	701
19	The Effect of Corporate Conflict Management on Labor Dispute	Shieh, Chich-Jen Yu Pei	713
20	Virtual Interactions – How Do Individual Efforts Contribute to Overall Performance in Virtual Teams	Ying Chieh Liu	723
21	A Study of the Performance on Human Resource Management Strategy in Tourism Industry with Data Envelopment Analysis	Jyh-Rong Chou, Shieh, Chich-Jen Kai-Ping Huang	735
22	Measuring HR-Line Relationship Quality: A Construct and Its Validation	Rashid Rehman, Faisal Qadeer, Zahida Habib Munir Ahmad	743
23	Effects of Emotional Labor on Organizational Performance in Service Industry	Jiun-Lan Hsu	757
24	Who is hurt by High Costs of Logistics? Evidence from Chinese Provincial Panel Data	Ying Liao Ridong Hu	767
25	The Power of Subordinated Lévy Models to Depict the Arrival of Innovative Information at World FX Market	Eliška Stiborová, Barbora Sznepková Tomáš Tichý	777
26	Studying the Effects of Preschool teachers' Teaching Belief on Teaching Effectiveness from the Aspect of Information Technology	Chou, Mei-Ju	793

### Vol. 29, January 2013, No. 1

S.No.	Title	Author(s)	Page
1	The Asymptotic Equipartition Property for Countable $M$ th-order Nonhomogeneous Markov Chains	Weiguo Yang Xiaosheng Wang	1
2	Improved Exponential Ratio Type Estimators in Stratified Sampling	Abdul Haq Javid Shabbir Sat Gupta	13
3	Estimation of the Shape and Scale Parameters of the Pareto Distribution using Extreme Ranked Set Sampling	Aissa Omar Kamarulzaman Ibrahim	33
4	Further Properties of A Bivariate Gamma-Type Function and Its Probability Distribution	Abdus Saboor Munir Ahmad	49

5	Visualizing Diagnostic of Multicollinearity: Tableplot and Biplot Methods	B. Baris Alkan Cemal Atakan	59
6	On Moments of Weighted Mean of Two Sample Correlation Coefficients	Syed Anwer Hasnain Munir Ahmad	79
7	On order statistics from a 4-variate normal distribution	Abbas Rasouli Farnoush Dehestani Monfared	83
8	Generalized Regression Estimators under Two Phase Sampling for Partial Information Case	Zahoor Ahmad Muhammad Hanif Munir Ahmad	99
9	Comparison of Statistical Tests for Assessing the Proportionality Assumption and Estimation of Parameters of the Cox Model	Md. Hamidul Huque M. Ataharul Islam	111
10	Statistical Shape Analysis for the Classification of Real Tumors Affecting Small Children	Stefen Markus Giebel Jang Schiltz Jens-Peter Schenk	129

### Vol. 29, April 2013, No. 2

S.No.	Title	Author(s)	Page
1	A Generalization of Hypergeometric and Gamma Functions	G. Mustafa Habibullah Abdus Saboor Munir Ahmad	139
2	Generalized Estimator of Population Mean for Two Phase Sampling using Multi-Auxiliary Variables in the Presence of Non-Response at First Phase for No Information Case	Zahoor Ahmad Iqra Maqsood Muhammad Hanif	155
3	Bayesian Modeling In Extreme Values under Type II Censoring with Applications	Hafiz M.R. Khan Ahmed N. Albatineh	181
4	The Gravity of Pakistan's Export Performance in Stratified Sampling	Yasir Tariq Mohmand Aihu Wang	203
5	SkSP-V Sampling Plan with Group Sampling Plan as Reference Based on Truncated Life Test under Weibull and Generalized Exponential Distributions	M. Aslam S. Balamurali Chi-Hyuck Jun Munir Ahmad	217
6	Design and Model Based Studies of a General Class of Estimators used in Two Phase Sampling	Aftab Ahmad Muhammad Hanif	231
7	A Note on Joint Inclusion Probabilities in Maximum Entropy Sampling	Aftab Ahmad Muhammad Hanif	243
8	A Note on the Impact Factor Journals of 'Statistics and Probability'	Faisal Qadeer Munir Ahmad	253

### Vol. 29, July 2013, No. 3

S.No.	Title	Author(s)	Page
1	On Size-Biased Generalized Poisson Distribution	Khurshid Ahmad Mir Munir Ahmad	261
2	Analysis of a Competing Risks Model with Generalized Weibull Distributions	Ammar M. Sarhan Mansour Alameri Ibrahim Al-Wasel	271
3	On Alternative Estimation Techniques for Randomized Response Models	Zawar Hussain, Muhammad Hamraz Javid Shabbir	283

4	A Non-Elementary Proof by Differential Equation for the Central Limit Theorem	Adil Korkmaz Muharrem Burak Önemli	307
5	Sharp Inequalities between the Hyperbolic Cosine Function and the Sine and Cosine Functions	Yun Hua Feng Qi	315
6	Some Strong Deviation Theorems for Stochastic Process Indexed by a Tree	Zhiyan Shi	323
7	Application of Proposed Probability Models and a Simulation Approach: A Study on Public Hospital Delivery Data in Northern Region of Bangladesh	Mostafizur Rahman Asma Ahmad Shariff Aziz Shafie	339
8	Construction of Two-level Blocked Minimum Lower Order Confounding Designs	Yili Tan Runchu Zhang	351

### Vol. 29, October 2013, No. 4

S.No.	Title	Author(s)	Page
1	Characterizations of Distribution of Ratio of Rayleigh Random Variables	G.G. Hamedani	369
2	A Generalization of Flexible Progressive Censoring	Ismail Kinaci	377
3	A Repetitive Type of Group Acceptance Sampling Plan for Assuring the Percentile Life	Muhammad Aslam, Chi-Hyuck Jun Munir Ahmad	389
4	A Note on Multi-Character Surveys	Raghunath Arnab Sarjinder Singh	401
5	Robust Estimation With The Skew t2 Distribution	Sükrü Acitas, Pelin Kasap, Birdal Senoglu Olca Arslan	409
6	Stretched Interpolated Moving Average Technique as A Smoother	Yücel Tandogdu Övgü Çidar Iyikal	431
7	A Note on the characterization of Pareto Distribution by the Hazard Rate of Upper Record Values	Mohammad Ahsanullah Fazil Aliev Sevgi Yurt Oncel	447
8	On Concomitants of Bivariate Farlie-Gumbel-Morgenstern Distributions	Sana BuHamra M. Ahsanullah	453
9	Profit Analysis of the System with Three Dissimilar Repairable Units	Khaled Moh. El-Said	467
10	Modelling Fertility Patterns of Pakistan during 1984-2007	M. Zakria, M. Yaseen, Faqir Muhammad Sajid Mahmood	479
11	Variance Estimation in Two-Phase Sampling using Multi-Auxiliary Variables in the Presence of Non-Res	Zahoor Ahmad Shoaib Ali M. Hanif	487
12	An improvement of the MCD robust Hotelling's T2 through control limits	José-Luis Alfaro Navarro María-Encarnación Andrés Martínez	503
13	Statistics in Planning and Development	Shahjahan Khan	513

## Vol. 29, November 2013, No. 5

S.No.	Title	Author(s)	Page
1	The Key Success Factor in Technology Education	Mei-Ju Chou	525
2	Intervention to Prevent Falls Through Health Education for Elderly in Taiwan	Su Fen Chen	535
3	Comparative Research on Preschool Teachers' Music Cognition and Practice in Aesthetic Area...	Chia-Hui Ko	547
4	Effect of An Ontology-Based Reasoning Learning Approach on Cognitive Load and Learning Achievement of Secondary School Students	Yao-Chien Hsieh Chien-I Lee Kuo-Kuang Chu	561
5	The Effects Web-Based Instruction on Learning Effects	Mei-Ju Chou	573
6	Critical Success Factors in Public Sectors Executing Web-Based Learning	Hong-Cheng Liu	583
7	Effects of Computer Integrated Instruction on Learning Satisfaction - Take the University of Tourism's Student as an Example	Chich-Jen Shieh, Alex Maritz Shang-Pao Yeh	593
8	Critical Success Factors in Overseas Investment of High-Tech Industry	Chich-Jen Shieh Yu Pei	601
9	Using Data Mining Technology to Explore Labor Safety strategy - A Lesson from the Construction Industry	Sung-Lin Hsueh, Chung-Fah Huang Cheng-Yung Tseng	611
10	Service Sabotage And Behavior: The Performance of Fast Food Service in Taiwan	Jane Tung, Sheng Chung Lo Tsunting Chung	621
11	Psychological Contract Breach, Organizational Trust and Organizational Citizenship Behavior of Hotel Industry in Taiwan	Chu-Mei Liu Chien-Jung Huang, Kai-Ping Huang Kuang-Jung Chen	635
12	Effects of Personality Traits of Service Enterprise Staff on Service Encounter	Hsieh, Hsin-Ming Wang, Tsu-En	649
13	A Study on the Effects of Managerial Initiatives on Job Satisfaction Among Employees of Automotive Industries in India	C. Swarnalatha G. Sureshkrishna	659
14	Performance Evaluation of Food Traceability System in Catering Industry	Jeng-Hwan Wang	673
15	Ethical Climate and Whistle-Blowing: An Empirical Study of Taiwan's Construction Industry	Chung-Fah Huang Kung-Lung Lo Chia-Feng Wu	681
16	Efficiency Analysis of Several EU Stock Markets: Mean-Risk Efficient Portfolios	Miloškopa Tomášťichý	697
17	The Appraisal Model of Competitiveness for the Foundry Industry in Taiwan	Kuo-Wei Lin, Yueh-Jyun Lee Ping-Sen Pao	711
18	Key Success Factor in Service Innovation of Hotel Enterprises in Taiwan	Ho, Chia-Hui Wan-Yu Chang	725
19	A Hybrid MCDM Method To Evaluate Supply-Chain Development Strategies	G.T.R. Lin, Chih-Chieh Lin, Chu-Mei Liu Mei-Ju Chou	733

20	The Effects of Brand Images on Purchase Intention in Catering Industry	Chien-Hsiung Lin	745
21	The Key Factors of Green Port in Sustainable Development	Jiuh-Bing Sheu, Tung-Lai Hu Su-Ru Lin	755
22	An Extension Design by Applying Patent Map Analysis on Product Life Cycle	Chi-Hung Lo	769
23	The Key Success Factors on the Customer Relationship Management System in Travel Agencies	Hung Chia-Jen	785
24	Multi-Stage Financial Index Tracking Model Under GH Distribution	Bei Cheng, Zhiping Chen Jia Liu	795
25	The Impact of a Comprehensive Degree of Political Connections under the Three-Way Interaction Model of Multiple Regressions: An Analysis of Listed Companies in China	Zhao Na Wang FuSheng	811
26	Optimal IPO Timing — Based on China: A-Share Market Empirical Research	Liu Yang, Hu Zhiqiang, Weiye Zhou Chengmin Qiu	827
27	A Novel Approach to Performance Diagnosis for ITS Detection System Based on Data Distribution Analysis	Yuchuan Du, Shengchuan Jiang Ziyi Zhou	843
28	Analysis of Residential Water Tariffs and Basic Water Demand using Statistical Data	Dan Chen, Zhi Liu, Zhaohui Luo, Weiguang Wang Jing Chen	857
29	Cluster Analysis of Larger-scale Discrete Data with Application to Estimating Dwell Time of Bus Route	Jinxing Shen Wenquan Li	873

### Vol. 29, December 2013, No. 6

S.No.	Title	Author(s)	Page
1	Research on the Relationship between Environmental Regulation and Economic Growth in Jiangsu Province, China	Shengbang Song Taozhen Huang Shangying Tang	887
2	Research on Theoretical Analysis and Statistical Examination of Manufacturing Enterprise's Service Enhancement Based on Structural Equation Modeling	Yin Hang, Li Baizhou Guotao, Zhujianxin	903
3	An empirical study of Foreign Direct Investment and Economic Growth in China: based on the provincial data	Hongshan Ai Yabin Zhang	925
4	The Relationship between Project Team Dynamic Feature, Conflict Dimension and Project Success — An Empirical Research From Shanghai, China	Wu Guang-dong	935
5	Study on Risk Assessment Method of Product-related Injury Based on FRS Analysis Paradigm	Yan Yin, YongqinFeng, Xiaorui Zhang Yuzhong Chen	953

6	Statistical Analysis of User Check-in Behavior and Its Application in O2O Marketing	Min Ren Guangchun Zhou, Guona Gu Haiping Wang	973
7	Novel Model on Assessment of Construction Project Investment Environment	Yancang Li, Lei Zhao Rouya Li	989
8	The Influence of Brand Perception on the Perceived Quality: An Empirical Study in China	Jing Li, Huanyong Ji Lujun Jiang	999
9	Selection of Finance Development Mode and Governance Path under the Land Finance Angle	Lv Dan	1019
10	The Diverse Perceived Qualities and Perceived Values on App e-Book and App e-Magazine	Hui-Yi Ho, Meng-Huang Lu Pao-Cheng Lin	1029
11	The Impact of CEO Turnover on Corporate Performance—Evidence from Propensity Score Matching Analysis	Weidong Zhu Jin Wang	1049
12	Financial Ecology, Rural Income and Agricultural Development: Evidence from China	Shushu Li Yong Ma	1061
13	The Study on Influencing Factors of Knowledge Transfer among Cluster Enterprises: Based on the Perspective of Distance Contexts	Han Minghua	1079
14	Empirical Analysis on Inter-Provincial Energy Efficiency Space Difference and Influencing Factors of China	Liu Jianmin Mao Jun	1091
15	Identification and Measurement of the Contagion Effects among Main Markets in Financial Crisis	Yaqing Liu Hongbing Ouyang	1105
16	An Evaluating Model of Innovation Performance of Enterprises in Industrial Cluster	Ying-Si Zhao, Yan-Ping Liu Bo Shen	1117
17	The Stock Market Portfolio with the Deposit reserve Rate Shifts: Evidence from China	Liu De-hong Zhang Ran	1129
18	The impact of Financial Development on China's Economic Growth - An Empirical Study	Xiaolong Zhu, Weidong Zhu, Shuai Ding Wencun Shu	1141

### Vol. 30, January 2014, No. 1

S.No.	Title	Author(s)	Page
1	Local Linear Estimation of Scalar Diffusion Models by Using Asymmetric Kernels	Muhammad Hanif	1
2	On Predictive Inference from the Compound Rayleigh Model Based on Censored Samples	Hafiz M.R. Khan	21
3	Estimations of the Partially Linear Models with Smoothing Spline Based on Different Selection Methods: A Comparative Study	Dursun Aydin	35
4	Estimation of $P(Y < X)$ for Distributions having Power Hazard Function	Ismail Kinaci	57

5	Outliers in Educational Achievement Data: Their Potential for the Improvement of Performance	Farooqui, T., Mustafa, I. Christie, T.	71
6	Improved Classes of Estimators for Population Mean in Presence of Non-Response	Saba Riaz, Giancarlo Diana Javid Shabbir	83
7	Factors that Influence Consumers' Willingness to Buy Traceable Agricultural Foods in China: Based on the Empirical Analysis from 1573 Consumers	Jianxian Chen, Zhongxiu Zhao Fei Liu	101
8	Is the Organization of Islamic Cooperation Promoting Trade among Members?	Yasir Tariq Mohmand Aihu Wang	113
9	On Detecting Outlier in Simple Linear Functional Relationship Model using Covratio Statistic	A.A. Ghapor, Y.Z. Zubairi, A.S.M.A. Mamun A.H.M.R. Imon	129
10	Bias Reduction: The Delta Method Versus the Jackknife and the Bootstrap	Christopher S. Withers Saralees Nadarajah	143

### Vol. 30, April 2014, No. 2

S.No.	Title	Author(s)	Page
1	Gibbs Sampling for Sarma Models	Mohamed A. Ismail Ayman A. Amin	153
2	Some More Neighbor Balanced Designs in Circular Blocks of Size Five	Fariha Yasmin, Rashid Ahmed Munir Akhtar	169
3	Prediction of Disease Status: Transition Model Approach for Repeated Measures	M. Ataharul Islam Rafiqul I. Chowdhury	181
4	Two Characterizations of the Truncated Poisson Distribution	Zohdy M. Nofal	197
5	Discrete Inverse Rayleigh Distribution	Tassaddaq Hussain Munir Ahmad	203
6	Switching Generalized Order Statistics through Random Translation, Contraction and Dilation	M. Masoom Ali Imtiyaz A. Shah	223
7	On Some Properties of Geometric Poisson Distribution	Masood Anwar Munir Ahmad	233
8	A Note on Record Values from a Two-Sided Power Distribution	Shakila Bashir, Khalil Ahmed Munir Ahmad	245
9	A Multimodal Skew Laplace Distribution	Subrata Chakraborty, Partha Jyoti Hazarika M. Masoom Ali	253
10	An Extension of Modified Whipple Index–Further Modified Whipple Index	Jamal Abdul Nasir Andrew Hinde	265
11	Some Confidence Intervals for Large Concentration Parameter in Von Mises Distribution	S.F. Hassan, Y.Z. Zubairi, A.G. Hussin S.Z. Satari	273
12	Numerical Solution to the Optimization Problem in Sampling	Nursel KOYUNCU Özgür YEN?AY	285

**Vol. 30, July 2014, No. 3**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A General Class of Mean Estimators Using Mixture of Auxiliary Variables for Two-Phase Sampling in the Presence of Non-Response at Second Phase for No Information Case	Zahoor Ahmad, Muniba Afzal, Ummara Shahid M. Hanif	291
2	Time Series Forecasting Using A Hybrid Neural Networks and Nonparametric Regression Model	Dursun Aydın Mammadagha Mammadov	319
3	Long Memory Forecasting: An Application to KSE Share Index	Arfa Maqsood S.M. Aqil Burney	333
4	Test Statistic for Combined Treatment Contrast Under Heterogeneous Error Variances and Latin Square Design	M.S. Albassam M.A. Ali	345
5	Ranked Set Sampling with Unequal Samples and Unequal Replications	Dinesh S. Bhoj Debashis Kushary	361
6	Chi-square tests for complex survey designs: A case study of Botswana Aids Impact Survey III	Raghunath Arnab, Tokozile Mlambo D. North	373
7	Time Series Modeling and Forecasting of Ampang Line Passenger Ridership in Malaysia	Mahendran Shitan, Provash Kumar Karmokar Ng Yung Lerd	385
8	A New Functional Relationship Model for Circular Variables	S.Z. Satari, A.G. Hussin, Y.Z. Zubairi S.F. Hassan	397
9	Some Asymptotic Results for a Semi-Markovian Random Walk with a Special Barrier	Rovshan Aliyev, Tulay Kesemen Tahir Khaniyev	411

**Vol. 30, October 2014, No. 4**

<b>S.No.</b>	<b>Title</b>	<b>Author(s)</b>	<b>Page</b>
1	A Note on Partially Penalized Calibration	Camelia Goga Muhammad Ahmed Shehzad	429
2	Statistical Inference on Fractals for Cancer Risk Assessment	Milan Stehlik, Stefan Markus Giebel, Jekaterina Prostavkova Jens-Peter Schenk	439
3	Stochastic Model for Two Interacting Disaster Systems Dealing with Two Different Regions	V.S.S. Yadavalli Estelle van Wyk	455
4	Generalized Estimator for Estimating Population Mean under Two Stage Sampling	Riffat Jabeen, Aamir Sanauallah Muhammad Hanif	465
5	Birth Process Modeling of HIV Infections for Three Main Cities of Bangladesh	Md. Nazrul Islam Mondal Mahendran Shitan	487
6	Statistical Diagnostics of Fuzzy Linear Regression Model Based on Case Deletion	Aiwu Zhang	499

7	Double Quartile Ranked Set Sampling for Estimating Population Ratio using Auxiliary Information	Amer Ibrahim Al-Omari Sat Gupta	513
8	Generalized Exponentiated Moment Exponential Distribution	Zafar Iqbal, Syed Anwer Hasnain, Muhammad Salman Munir Ahmad G.G. Hamedani	537
9	Non-Response Problems in Ranked Set Sampling	M. Iqbal Jeelani, S.A. Mir, Imran Khan, S. Maqbool Nageena Nazir	555
10	Some Remarks on Recent Characterizations of Continuous Distributions	G.G. Hamedani	563

### Vol. 30, November 2014, No. 5

S.No.	Title	Author(s)	Page
1	Efficiency measures of the Internet Company in China using a Three-stage DEA Model	Jian Liu and Wei Li	567
2	Estimation and Prediction of Core Inflation	Linyun Zhang	589
3	Information Service Continued Use Model: Based on Competition View	Wenjun Liu, Liyi Zhang, Lin Ding Cuibo Wang	607
4	Convergence Analysis of China's Interprovincial International Trade from the Perspective of Spatial Effects	Dalai Ma, Zhongchang Chen Ling Wang	523
5	Credit Constraint and Rural Finance in China: Theoretical Framework and Policy Implications	Yong Ma Shushu Li	637
6	Empirical Study on Personal Motivation of UGC in Q&A Community	Yu Song, Mao-Zhu Jin Pei-Yu Ren	651
7	An Empirical Study on the Structural Change between the Growing Rate of Defense Spending and GDP time series in China	Feng Zhi, Xia Qing Wan Wenying	667
8	The Evaluation of Regional Logistics Competitiveness of Agricultural Products in China and Spatial Analysis on the Differences	Zhong Sheng	683
9	Research on the Influence Factors of China's Spatial Welfare	Wu Jian, Wu Guang-dong, Zhang Zuo-xiong, ZhouQing Qian Sheng	703
10	Research on Theoretical Analysis and Statistical Examination of Dynamic Capability's Effect on Financial Performance of Enterprise Under the Uncertain Environment	Yin Hang, Li Baizhou, Guo Tao Zhu Jianxin	715
11	From Career Competency to Skilled Employees' Career Success in China: The Moderating Effects of Perceived Organizational Support	Chu Fulei, Ye Long and Guo Ming	737

12	High-Performance Work Systems, Organizational Identification and Job Satisfaction: Evidence from China	Guo Ming, Liao Ganli Chu Fulei	751
13	Using Support Vector Machines for the Commercial Bank Credit Risk Assessment	Menggang Li, Zuoquan Zhang, Yi Qiu	767
14	Matter-Element Model for Evaluating the Financial Security	Menggang Li, Zuoquan Zhang Rongquan Bai	779
15	An Empirical Study on Sino-U.S. Monetary Policy Interdependence	Yan Chunxiao Xia Qing	791
16	Positive Analysis on the Co-integration of Urbanization Rate and Housing Price of Nanchang	Yongxiang Wang Haiyan Feng	805
17	Empirical Research on Knowledge Sharing Factors in Travel Online Community	Jie Wang, Yu Song, Maozhu Jin Peiyu Ren	815
18	Employment Modes, Charismatic Leadership and Organizational Citizenship Behavior: Explanations from Perceived Job Security	Shuliang Wang, Hanming Zhou Peng Wen	827
19	Empirical Analysis of the Correlation between CSR of Petroleum Enterprises and Financial Performances in China	Liu Xiantao, Dou Wang Liu Jian	837
20	Assessing the Effect of Panel Threshold on Relief Expenditure, Disaster Losses and Economic Growth	Yan-Xuxian, Li-Xianjun Yan-Xuting	857
21	The Influence of Social Presence and Psychological Distance on Impulse Buying in Online Context	Lu Huang, Heng Zhang, Maozhu Jin Jia Wang	873
22	Study on Information Transmission about SIF and Spot Market of CSI 300 in China	LI Cong, LIU Xi-hua, YANG De-ping BAI Xue	887
23	Regression Analysis for Sino - Foreign Cooperation in Running School of Higher Education Based on IV	Ming-Xia LÜ	897
24	Effect of High Performance Work System on Organizational Citizenship Behaviors from China New Generation Employees	Liao Ganli, Ye Long Guo Ming	911
25	Chinese Users' Acceptance of Medical Health Websites based on TAM	Miao Miao, Yang Lu Qinghong Shuai	923
26	Study on Antecedent Variables of Dual Commitment in the Transitional Economy	Hongmei Shan, Enhua Hu, Lingyun Wang Guangping Liu	939
27	The Impacts of Power and Relationship Commitment between Integrator and Supplier on the Performance of Service Supply Chain Integration: An Empirical Study of the Service Industries in South China	JIAN Zhaoquan LIU Yi	957

28	Top Managers' Confidence, Ultimate Controller and Firm Value: A Study Based on Empirical Analysis and Monte Carlo Simulation	Yongzhuang Li Lijuan Lang	973
29	An Empirical Study on Online Group Buying Adoption Behavior in China	Chunjuan Zhai Yan Zhang	987
30	Empirical Research on the Effect of Workplace Learning on Logistics Management Specialty and its Decision Implication	Wenliang Bian, Qilan Zhao, Li Zhang, Jingzhi Ding, Yu Bian Yana Chen	1011

### Vol. 30, December 2014, No. 6

S.No.	Title	Author(s)	Page
1	Thermosolutal Convection in A Rectangular Enclosure with Opening Partitions: An Experimental Study	Te-Yuan-Chiang, Ay.-Su Shu-Lung Wang	1025
2	Drill-Bit Selection Based on Principal Component Analysis	Haibo Liang Xiao Duan Li	1037
3	The Warning Model of the Early Kick Based on BP Neural Network	Hu Yin, Menghan Si Haibiao Wang	1047
4	Research and Design on Optimization of Geophone Networks during Fracturing Microseismic Monitoring	Haibo Liang, Tang Li Deng Zhen	1057
5	Mathematical Modeling and Prediction of the Retention Layer during Cementing	Haibo Liang, Menghan Si Hu Yin	1067
6	A Model Based on Orthogonal Regression Analysis for Prediction of Build Rates in Compound Drilling in Long Horizontal Section	Hu Yin, Menghan Si, Ran Wang Hui Liu	1081
7	Large-scale Visual Physical Simulation of Acid Fingering	Xiaogang Li, Zhaozhong Yang, Jinzhou Zhao, Rui Song Yiting Wang	1093
8	An Algebraic Method for Analysis of Radial Flow through Deformed Porous Media in Fractal Reservoir using Similar Construction Method	Yin Hu, Songlin Zhang Wei Li	1109
9	Effects of Service Quality on Organizational Performance	Jen-Son Cheng Yu-Chieh Lin	1131
10	The Influence of Customer Relationship Learning on Product Innovation Performance	SUN Rui ZHANG Hui-Fei	1141
11	Student Attitudes Towards Statistical Software Usage: A Structural Equation Modeling	Zeliha Kaygısız Ertuğ, Nuray Girginer Veysel Yılmaz	1161
12	Elementary School Teachers' Views of Measurement and Evaluation Practices and Their Efficacy in Application	Gulsen Tasdelen Teker, Nese Guler, Gulden Kaya Uyanik Suleyman Demir	1169

13	Determination Variables Which Define Turkish Students' Pisa 2009 Reading Literacy with Chaid Analysis	Asiye Şengül Avşar Ezel Tavşancıl	1179
14	Development of A Scale for the Measurement of Autonomous Learning	Aysel Deregözü	1187
15	The Adaptation of School Refusal Assessment Scale into Turkish: Reliability and Validity Studies	İsmail SEÇER	1197
16	Changes in Students' Social Interactions Between the Period Prior to and the Period of Preparation for the University Entrance Exam	Hatice Kumandas, Omer Kutlu Ozen Yildirim	1203
17	The Examination of Teacher and Student Effectiveness at TIMSS 2011 Science and Math Scores Using Multi Level Models	Ozen Yildirim Safiye Bilican Demir	1211
18	Application of PCA-LVQ Neural Network Model in Lithology Identification by Logging Data in Panzhuang Area	Hu Hong, Zeng Hengying, Liang Haibo Tang Yongqiang	1219
19	A Quantitative Study of School Administrators' Work-Life Balance and Job Satisfaction in Public Schools	Turgut Karakose, Ibrahim Kocabas Hayrullah Yesilyurt	1231
20	The Empirical Study of Organizational Justice and Job Satisfaction for High School Teachers in Turkey	Turgut Karakose	1243
21	Research on Drilling Kick and Loss Monitoring Method Based on Bayesian Classification	Haibo Liang, Tang Yongqiang, Li Xiang Luo Yangyang	1251
22	Short Form of "Mathematics Attitude Scale": Its Psychometric Properties	Metin YAŞAR	1267
23	The Influence of Figured and Non-Figured Questions on Secondary Students' Success at Science Exams	Muharrem Duran Nuri Balta	1279
24	Effects of Human Resource Flexibility Strategy on Work Attitude towards Micro-enterprises in Taiwan	Shien-Ping Huang	1289
25	Core Self-Evaluation and Job Performance: The Role of Anticipated Guilt and Gratitude	Faisal Qadeer Sadia Arshad	1301
26	The Effects of Science Writing Heuristic on Pre-Service Teachers' Achievement and Science Process Skills in General Physics Laboratory Course	Dilek Erduran Avci	1321
27	Molecular Nitrogen Genesis in Natural Gases and Relationship with Gas Accumulation History in Tarim Basin	Jungang Lu, Xiaobo He, Shijia Chen, Li Wang, Huanxu Zhang, Pan Zhan, Xianli Zou, Shiying Zhou Anran Zhou	1337

28	Biological Markers Application in Stratigraphic Division and Correlation – Take Lower Paleozoic Strata in Tarim Basin as Example	Jungang Lu, Pan Zhan, Shijia Chen, Li Wang, Huanxu Zhang, Xiaobo He, Xianli Zou, Xiaowen Zhang Xiaotian Li	1347
29	The Damage Evaluating Techniques of the Tight Sandstone Gas Reservoirs	Zhao Feng, Shen Hua, Tang Hong-ming, Ou Yang-tian Wang Dong-ming	1355
30	A Qualitative Study of the Novice Principals' Problems in the School Management Process and Solutions	Turgut Karakose, Ramazan Yirci Ibrahim Kocabas	1365
31	Determining the Awareness of Electromagnetic Pollution of the Students of Faculty of Education	Halil KUNT, Mesut YILMAZER, Kemal YILDIRIM, Remzi MUTLU Tevfik AKGÜN	1379
32	Determining the In-Service Training Needs of Guidance Teachers	Coşkun Küçüktepe	1389
33	Developing Statistical Structure of a New “Success-Prone Athletes” Personality Index (SAPI)	Binish Khan Alia Ahmed	1405
34	A New Machine Translation Evaluation Metric Utilizing the Holder Mean	Rabha W. Ibrahim, Arwa Hatem Nazlia Omar	1421
35	Dynamic Game Analysis on the Manufacturing's Coupling Development with the Producer Services under Governmental Intervention in China	Bingqiang Li	1435
36	Seasonal Forcing and Sensitivity analysis of Knowlesi Malaria Model Transmission Dynamics	Mohammed Baba Abdullahi, Yahya Abu Hasan Farah Aini Abdullah	1447
37	The Relationship between Organizational Redundancy, Philanthropy, and Enterprise Performance: A Study of Data from Shanghai, Hangzhou, and Suzhou	Xueying Tian	1465
38	Features for the Reconstruction of Cross Cut Shredded Chinese Text Documents	Wang Lei	1487
39	A Novel Method for Impossible Differential Cryptanalysis of 9-Round AES-256	HU Zhihua QIN Zhongping	1495
40	Analysis Framework based on Conflicts between Scale Expansion and Transaction Cost: A New Trend in China's Economic Regionalization Theory Evolution	Xilong Deng Juan Chen	1509
41	Feature Extraction using A Fusion Method based on Multi-Directional Two-Dimensional LDA	Xiaoqing Dong Hongcai Chen	1521
42	The Study of Uncertain Interval Nonlinear Optimization based on Genetic Algorithm	Yang Zhao Defu Cheng	1541

43	A Finite Element Modeling: Performance Optimization in Elite Trampoline	Jing-Guang Qian Qiang Ye, Chao Lv, Guang-kai Li, Yi-Ling Mao Zhao-Xia Li	1555
44	Damage Mechanical Behavior of Steel Strand Suspender after Asymmetric Wire Break	YANG Zhuan-yun	1567
45	Research on Service Module Division of Product Service System Oriented on CNC Machine Tools	Zhongqi Sheng, Xiaoqiang Ma Like Wu	1579
46	A Maximizing Aggregate Deviation Method of Multiple Attribute Decision Making	Zhang Jingyi, Zhang Zhenji Muhammad Aqeel Ashraf	1599