CONTENTS

Contents of Volumes 2 and 3	13
Preface	XII
Introduction to Volume 1	XVII
1. INAUGURAL ADDRESS	
1.1 Concept and Conduct of Calgary Course and Conference: Some ThoughtsG. P. Patil	1
2. POWER SERIES AND RELATED FAMILIES	
2.1 Some Recent Advances With Power Series Distri- butionsS. W. Joshi	9
2.2 Multiparameter Stirling and C-Type Distributions T. Cacoullos	
2.3 Models for Gaussian Hypergeometric Distributions Adrienne W. Kemp and C. D. Kemp	
2.4 On the Probabilistic Structure and Properties of Discrete Lagrangian DistributionsP. C. Consul	
and L. R. Shenton 2.5 Estimation of Parameters on Some Extensions of the Katz Family of Discrete Distributions Involving Hypergeometric Functions	41
John Gurland and Ram Tripathi 2.6 A Characteristic Property of Certain Generalized Power Series DistributionsG. P. Patil and V. Seshadri	59 83
A. Desugati	63

3. RECENT TRENDS IN UNIVARIATE MODELS

	3.1	Stable Distributions: Probability, Inference, and Applications in FinanceA Survey, and a	
		Review of Recent ResultsS. J. Press	87
	3.2	Structural Properties and Statistics of Finite MixturesJavad Behboodian	103
	3.3	Distribution Theory for the von Mises-Fisher	103
	3.4	Distribution and Its ApplicationK. V. Mardia Certain Statistical Distributions Involving Special Functions and Their Applications Frank McNolty, J. Richard Huynen and	113
		Eldon Hansen	131
	3.5	Tailweight, Statistical Inference and Families of Distributions - A Brief Survey	
	3.6	Thomas P. Hettmansperger and Michael A. Keenan The Families With a "Universal" Location EstimatorA. L. Rukhin	161 173
		ESTIMATOR. A. B. RUKHTH	1/2
•	MOMEN'	TS-RELATED PROBLEMS	
	4.1	Approximation Theory, Moment Problems and Distribution FunctionsM. S. Ramanujan	185
	4.2	Kurtosis and Departure From Normality C. C. Heyde	193
	4.3	Convergence of Sequences of Transformations of Distribution Functions and Some Moment Problems W. L. Harkness	203
		Promotory No. Programs	
•	LIMIT	DISTRIBUTIONS AND PROCESSES	
	5.1	Weak Convergence for Exponential and Monotone Likelihood Ratio Families and the Convergence of Confidence LimitsBernard Harris and	
		Andrew P. Soms	213
	5.2	On Efficiency and Exponential Families in Stochastic Process EstimationC. C. Heyde	
		and P. D. Feigin	227
	5.3	A Lagrangian Gamma DistributionD. L. Nelson and P. C. Consul	241
•	MULTIV	VARIATE CONCEPTS AND MODELS	
	6.1	Samuel Kotz	247
	6.2	Dependence Concepts and Probability Inequalities Kumar Jogdeo	271
	6.3	New Families of Multivariate Distributions	
		T T Double	2 2 1

TABLE OF CON	TENTS	VI
6.4	Asymptotic Expansions for the Nonnull Distri- butions of the Multivariate Test Statistics Minoru Siotani	29
7. CERTA	AIN MULTIVARIATE DISTRIBUTIONS	
7.1	A Multivariate Gamma Type Distribution Whose Marginal Laws Are Gamma, and Which Has a Property Similar to a Characteristic Property of the Normal CaseA. Dussauchoy and	0.17
7.2	R. Berland The Bivariate Burr Distribution	319
	Frederick C. Durling	329
7.3 7.4	Multivariate Beta DistributionR. P. Gupta Distribution of a Quadratic Form in Normal Vectors (Multivariate Non-Central Case)	337
7 5	C. G. Khatri Bivariate and Multivariate Extreme Distributions	345
7.5	J. Tiago de Oliveira	355
8. SAMPL	ING DISTRIBUTIONS AND TRANSFORMATIONS	
8.1	On the Distribution of the Minimum and of the Maximum of a Random Number of I.I.D. Random VariablesMoshe Shaked	36.3
8.2	Transformation of the Pearson System With Special Reference to Type IVK. O. Bowman	303
	and W. E. Dusenberry	381
8.3	Distributions of Characteristic Roots of Random	
8.4	MatricesV. B. Waikar On the Arithmetic Means and Variances of Products and Ratios of Random Variables	391
8.5	Fred Frishman Exact and Approximate Sampling Distribution	401
	of the F-Statistic Under the Randomization ProcedureJunjiro Ogawa	407
		407
SUBJECT IN	NDEX	419