

Contents

	Page
At Publishing the Memorial Issue for the 40th Anniversary of the Foundation of the Institute of Statistical Mathematics	
.....	CHIKIO HAYASHI i
1. An Optimal Level of Significance of the Preliminary Test Estimator for the Scale Parameter of Two-parameter Exponential Distribution	KATUOMI HIRANO 1
2. Graphical Representation of Ranks and Its Application YASUMASA BABA, KAZUMASA WAKIMOTO, KIKUO ENDO, TAKESHI KANEKO, TSUYOSHI IIDA and TOSHIO NONAKA 15	
3. The Common Standardized Difference in the Analysis of Multiple 2×2 Tables Eiji YAMAMOTO and TAKEMI YANAGIMOTO 25	
Tutorial reviews	
1. Comparison between Estimators of Parameters of the Proportional Hazard Model ..TOSHINARI KAMAKURA and TAKEMI YANAGIMOTO 35	
2. On Spectral Analysis of Non-stationary Process YOSHIYASU-HAMADA TAMURA 45	
3. A Molecular Clock of Mitochondrial DNA: The Origin and the Evolution of Man MASAMI HASEGAWA, HIROHISA KISHINO and TAKA-AKI YANO 59	
4. Tidal Data Analysis —An Introduction to BAYTAP— MAKIO ISHIGURO, TADAHIRO SATO, YOSHIAKI TAMURA and MASATSUGU OOE 71	
Activities of the Institute of Statistical Mathematics	
Abstracts of Research Works in 1983	87