# NIGERIAN STATISTICAL ASSOCIATION

# 2009 CONFERENCE PROCEEDINGS

## THEME

***STATISTICS AND IMPLEMENTATION OF THE SEVEN POINT AGENDA OF THE FEDERAL GOVERNMENT***

**VENUE:** CITY KING HOTEL AND TOWERS, GUSAU, ZAMFARA STATE

**DATE:** 12TH - 14TH AUGUST, 2010

Pp 1-4

Pp 5-7

# TABLE OF CONTENTS


1. NSA Governing Council Member 2009 ii

2. Preface iii

3. Table of Contents iv

4. Conference Communique v

5. Presidential Address at general Assembly vi

6. Performing ANOVA Through Linear Programme Model: AN Application in Intercropping Experiment By RA SHEED A ADEYEMI 1

7. Additive main effects and Multiplicative Interactions Across Locations under the Influence of Rice Yellow MOTTLE SOBEMOVIRUS by [1] **Rasheed A. Adeyemi et al** 5

8 ANALYSIS OF TRENDS AND PROJECTIONS OF THE EMERGENCE, IMPACT AND THE EPIDEMIOLOGY OF HIV/AIDS IN NIGERIA. By **ONOJO MATTHEW AKPA and BENJAMIN AGBOOLA OYEJOLA (Ph. D)** 7

9. On Adjacency Matrix and Connectedness of Three Optimal (4x4)/4 Semi-Latin Square Designs by **P. E. Chigbu and A. Ekpo** 2 22

10. Primary Education Statistics in Federal Capital Territory (FCT), Abuja: An Empirical Investigation by Bada, A. S. 43

11. Ward's Clustering Algorithm for Detecting Higher and Lower Area of Crime Concentrations S. U. Gulumbe et al 50



*1. RA. Adeyemi is lecturer and Biometrician in the School Agric and Agric Technology, FUT. Minna*

12. The Relevance of Statistics in Providing Sustainable Energy Development in Nigeria by **Mr. Abdulkareem Ozi Aliyu** 60

13. Efficient Sample Survey Design for Crop Yield Estimation Survey in Nigeria by **Fabian C. Okafor** 77

14. Application of Multidimensional Scaling (MDS) on Diagonal Distance between Selected Major Cities in Nigeria, By **Jubril, Hussein Danesi** 81

15. Maximum Likelihood Estimation of Weibull Probability Distribution Parameter. (2-Parameter) By **Jubril, Hessein Danesi** 91

16. Education, Poverty the 7-Point Agenda in Nigeria By **Linus I. Onyishi** 101

17. Analysis of Unreplicated Fractional Factorial Designs By **Alabi, M. A. & SAKA, A. J.** 106

18. Performance Evaluation of Statistics Based and Non Statistics Based Students on some Statistics Courses-A Multivariate Approach. **By MBA Emmanuel Ikechukwu** 110

19. Arima Model Forecasting of Monthly Mean Air Temperatures By **A. B. Aiyelabegan** 127

20. Vendor-Managed-Inventory By **Chukwu W. I. E. and Encho L. T.** 136

21. Statistics for Wealth Creation in Broadcasting Industry By **Aneke Stan O.** 144

22. Modeling Exchange rate in Nigeria in the Presence of Financial and Political Instability: An Intervention Analysis Approach By **Shittu O. Ismail** 148

23. On the Efficiency of Estimation Techniques for Differencing Parameter 154