



**Pakistan-US Science and Technology Cooperation Program**  
**Biostatistical Consulting Center**  
**Workshop on Experimental Data Analysis using SAS**  
 July 18-23, 2011, University of Veterinary and Animal Sciences Lahore  
 Nestle Center

| Date        | Time            | Session                       | Speaker   |
|-------------|-----------------|-------------------------------|---|
| Mon July 18 | 11:00 to 01: 00 | Introduction<br>Biostatistics | Dr. H. Anwar Ahmad<br>Associate Professor<br>Jackson State University |
|             | 01:00 to 01:30  | <b>Break</b>                  |   |
|             | 01:30 to 04:00  | Inferential Statistics        | Dr. Ahmad   |

| Date           | Time                 | Session  | Speaker   |
|----------------|----------------------|--|-----------|
| Tue July 19    | 09:00 to 11:00       | Probability and Hypothesis Testing                     | Dr. Ahmad |
|                | 11:00 to 11:30       | <b>Break</b>   |           |
|                | 11:30 to 01:30       | Experimental Design and Data<br>Analysis Methodologies | Dr. Ahmad |
|                | 01:30 to 02:00       | <b>LUNCH</b>   |           |
| 02:30 to 04:00 | Analysis of Variance |  |           |

| Date        | Time           | Session                 | Speaker                |
|-------------|----------------|-------------------------|------------------------|
| Wed July 20 | 09:00 to 11:00 | Introduction to SAS     | Dr. Ahmad              |
|             | 11:00 to 11:30 | <b>Break</b>            |                        |
|             | 11:30 to 01:30 | ANOVA using SAS         | Dr. Ahmad and M. Bilal |
|             | 01:30 to 02:00 | <b>LUNCH</b>            |                        |
|             | 02:00 to 04:00 | ANOVA using SAS cont... |                        |

| Date        | Time           | Session                                  | Speaker   |
|-------------|----------------|--|---|
| Thu July 21 | 09:00 to 11:00 | Animal Breeding Trials and Data Analyses | Dr. Muhammad Sajjad Khan<br>Chair, Dept. ABG<br>University of Ag. Faisalabad  |
|             | 11:00 to 11:30 | <b>Break</b>                             |   |
|             | 11:30 to 01:30 | Nutritional Trails and Data Analyses     | Dr. Shaukat Ali Bhatti, Institute<br>of Animal Nutrition & Feed<br>Technology, University of<br>Agriculture, Faisalabad |

| Date        | Time           | Session   | Speaker   |
|-------------|----------------|---|---|
| Fri July 22 | 09:00 to 11:00 | Pakistan Energy Crisis. Modeling Approaches to Forecast Energy Demand | Mr. Asim Majid Khan<br>Chief Instructor, National<br>Institute of Management Lahore |
|             | 11:00 to 11:30 | <b>Break</b>  |   |
|             | 11:30 to 01:30 | Participants' Project and Proposed Data Analysis; Presentation        | Dr. Ahmad, coordinator  |

| Date        | Time           | Session  | Speaker                |
|-------------|----------------|--|------------------------|
| Sat July 23 | 09:00 to 11:00 | Participant's Project Discussions, Overview, Evaluation<br><br><b>Closing Ceremony</b> | Dr. Ahmad, coordinator |