Course Coordinating Team

Course Director : **Dr. R.S.Parmar**
Course Coordinator : **Mr. D.K.Parmar**
Course Associate : **Mr. U.S.Rathod**

About the AAU

Anand Agricultural University, a premiere Institute in the field of agriculture in Gujarat has been providing support to the farming community for more than sixty years. It is a prestigious institute of higher learning producing meritorious students with excellent career growth and universal recognition. The students get the best of opportunities in the form of highly advanced courses, eminent faculty members, well-equipped laboratories, library, hostels and other facilities to excel in research and development.

Last Date for Receiving Nominations

The filled in application form should reach us latest by February 20, 2016.

Venue

College of Agricultural Information Technology, AAU – Anand.

Further Correspondence to be addressed to:

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About the College

College of Agricultural Information Technology was established in the year 2009 under the aegis of Anand Agricultural University. The CAIT offers 4 year*s* B.Tech. (AIT) and 2 year*s* M.Tech. (AIT) programs. The postgraduate master degree program is not offered anywhere else in India. The college aims to cater to the upcoming demands of the Agrarian Economy by generation of a young workforce skilled with knowhow of future ready Information and Communication Technology and imparting the same in Agricultural sector. The College building is surrounded by lush green natural environment with enough resources such as well-ventilated lecture halls with audio visual facility, computer labs, scientific equipments, Wi-Fi Internet access, library, NCC/NSS, sports, project and placement cell etc. The curriculum of B.Tech.(AIT) is a blend of Agricultural Science and Information and Communication Technology (ICT) to harvest the potential of both the sectors and we are looking forward to introduce innovative practices of automation and information by means of ICT in the sparsely charted agriculture and allied sectors to bridge the gap between the skills of the technocrat and the farmer.

College of Agricultural Information Technology AAU – Anand.

Training Programme
on
Data Analysis Using
SAS, MATLAB and SPSS

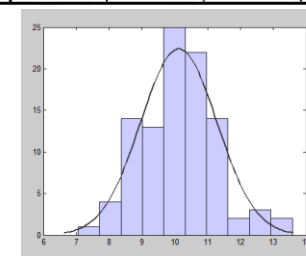### March 1-5, 2016


```
00001 * Read data, set missing values for persinc *;
00002   data income;
00003     input gender race persinc;
00004     if persinc = 99 then persinc=.;
00005     datalines;
00006   1 1 20
00007   1 1 99
00008   1 1 13
00009   2 1 1
00010   1 1 10
00011   2 2 5
00012   2 1 12
00013   1 1 7
00014   1 1 99
00015   2 2 2
00016   ;
00017   run;
00018
00019 * Produce descriptive statistics *;
00020   proc means data=income; run;
00021
```

ANOVA

DVWORDS

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	10.533	2	5.267	4.938	.027
Within Groups	12.800	12	1.067		
Total	23.333	14			

College of Agricultural Information Technology
Anand Agricultural University
ANAND – 388 110 , GUJARAT (NDIA)
http://aau.in

About the Training

The Information and Communication Technology (ICT) in this era of globalization has accentuated new modes of knowledge transformation and communication patterns. ICT has opened up uncommon opportunities for developing countries in terms of providing low cost access to information. This is the fastest growing tool of communication. ICT is transforming institutions, learning processes and creating innervates systems. Nowadays ICT has become a powerful tool to carry out empirical investigation, collection of qualitative and quantitative data for further analysis. Eliciting reliable data facilitates planning process to be more systematic. Whereas, monitoring and evaluation exercises throw better insights into the functioning of the schemes/ programmes at every stage. In this context, use of statistical packages (SAS, MATLAB and SPSS) will aid the end-user to infer the results in a simple and orderly manner to make quick decisions. List of the Content to be covered under the training programme is as follows

➢ Information and Communication Technology for data mining and analysis
➢ Data capture and managing techniques
➢ Concepts related to monitoring and evaluation
➢ Application of robust statistics using statistical packages to process raw data and summarise them
➢ Graphical presentation of results

Objectives

➢ To introduce the steps of data analysis
➢ To prepare the coding plan and create data
➢ To describe the nature of variables
➢ To describe the application of the statistical tools of SAS, MATLAB and SPS in data analysis

Participants Level

➢ Assistant Professor / Associate Professor / Professor
➢ Agricultural Officer/Veterinary Officer / RA/SRA/JRA

Contents

➢ Introduction to data analysis
➢ Basic features of SAS , MATLAB and SPSS
➢ Preparation of SAS , MATLAB and SPSS Data set, Measurement scale of variables
➢ Data management
➢ Data analysis
➢ Correlation and regression analysis
➢ Association Rule Mining in Weka
➢ Image Processing with MATLAB
➢ Modification of outputs and exporting to different formats
➢ Development of simple web site using Dream viewer for Agriculture

Number of Participants

A total 20 participants will be selected from the nomination received up to the last date.

Methodology

Lecture, discussion, demonstration & hands-on training, training-end examination.

Training Outcome

The course will be helpful in capacity building of the Faculty, Scientists, Research Associate and Research Scholars of the university and other personnel to design the data analysis plan for surveys and evaluation studies using SAS , MATLAB and SPSS.

Registration Form

Training Programme on
Data Analysis Using SAS, MATLAB and SPSS
March 1-5, 2016

1. Full Name : (in Block letters)

   ………………………………………………..

2. Designation : …………………………………………

3. Address   : …………………………………………

   ………………………………………………………

   ………………………………………………………

4. Phone   : …………………………………………

5. Email   : …………………………………………

6. Sex   : Male/Female

7. Date of Birth : ………………………………………..

8. Research experience :…………………………………

9. Academic record :…………………………….

10. How this training will be useful to the

    candidate/institution :

    ………………………………………………..

    ………………………………………………..

    ………………………………………………..

Date :   **Signature of applicant**

Certified that the information is correct as per the office records.

                                    Recommendation

                          Signature of Sponsoring
                          Authority with office seal