



Aurora's Degree & PG College
(Accredited by NAAC with "B++" Grade)

EVENT PROPOSAL

Event Name: Department event

Event Title: Two Day Work shop on Statistical Tools Using SPSS

Cell Convener: K.Sujatha

Faculty coordinator: H.K.Madhu sudhana Rao

Date & Venue: 17th&18th December 2019, Aurora's Degree & Pg College .

Target audience: Faculty

Level: College Level

Budget: Nil

Student volunteer's: Nil

Objective: The **objective** of the event is to learn basic data analysis with **SPSS** in **Research**.

Outcome: The data from any survey collected via Survey Gizmo can be exported to SPSS for detailed analysis. Exporting survey data to SPSS's proprietary .SAV format makes the process of pulling, manipulating, and analysing data clean and easy. By doing so, SPSS will automatically set up and import designated variable names, variable types, titles, and value labels, meaning that minimal legwork is required from researchers.

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NAME OF THE EVENT :	Two Day Workshop on Statistical Tools Using SPSS
FACULTY INCHARGE	H.K.Madhu sudhana Rao
DEPARTMENT	Department of Statistics
DATE	17 th &18 th December 2019
VENUE	Aurora's Degree & PG College
TARGET AUDIENCE	faculty
SPEAKER	PROF. M .Raghunadha Acharya& smt K. Parimala sudhir

Objective:

To inspire faculty in learning basic data analysis with **SPSS** in **Research**.

Brief about the event:

The program was organised under R&D cell of Aurora Degree and P.G. College on 17th and 18th December 2019. DR. Viswanatham BULUSU, the principal started the program by lighting the lamp followed by the prayer. Later he addressed the gatherings by explaining the importance of SPSS (Statistical packages for social sciences) in research area.

The HOD of Statistics Smt. Parimala Diana Sudheer, the resource person for the day, began her session by lecturing on descriptive and inferential Statistics. Starting from the basics of the topic, she went on to explain the different aspects using various citations which gave in-depth notion of descriptive Statistics and its applications.

On the Second Day DR. M. Raghunath Acharya, Prof. Dept of Statistics, started the workshop. He spoke about the SPSS packages giving a live demonstration of the software to the gathering. He explained how to create a data set, how to the fit data using the SPSS. He also extended his lecture by talking about multiple regression models using SPSS with realistic examples. The Faculty were pleased by his talk and interaction while clearing the doubts.

OUTCOME:

The Faculty are inspired and learned about the SPSS tools by this work shop. The data from any survey collected via Survey Gizmo can be exported to SPSS for detailed analysis. Exporting survey data to SPSS's proprietary .SAV format makes the process of pulling, manipulating, and analysing data clean and easy. By doing so, SPSS will automatically set up and import designated variable names, variable types, titles, and value labels, meaning that minimal legwork is required from researchers.

Photographs



Detail Report on Statistical Tools Using SPSS

The program was organized under the R & D cell of Aurora Degree and P.G. College on 17th and 18th December 2019. DR. Viswanatham BULUSU, the principal started the program by lighting the lamp followed by the prayer. Later he addressed the gatherings by explaining the importance of SPSS (Statistical packages for social sciences) in the research area. He let the gathering know that the management has permitted the purchase of the SPSS software for the benefit of the faculty and the students.

Next Up, it was the IQAC Coordinator Dept. of ENGLISH DR. Mythri Shinde. She gave valuable information regarding the research in the domain of Ethics. The R&D Cell Convener DR. Radhika also addressed the gathering.

Following her, The HOD of Statistics Smt. Parimala Diana Sudheer, the resource person for the day, began her session by lecturing on descriptive and inferential Statistics. Starting from the basics of the topic, she went on to explain the different aspects using various citations which gave an in-depth notion of descriptive Statistics and its applications.

In her second Session She explained the concept of correlation and regression by citing the examples. Meanwhile she also explained how the data is analyzed by fitting the suitable regression models, by observing the relation between two variables further she extended it to multiple variables Called "Multiple regression Model".

In the last session she spoke about statistical inference i.e., hypothesis and its testing. Later she explained the need to minimize the errors on any tasks which consists of TYPE1 and TYPE2 errors with real-life examples and she stated that "TYPE2 error is more dangerous than TYPE1 error". She has not left any scope without explaining the concepts on "types of tests" which in this modern era is more useful in research work. The gathering appreciated the talk. In addition to that, she interacted with the faculty and cleared their doubts. The faculty were given practice questions in understanding the above spoken concepts. The Faculties responded really well to the questions given. All in All, it was a great lecture by our respected HOD.

On the Second Day DR. M. Raghunath Acharya, Prof. Dept of Statistics, started the workshop. He spoke about the SPSS packages giving a live demonstration of the software to the gathering. He explained how to create a data set, how to fit data using the SPSS. He also extended his lecture by talking about multiple regression models using SPSS with realistic examples. The Faculty were pleased by his talk and interaction while clearing the doubts.

The Dept took the feedback about the workshop from the gathering. Most of them appreciated and congratulated us for conducting this workshop. Some of them requested us to make this a week-long session in the future.

Finally the event ended with a vote of thanks. In whole it was memorable, informative and educational for the benefit of the faculty of research scholars. With the authenticity it can be said that the faculty were satisfied in conducting such workshops by dept. of stats

We are very grateful to our Principal DR Viswanatham Bulusu in extending his co-operation and support in conducting the workshop.

List of Participants

Name	Designation	Email address
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Event coordinator

(H.K.Madhu sudhana Rao)

