JAMIA HAMDARD
(DEEMED TO BE UNIVERSITY) ACCREDITED BY NAAC IN 'A' GRADE

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Faculty Development Programme (FDP) *on*

Research Methods and Data Mining Tools for Decision Making

22ⁿᵈ– 27ᵗʰ April, 2019

Department of Management
School of Management & Business Studies
Jamia Hamdard
(Deemed to be University)
Mehrauli - Badarpur Road, Near Batra Hospital,
Hamdard Nagar, New Delhi-110062

About Jamia Hamdard

Jamia Hamdard was inaugurated by Late Shri Rajiv Gandhi on August 01, 1989. Over a period of last ten years, Jamia Hamdard has emerged as an outstanding institution of higher learning with distinct and focused academic programmes. The University offers graduate programme in Information Technology, computer applications, Business Management, Physiotherapy and Occupational Therapy and postgraduate and doctoral programmes in several disciplines for which advanced facilities are available. The **School of Management and Business Studies** (established in 1998) has acquired prominence in contemporary Management education and Research and attracts talents from all over the country and also from other countries to pursue education and training in the management and Information Technology. The School of Management and Business Studies offers management at graduate, postgraduate and doctoral levels with the following aims:

- To train them as managers and executives, to serve public and private sector organizations
- To fulfil national manpower requirements in the field of Business management.
- To provide consultancy services to government, non-governmental organizations and corporate bodies in applications of management and information technology for solving complex problems.
- To equip them with intricacies of setting up their own business as entrepreneurs.
- The School has attracted students not only from all over India but also from foreign countries like UAE, Kuwait, IRAN, Bangladesh, Indonesia, Syria and Kyrgystan.

About QTanalytics™

QTanalytics™ is a statistical consulting, training and education provider with a bright and experienced team of professionals, who consistently strive to achieve a common goal of service excellence. At QTanalytics we pride ourselves for providing innovative solutions to support our clients' looking for statistical support in their research. Our team have been helping the clients (India & Overseas) in finding statistical data solutions, both general as well as specialist research services for data processing, reporting & advance analytics with the application of **suitable econometric models.**

QTanalytics caters to the need of institutions, students and professionals industries for training in Quantitative analysis with computer software skills on topics such as **Advanced Excel**, **Dissertation Essentials: From designing research proposal to setting hypothesis and data analysis and modeling with appropriate procedure on R, SPSS, AMOS, STATA, EVIEWS and SAS software.**

Objectives of the Programme

Research is nothing but search for knowledge or any systematic investigation to establish facts on a related subject. It is about searching systematically for solutions to problems. For this statistical device is required. Statistical device not only provides a way of summarizing the data into quicker and manageable information but also helps the researcher to make decisions about whether relationships between two or more variables are real ones. To address challenges and opportunities in the field of research new software products SPSS & EVIEWS has enabled academicians and researchers to obtain valuable information from the data. Basic knowledge on software is vital for all

users before they proceed to survey and data analysis.

This Faculty Development Program (FDP) is aimed at honing the teaching and research skills of faculty, researchers and trainers. It will inculcate confidence in the usage of data analysis tools. Training on Statistical Packages SPSS would greatly enhance research and publication skills of the faculty, Research Scholars and others.

Major Topics

The Scope of workshop is to cover theoretical discussion on Research methods and practical exposure on the following aspects of data analysis using R.

❖ Types of Research, Sampling and Research Design
❖ Construction of Questionnaire, Scaling techniques
❖ Introduction to SPSS: Defining variables, cases, handling missing
❖ Basic operation of SPSS; Descriptive Analysis, plotting charts
❖ SPSS: Correlation & Regression-I & II, Testing of Hypothesis-I & II
❖ Analysis of Variance, one way, two way classification and factor analysis
❖ Time Series analysis, estimating equations and Interpretations using EVIEWS

For Whom

❖ Faculty Members, Academicians and Research Scholars in their respective fields.
❖ Professionals and Executives from the Industry engaged in data analytics and applications.

Resource Persons

The resource persons are prominent statisticians / scientists / professors / researchers / scholars in the field of statistics and data science. They have an extensive experience with the application of statistical analysis in a research evaluation.

Key Information

❖ *Venue*: **Smart Classroom Cluster, Central Library Building, Jamia Hamdard,** Mehrauli - Badarpur Road, Near Batra Hospital, Hamdard Nagar, New Delhi-110062

❖ *Duration*: **One Week (22-27th April, 2019),** One week workshop includes all hands on practical sessions, case studies, discussion forum and group presentations.

❖ *Registration*- Programme Registration fees **Rs. 4200/-** which includes workshop kit, professional fees, tea and lunch. Please Click to fill registration details: Click here

   Note: Only limited seats are available, therefore registration shall be made on "first come, first serve" basis. *Please note that no refund of fees shall be made later on.*

❖ *Payment Mode*- Registration fees can be paid through Demand Draft only in favor of "**Registrar, Jamia Hamdard**" to be sent along with duly filled in registration form to **The HOD, Department of Management, School of Management & Business Studies (Ist Floor, Archives Building), Near Gate No. 6, Jamia Hamdard, New Delhi-110062.**

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STAT CRAFT
Analysis with R

EViews 8

Faculty Development Program (FDP)

On

Research Methods and Data Mining Tools for Decision Making

April 22-27, 2019

Program Schedule

Time	9:30 – 1:00 PM Pre-lunch Sessions				1:45 – 5:00 PM Post-lunch Sessions	
Day & Date	9:30 – 11:00 AM		11:30 – 01:00 PM		1:45 – 3:15 PM	3:30 – 5:00 PM
Monday 22.04.2019	Inaugural (10:00-10:30AM) Introduction to Research (11 -12 PM) Tea Break (10:30-11:00AM) Research Design (12:00-01:00 PM)			*Lunch Break*	Data collection and sampling techniques	How to Write Research Proposals
Tuesday 23.04.2019	Introduction to **SPSS**: Defining variables, cases, handling missing	*Tea Break*	Basic operation of **SPSS**; Descriptive Analysis;		**SPSS**: Plotting charts	**SPSS**: Practice Session
Wednesday 24.04.2019	**SPSS**: Correlation & Regression-I		**SPSS**: Correlation & Regression-II		**STATCRAFT**: Introduction, Basic Operations	**STATCRAFT**: Regression Analysis
Thursday 25.04.2019	**SPSS**: Testing of Hypothesis		**SPSS**: Analysis of Variance, one way, two way classification		**SPSS**: Factor & Cluster Analysis, Decision Tree	**SPSS**: Practice Session
Friday 26.04.2019	Introduction to Time Series Analysis		Time Series Analysis using **EVIEWS**		**EVIEWS**: Case Analysis	**EVIEWS**: Practice Session
Saturday 27.04.2019	Group presentations by participants		Group presentations by participants		Group presentations by participants	Valedictory Function

(Program Convener)

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REGISTRATION FORM

FACULTY DEVELOPMENT PROGRAM

ON
"RESEARCH METHODS AND DATA MINING TOOLS FOR DECISION MAKING"

April 22-27, 2019

1. **NAME** : _____

2. DESIGNATION : _____

3. INSTITUTION : _____

4. ADDRESS : _____

5. PHONE NO. : _____

6. EMAIL : _____

7. DD DETAILS : _____

   (IN FAVOUR OF "Registrar, Jamia Hamdard" payable at Delhi)

Venue:

Smart Classroom Cluster, Central Library Building
Jamia Hamdard,
Mehrauli - Badarpur Road, Near Batra Hospital,
Hamdard Nagar, New Delhi-110062
Email id: hod_mgmt@jamiahamdard.ac.in

Program Convener

For Further Information Please Contact

Patron
Prof(Dr.) Ravichandran, Dean, School of Management and Business Studies, Jamia Hamdard

Programme Convener	**Organizing Secretary**	**Organizing Secretary**
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Program Coordinators: Mr. Mansoor Ahmad, Ms. Yuvika Sumbly, Ms. Kanishka Sethi, Ms. Ritika Saini, Ms. Priyanka, Mohd. Shafeeq