



ON
**STATISTICAL APPLICATION AND
INTERPRETATION IN SOCIAL
SCIENCE RESEARCH**

APRIL 18-24, 2020

Organized By



**INSTITUTE OF PROFESSIONAL STUDIES
&
DEPARTMENT OF MANAGEMENT OF IPS-CTM**

In the current scenario, data has become the most important buzzword. “Data” is the smallest possible unit on to which the wisdom of business decision making and social prosperity can be written and modified. Methodology and Modeling are the two important supports available for a feasible and relevant decision making. Therefore, knowledge of appropriate methodology will certainly provide an edge towards finding appropriate answers of day to day complex business decisions.

The program aims at empowering an understanding on theoretical as well as practical knowledge of research methodology for decision making and research purposes.

OBJECTIVES AND AIMS

This workshop aims to develop conceptual understanding of the various statistical tests of hypotheses employed by the researchers in social science disciplines. The forum of this workshop will hopefully facilitate the researchers in gaining proficiency in the skill of using software application like SPSS for exploring the nature of the data, testing underlying assumptions, running the various tests of hypotheses and writing proper interpretation. These objectives are to be achieved through presentations, experiential learning, problem solving and independent laboratory work. The program is designed to empower the participants in matters of application of suitable Statistical tests and their Interpretation.

FOR WHOM

Participant/Professional Beneficiaries: Members of Academic Fraternity, Research Scholars, Corporate Professionals and students.

PEDAGOGY

A mix of pedagogical strategies like presentation, experiential learning, demonstration of different statistical tests, and independent laboratory work will be used in the workshop. Hands on experience will be given on SPSS. Participants will be provided with the suitable research example data sets for the purpose of carrying out statistical analysis and interpretation.

ABOUT INSTITUTE OF PROFESSIONAL STUDIES

Institute of Professional Studies (IPS), Gwalior (M.P.) is an organically growing Institution in Gwalior. It has sprawling 80 acres campus offering courses in the field of Engineering (CS, IT, EC, ME, EE & CIVIL), Pharmacy (D. Pharma, B. Pharma & M. Pharma.), Physical Education (B. P. Ed. & M. P. Ed.), Teacher Education (B. Ed. & M. Ed.), Business Administration and Commerce (BBA, B.Com), Computer Applications (BCA & B.Com in Comp. App.) Management Education (MBA in Marketing, Finance, HRM and IB) and Applied Science (B.Sc. in Maths and Comp. Science). The Institution is situated in the south west zone of Gwalior facing Shivpuri Link Road. Institute of Professional Studies is the dream mission of Deen Dayal Krishi Avam Gramin Prodyogiki Vikas Sansthan, Gwalior, founded in the year 2005 with a vision to convert the potential of today's youth into productive human resource of the society. The group believes in the philosophy of education of the whole person in spirit, mind and body and its collective contribution to the society.

HOW TO REACH IPS

Gwalior is connected by Air, Rail and Road. Transport facility will be made available in the morning of 18th April 2019 at Gwalior Railway Station. One may also avail three/four wheeler vehicles which are easily available.

NEARBY TOURIST ATTRACTIONS

Historical Gwalior Fort, Jai Vilas Palace (Scindia Museum), Sun Temple and Tansen Tomb. Taj Mahal, Agra (100 Km); Fatehpur Sikri, Agra (115 Km); Khajuraho (275 Km); Metawali and Padawali (40 Km).

For details, please visit the website of India Tourism (www.tourismindia.com) and Madhya Pradesh Tourism (www.mptourism.com). One day visit to nearby Tourism Attraction will be arranged on request and on payment.

CLIMATE OF THE CITY

During the month of April, the climate remains hot with temperature ranging between 35°C-42°C.

RESOURCE PERSONS

Prof. Umesh Holani Head and Chairman, School of Studies in Commerce, Jiwaji University, Gwalior, MP	Prof. S. K. Tyagi, ICSSR Senior Fellow Former Head and Dean School of Education, Devi Ahilya Vishwavidyalaya, Indore, MP	Mr. Mohit Garg Assistant Librarian Indira Gandhi National Tribal University (A Central University) Amarkantak, MP
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Prof. Umesh Holani: Prof. Umesh Holani is currently working as a Professor, Head & Chairman, faculty of Commerce, Jiwaji University, Gwalior, MP. Under his supervision 54 Ph.D. have been awarded. Professor Holani has published more than 250 papers in various journals. Prof. Holani's research interests lie broadly in the area of Accounting, Finance and Applied Economics.

He is a spiritual motivator for young faculty. He was President of Indian Accounting Association in 2011-12 & Secretary of Gwalior Branch of Indian Accounting Association. He chaired a number of technical sessions, delivered keynote speech in a large number of seminars and conferences.



Dr. S. K. Tyagi: Dr. S. K. Tyagi, has served as Dean, Faculty of Education, DAVV, Indore and Chairman, Board of Studies, DAVV, Indore. He is ICSSR Senior Fellow Member. Currently he is working as a Subject Expert Committee of UGC. He has published 65 research papers and 7 books. Under his supervision 16 Ph.D. have been awarded. He has conducted numerous research methodology workshops and has been the resource person for more than 120 workshops and seminars.



Mr. Mohit Garg: Mohit Garg is working as an Assistant Librarian in Indira Gandhi National Tribal University (A Central University), Amarkantak, (M.P.),. He is standing committee member of IFLA Indigenous Matter Section, Netherlands and member of other international and national associations. He has published 03 Research papers and 1 book entitled " Quantitative Research Methods in LIS Using R". His area of interest are Research Methodology, Information Retrieval, Data Science and Machine learning.

REGISTRATION FEE

1.	Student	₹ 1500/-
2.	Research Scholar	₹ 2000/-
3.	Faculty / Corporate Executive	₹ 3000/-

Registration fee is Non Residential and will cover Workshop Materials, Participation Certificates, Tea, and Lunch.

ACCOMMODATION

Hostel facility on twin sharing basis is available to outstation participants (Male and Female) on payment basis. Advance booking for accommodation will be arranged on request on first come first serve basis.

PAYMENT MODE

Account Name	IPS College of Technology & Management
Account No.	63016155289
Bank Name	State Bank of India
Branch	SME Branch Lashkar, Patankar Bazar, Lashkar Gwalior
Branch Code	30119
IFSC Code	SBIN0030119
MICR Code	474002026

Demand Draft: IPS College of Technology and Management, Payable at Gwalior

Last Date of Registration: 31 March 2020

DESIRABLE

It is recommended that the participants bring their personal laptops having SPSS software installed in it for deriving maximum benefits from the workshop. However, participants who are not able to bring their own laptops will be allowed to work on the desktop computers available in the Computer Lab.

PROGRAMME SCHEDULE

DAY - 1 (Saturday, 18 April, 2020)

- 10:00 AM - 10:30 AM - Inauguration
- 10:30 AM - 10:45 AM - TEA
- 10:45 AM - 01:30 PM - An overview on Research Methodology. Independent Samples, Research Objectives, Stating Null and Directional Hypothesis; Construction of Standardized test, Significance of test statistics, Testing Assumptions of Normality and Variance homogeneity,
- 01:30 PM - 02:15 PM - LUNCH
- 02:15 PM - 04:00 PM - Lab Work: Hands on practice in the use of SPSS: Data Entry, t- test Application and computing normality and Interpretation.

DAY - 2 (Sunday, 19 April, 2020)

- 10:00 AM-11:30 AM - Running t-test and f-test, interpreting output of SPSS, One and two-tailed test.
- 11:30 AM- 11:45 AM - TEA
- 11:45 AM- 01:00 PM - Applying One Way ANOVA- Demonstration using SPSS.
- 01:00 PM - 01:45 PM - LUNCH
- 01:45 PM - 04:00 PM - Working in SPSS by participants with a couple of ANOVA problems :Data entry, assumption testing, running ANOVA and interpretation of results.

DAY - 3 (Monday, 20 April, 2020)

- 10:00AM-12:00PM - Test of comparison of several means: One-way Analysis of Variance(ANOVA),Underlying rationale: ANOVA versus Multiple t-tests, Research Objectives and Hypotheses, Assumptions testing, Interpretation of results.
- 12:00PM-12:15PM - TEA
- 12:15PM-01:15 PM - POST-HOC Tests:LSD, Bonferroni, Duncan,Sidak and Games Howell.
- 01:15PM-2:15PM - LUNCH
- 02:15PM-03:45PM - Continuation of Lab work by participants with a one-way ANOVA problem with its interpretation.

DAY - 4 (Tuesday, 21 April, 2020)

- 10:00 AM - 12:00 PM - Two - Way ANOVA: Factorial design ANOVA with two factors, Concept of main and interactional effects, Research objectives and hypotheses,Tabulation of results and writing interpretation, Interpretation of significant interaction.
- 12:00 PM - 12:15 PM - TEA
- 12:15 PM - 01:15 PM - Lab work by participants with a two-way ANOVA problem.
- 01:15 PM - 02:15 PM - LUNCH
- 02:15PM - 03:45 PM - Correlation: Bivariate, Partial, Semi-Partial

DAY - 5 (Wednesday, 22 April, 2020)

- 10:00 AM-11:30 AM - Regression: Simple Linear Regression and Multiple regression
- 11:30 AM-11:45 AM - TEA
- 11:45 AM-01:15 PM - Lab work by participants using problems of Regression analysis.
- 1:15 PM- 02:15 PM - LUNCH
- 2:15 PM-04:00 PM - Guidance on: How to write a good thesis.

DAY - 6 (Thursday, 23 April, 2020)

- 10:00 AM-11:45 AM - Digital Initiatives of Govt of India in higher education, Open Access Journals & Books, Bibliographic databases for literature review. Google scholar, Scopus etc. Search Strategy, CrossRef, etc.
- 11:45 AM-12:00 PM - TEA
- 12:00 PM- 01:15 PM - Reference Management Tool : Mendeley, Identifiers for researchers like ORCID, ResearcherID, DOI, URL, etc.
- 01:15 PM-02:15 PM - LUNCH
- 2:15 PM-4:30 PM - Research Ethics & Plagiarism, UGC Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, Social media platforms for researchers like Research Gate, etc.

DAY - 7 (Friday, 24 April, 2020)

- 10:30 AM - 12:15 AM Evaluation and Feedback
- 12:15 AM - 12:45 PM Valedictory
- 12:45 PM Lunch

Chief Patron
Mrs. Shobha Mishra
Chairperson
IPS Group of Colleges

Patron
Dr. Arun Kumar Tyagi
Director
IPS Group of Colleges

Advisory Committee

Mr. Ashwini Mishra
Working President
IPS Group of Colleges

Mr. P. K. Ghosh
CAO
IPS Group of Colleges

Dr. P.S. Chauhan
Principal
IPS- CTM

Convener
Dr. Rama Tyagi
Principal
Institute of Professional Studies

Organizing Secretary
Dr. Vinod K. Bhatnagar
Head, Department of Management,
IPS-CTM

WORKSHOP COORDINATORS

Dr. Shweta Saxena
Assistant Professor,
Department of Management, IPS- CTM

Dr. Kalpana Kushwah
Professor
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CONTACT FOR REGISTRATION

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IPS GROUP OF COLLEGES

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3rd SEVEN DAYS NATIONAL WORKSHOP

on

Statistical Application and Interpretation in Social Science Research

APRIL 18-24, 2020

Organized by

Institute of Professional Studies

&

Department of Management of IPS-CTM, Gwalior, MP

REGISTRATION FORM

Name of the participant (In Capitals): Dr./Mr./Ms _____

Designation: _____

Organization: _____

Address: _____

E-mail: _____

Contact No.: - Fixed Line: _____ Mobile: _____

Sponsoring Body(if any): _____

Email ID of the sponsoring authority: _____

Date of Birth: _____

Qualifications: _____

Do you need accommodation? Yes _____ No _____

Fee Details: D.D. No. _____ Date: _____

Issuing Bank: _____

Reference No. (in case of online payment) _____

(Please write your Name and Contact Number behind the DD), Fee can be deposited by Bank Draft drawn in favor of:

"IPS College of Technology & Management, payable at Gwalior".

For Net Banking Option

A/C No. : 63016155289		
Bank and Branch Name	State Bank of India, SME Branch, Patankar Bazar, Lashkar, Gwalior, (M.P.), 474001.	
Branch Code : 30119	MICR Code : 474002026	IFSC Code : SBIN0030119

Duly filled in registration form along with DD should reach to the following address:

IPS Group of Colleges, Shivpuri Link Road, Gwalior-474001, M.P. India

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ipsdomgwalior@gmail.com, kalpanakushwah@yahoo.com

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