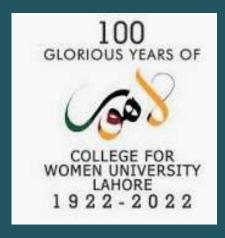


E-NEWSLETTER

STATISTICS DEPARTMENT LCWU

Inside this Issue

- News
- Awards
- Research Poster
 Competition at
 LCWU
- LISA-LCWU Workshops
- Seminars
- Trainings
- Participation in External Events
- Educational Visit
- Celebrations
- Extra-Curricular





"To understand God's thoughts one must study Statistics, for these are the measure of His purpose"

Florence Nightingale



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU



Patron in Chief

Prof. Dr. Shagufta Naz Vice Chancellor, LCWU

Editor in Chief

Dr. Asifa Kamal
Chairperson
Department of Statistics, LCWU

Dr. Barira Bakhtawar Public Relations Officer, LCWU

Faculty Editors

Ms. Rashida Khalil, Department of Statistics, LCWU Ms. Tahira Bano, Department of Statistics, LCWU Ms. Noor Shahid, Department of Statistics, LCWU Ms. Jiya Amir, Department of Statistics, LCWU

Special Thanks

Mr. Sibtain ul Hassan, Director IT, LCWU

Contact Information

Lahore College for Women University, Jail Road, Lahore

Phone: +92-42-99203801-9 Ext: 332, 243

Webiste: www.lcwu.edu.pk Web TV: webtv.lcwu.edu.pk

Facebook: www.facebooj.com/lcwu.official Email for Newsletter: statdept@lcwu.edu.pk

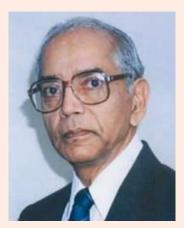


E-NEWSLETTER, STATISTICS DEPARTMENT LCWU NEWS



REFLECTING ON THE LEGACY OF DR. C.R. RAO

Dr. C.R. Rao, a renowned Indian-American mathematician and statistician, passed away on August 22, 2023, in the USA. Widely regarded as a living legend in Statistics, he was awarded with 38 honorary doctoral degrees from universities across 19 countries. Throughout his illustrious career, Dr. Rao received numerous awards and medals for his significant contributions to the fields of statistics and science. In 2023, he was honored with the International Prize in Statistics, often referred to as the "Statistics equivalent of the Nobel Prize".



CAUCUS FOR WOMEN IN STATISTICS (CWS) SOCIETAL IMPACT AWARD

Professor Dr. Saleha Naghmi Habibullah, an alumna of Lahore College for Women University (LCWU), currently serving at Kinnaird College for Women, Lahore, and holding the position of Honorary Executive Director of PISTAR, was honored with the CWS Societal Impact Award at the JSM conference of the American Statistical Association in recognition of her remarkable achievements, instrumental efforts in bridging local statisticians with international counterparts, and her



role as a distinguished ambassador representing her country on a global scale.

FUNDING FROM ELSEVIER 2023 MATHEMATICAL SCIENCES SPONSORSHIP FUND (MSSF)

Dr. Asifa Kamal, Chairperson of the Department of Statistics, has successfully secured funding for her project titled "A Step Ahead towards Diversity and Inclusivity: Facilitating Learning of Basic Mathematics and Basic Statistics for Blind Cirls at Lahore College for Women University (LCWU), Lahore, Pakistan." The project has been approved for funding from the Elsevier 2023 Mathematical Sciences Sponsorship Fund (MSSF), with a generous grant of US\$4,000 to support its implementation. This initiative aligns with the



department's commitment to promote "Equity, Diversity, and Inclusion," reflecting the training received from HESSA. The project aims to empower blind girls by providing them with the necessary tools and resources to excel in basic mathematics and statistics, fostering a more inclusive learning environment at LCWU.



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU NEWS



DEPARTMENT OF STATISTICS SIGNED MEMORANDUM OF UNDERSTANDING (MOU) WITH PAKISTAN BUREAU OF STATISTICS

On September 22, 2023, a Memorandum of Understanding (MoU) was established between the Department of Statistics at Lahore College for Women University (LCWU), Lahore, and the Pakistan Bureau of Statistics (PBS), Islamabad. The agreement was signed by Vice Chancellor Prof. Dr. Shagufta Naz of LCWU and Chief Statistician Dr. Naeem uz Zafar of PBS, with the initiative and efforts led by Dr. Asifa Kamal, Chairperson of the Department of Statistics at LCWU. The MoU encompasses collaboration in research projects, joint conferences, workshops, and seminars, as well as internship opportunities for students, data sharing, publication, and information exchange. Additionally, combined training

programs on data analysis and programming skills are part of the benefits outlined in the agreement, which were graciously reciprocated by participants from both entities.





DR. NAILA AMJAD PROCEEDED FOR POST-DOC

Dr. Naila Amjad proceeded for post doctoral program to University of Waterloo, Canada in October 2023.

SECOND MEETING OF INDUSTRIAL ADVISORY BOARD (IAB)

The Second Industrial Advisory Board (IAB) meeting of the Department of Statistics was held on December 7, 2023. The meeting started with an update about the implementation of suggestions for the 1st IAB Meeting. Members of the Board gave potential suggestions to enhance the employability of fresh Statistics graduates. The scope of Statistics in combination with other domains was also discussed. The meeting was concluded with a thank-you note given by Dr. Asifa Kamal to the members of the Board.



3RD BALLOTING OF HAJJ SCHEME

Ms. Maria Aslam, Lecturer, Department of Statistics, LCWU, became the first lucky draw winner in the 3rd Balloting of Hajj Scheme of Lahore College for Women University in December 2023.



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU AWARDS



CERTIFICATE OF PARTICIPATION

Dr. Asifa Kamal, Chairperson, Department of Statistics, LCWU, received a certificate of participation for a focus group discussion in the Alumni UK Networking Event on August 5, 2023.







CERTIFICATE OF APPRECIATION

Ms. Sidra Sajjad, Lecturer, Department of Statistics, LCWU, received a certificate of appreciation for her performance in Intermediate College, Lahore College for Women University.





ART POSTER COMPETITION: REFORM FOR A BRIGHTER FUTURE: TIME TO DECIDE

Afrah Hafeez, MS Student, Department of Statistics, LCWU, got first position and won a cash prize of PKR 25,000 in the competition titled "Reform for a Brighter Future: Time to Decide" on November 14, 2023.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU RESEARCH POSTER COMPETITON AT LCWU



GLOBAL ENGAGEMENT DAY: EMBRACING DIVERSITY, BUILDING UNITY (EQUITY, DIVERSITY AND INCLUSION)

The Internationalization Resource Centre (IRC-DFDI) organized a Research Poster Competition, "Global Engagement Day: Embracing Diversity, Building Unity (Equity, Diversity and Inclusion)," on December 15, 2023, under the leadership of Prof. Dr. Uzma Qureshi, Director of DFDI. The event, in collaboration with the Laboratory for Interdisciplinary Statistical Analysis (LISA-LCWU), was sponsored by the University of Sunderland, UK.

Dr. Hafsah Batool and Dr. Asifa Kamal, COD Department of Statistics, significantly contributed in organizing the successful event, which featured 28 posters from various departments of LCWU. The evaluation of posters in terms of novelty, presentation, and research content was conducted by Dr. Kalsoom Akhtar (Head of the Statistics Department, Kinnard College), Dr. Muhammad Ejaz Sandhu (Director of Operations, Burki Institute of Public Policy), and Dr. Muhammad Awais Tahir (Chief of Research, Pakistan Economic Research Institute). Guest participants, Mr. Syed Muhammad Ali and Mr. M. Ghazali Akhtar from the University of Sunderland, UK, took part in the competition

and prize distribution ceremony. The Department of Statistics also presented 12 posters, with Syeda Aroob Shah, Nimra Kareem, and Nimra Arshad securing the first, second, and third positions, respectively, receiving cash prizes of PKR 15,000, PKR 10,000, and PKR 5,000. Warda Khan and Afrah Hafeez also received a cash prize of PKR 3,000 for the fourth position.







E-NEWSLETTER, STATISTICS DEPARTMENT LCWU WORKSHOP



SPATIAL DATA ANALYSIS







acknowledgment of her valuable contribution the as resource person, Dr. Maryam Ilyas was presented with a souvenir by Dr. Asifa Kamal, the Chairperson of the Department of Statistics. The certificates were presented to the participants for their active involvement throughout the workshop.

The Laboratory for Interdisciplinary Statistical Analysis (LISA-LCWU) organized a three-day workshop titled "Spatial Analysis" on December 4-6, 2023. Dr. Maryam Ilyas, Assistant Professor, College of Statistical Sciences, University of the Punjab, shared her expertise as the resource for the and delivered person event with comprehensive overview valuable perspectives on spatial analysis. A hands-on training session on R-language was an additional aid to the participants in learning spatial data analysis. The students and faculty of the Department of Statistics, LCWU alumni, as well as researchers outside LCWU specializing in Statistics, participated in the workshop to learn the emerging skills in this field.







E-NEWSLETTER, STATISTICS DEPARTMENT LCWU WORKSHOP



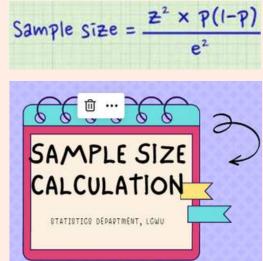
STUDY DESIGN AND SAMPLE SIZE CALCULATION

The Laboratory for Interdisciplinary Statistical Analysis (LISA LCWU) organized a one-day workshop on "Study Design and Sample Size Calculation" on November 29, 2023. Ms. Noor Shahid, a Lecturer in the Department of Statistics, served as the resource person. The workshop offered a comprehensive overview of common study designs in research.



Participants gained practical training in using various applications and calculators for sample size calculation, tailored to their specific research objectives, study design, and available information. Valuable literature on study design and sample size determination was shared to support participants in their future research endeavors. Attendees included students and faculty from the Department of Statistics, as well as faculty members from other departments, affiliated colleges, and LCWU alumni. Dr. Asifa Kamal, Chairperson of the Department of Statistics, presented certificates to both the resource person and the workshop participants.







E-NEWSLETTER, STATISTICS DEPARTMENT LCWU SEMINAR



CAREER COUNSELLING & JOB PLACEMENT



The Statistical Society at LCWU organized a one-day seminar on "CV Writing" for students on November 27, 2023. Miss Rida Sohail, the resource person, provided a comprehensive overview covering essential elements of CV writing by emphasizing the importance of a personalized and impactful approach.



The session began with an introduction to the significance of crafting an effective curriculum vitae in today's competitive job market. Participants, driven by a shared enthusiasm to enhance their professional narratives, engaged in exchanging ideas, experiences, and contact information, fostering a sense of community within the Statistics Department. Both faculty and students attended the seminar and took advantage of the valuable opportunity to learn the skills of composing an impressive CV.



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU SEMINAR



MANAGING DAILY LIFE HASSLES AND WAYS TO ENHANCE WELLBEING

The Department of Statistics at LCWU, in collaboration with the Career Guidance and Counseling Centre (CGCC), organized a one-day seminar on "Managing Daily Life Hassles and Ways to Enhance Wellbeing" on November 8, 2023. Held under the patronage of Vice-Chancellor Prof. Dr. Shagufta Naz as part of the HESSA Project implementation. Ms. Mamoona Riaz, a Psychologist from CGCC, shared a positive perspective on decision making and how to cope with daily life challenges.





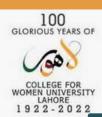
The interactive session focused on fostering self-awareness and regulation among the youth, guiding them towards making informed choices to address daily life hassles. The discussion encompassed an exploration of different sources of stress and their common reactions, concluding with the presentation of brief strategies to manage stress. The seminar was attended by both students and faculty members. Dr. Asifa Kamal, Chairperson of the Statistics Department, emphasized the importance of prioritizing mental health and implementing practical measures to enhance overall well-being. Additionally, students were informed about the available mental health services at CGCC on campus.

CAN MENTAL HEALTH HELP STUDENT'S SUCCESS?

IT MATTERS



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU SEMINAR



AVAILABILITY OF DATA FOR RESEARCH

The Laboratory for Interdisciplinary Statistical Analysis (LISA-LCWU) organized a one-day seminar regarding "Availability of Data for Research" on August 2, 2023. Dr. Abdul Basit, a Statistician from the State Bank of Pakistan, served as the resource person. During the seminar, Dr. Basit shared insights into various internal and external sources of data collection, guiding the audience on exploring data from the Pakistan Bureau of Statistics, State Bank of Pakistan, and Ministry of Finance websites. Emphasizing the importance of data in decision-making across different domains, Dr. Basit emphasized the significance of high-quality data and its capacity to yield valuable insights and projections.









Dr. Asifa Kamal, Chairperson of the Department of Statistics at LCWU, availed the opportunity to advocate internships for BS and MS students at the State Bank of Pakistan. The seminar was attended by faculty and students from the Statistics, Management Sciences, and Economics departments. It provided a valuable learning experience for LCWU students and faculty, facilitating valuable comprehension regarding the exploration of data in research pursuits.



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU TRAININGS



SESSION ON LEADERSHIP AND EXCELLENCE IN HIGHER EDUCATION

Dr. Asifa Kamal, Chairperson, Department of Statistics, LCWU, attended a training session on Leadership and Excellence in Higher Education. It was organized by the Directorate of Faculty Development and Internationalization (DFDI), LCWU, under the leadership of Prof. Dr. Uzma Qureshi.



IDENTIFYING STRENGTH: STUDENT ADVISORS/SOCIETY

Dr. Sehar Saleem, Lecturer in the Department of Statistics at Lahore College for Women University (LCWU), participated in a two-day training at UET Lahore as part of the HESSA component focusing on Student Support Services. The training, titled "Identifying

Strength: Student Advisors/Society," convened Society Incharges from LCWU who were invited for a comprehensive two-day session with HESSA facilitators and partner Higher Education Institutions (HEIs). The principal aim of the training was to actively engage society incharges and advisors in different societal activities and ensure their purposeful contribution.



NEWLY INDUCTED FACULTY TRAINING AT LCWU

A comprehensive two-week Induction Training Program was organized at Lahore College for Women University (LCWU) for its recently hired faculty members under the guidance of Worthy Vice Chancellor Prof. Dr. Shagufta Naz. The objective of the training was to equip the faculty with essential knowledge and skills to foster a dynamic and effective teaching environment. Ms. Shahana Khan, Ms. Sidra Sajjad, Ms. Noor Shahid, and Ms. Jiya



Amir from the Department of Statistics attended the training. After the training, Vice Chancellor Prof. Dr. Shagufta Naz distributed certificates of participation among the faculty members.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU PARTICIPATION IN EXTERNAL EVENTS



DATA USER AND DATA PRODUCER DIALOGUE WORKSHOP

A one-day workshop titled "Data User and Data Producer Dialogue" was held on November 20, 2023, arranged by the Pakistan Bureau of Statistics (PBS) in collaboration with the United Nations Population Funds (UNFPA). Dr. Asifa Kamal, Chairperson, Department of Statistics, Lahore College for Women University (LCWU), led her group in the presentation. Dr. Syed Wasim Abbas, Director, PBS Provincial Office Lahore, acknowledged her active participation.





3RD INTERNATIONAL CONFERENCE ON STATISTICAL SCIENCES

Students from the Department of Statistics, Lahore College for Women University (LCWU) presented research articles at the "International Conference on Statistical Sciences" on October 18, 2023. Syeda Aroob Shah, Areeba Afaq, Sehar Imran, and Rimsha Parveen presented their research in the conference sessions on Survey Sampling and Applied Statistics. The students were highly appreciated for their valuable research in the field of applied statistics.



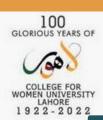








E-NEWSLETTER, STATISTICS DEPARTMENT LCWU PARTICIPATION IN EXTERNAL EVENTS



A PROPORTIONAL INCIDENCE RATE MODEL FOR AGGREGATE DATA TO STUDY VACCINE EFFECTIVENESS AGAINST COVID-19 HOSPITALS AND ICU ADMISSIONS

Dr. Naila Amjad attended a one-day seminar titled "A proportional incidence rate model for aggregate data to study vaccine effectiveness against COVID-19 hospitals and ICU admissions" under the series of Statistics and Biostatistics seminars held on November 8, 2023 at the University of Waterloo, Canada.



EFFECT OF SOCIAL MEDIA ADVERTISEMENT ON PURCHASING BEHAVIOR: A RESPONSE FROM FEMALE UNIVERSITY STUDENTS AND FEMALE FACULTY MEMBERS

Rimsha Zahid, a student of the Department of Statistics at Lahore College for Women University (LCWU), presented her research work titled "Effect of Social Media Advertisement on Purchasing Behavior: A Response from Female University Students and Female Faculty Members" at the "2nd International Conference on Recent Trends in Statistical and Data Analytics" organized by the School of Natural Sciences, NUST, Islamabad, on December 14-15, 2023.

CERTIFICATE DISTRIBUTION CEREMONY BY PAKISTAN BUREAU OF STATISTICS

The Pakistan Bureau of Statistics organized an internship certificate distribution ceremony for the students of BS Statistics. Dr. Asifa Kamal, Chairperson, Department of Statistics, Lahore College for Women University (LCWU), attended the ceremony with Ms. Sameena Irfan and BS Statistics students.



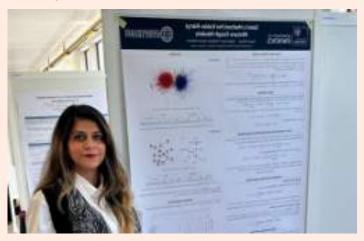


E-NEWSLETTER, STATISTICS DEPARTMENT LCWU PARTICIPATION IN EXTERNAL EVENTS



43RD CONFERENCE ON STOCHASTIC PROCESSES AND THEIR APPLICATIONS

Ms. Anum Fatima, Lecturer at the Department of Statistics, LCWU presented a poster at the "43rd Conference on Stochastic Processes and Their Applications" at the University of Lisbon, Portugal.



12TH INTERNATIONAL CONFERENCE ON COMPLEX NETWORKS & THEIR APPLICATIONS

Ms. Anum Fatima, Lecturer, Department of Statistics, LCWU gave an oral presentation at the "12th International Conference on Complex Networks and Their Applications" in Menton, France.



- Ms. Anum Fatima gave a talk at the 2nd "RandNET meeting workshop on "Graph Limits and Networks" at Charles University, Prague.
- Ms. Anum Fatima participated in the "Poster Competition in Statistics and Probability" at University College London, UK.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU EDUCATIONAL VISITS



VISIT TO AZIZ JEHAN BEGUM TRUST

A visit to the "Aziz Jehan Begum Trust and Institute for the Blind" was made on September 13, 2023 by the Department of Statistics, LCWU. Dr. Asifa Kamal, Chairperson, along with faculty members from the Statistics department learned the effective strategies and skills required for teaching blinds. A brief overview of the advancements, facilities, and accomplishments of the institute was given to the team at LCWU. The purpose of the visit was to get a deep insight into the teaching methodologies used for visually challenged students.



STUDY TOUR OF CHAIRS

EDUCATIONAL VISIT TO UNIVERSITY OF UTAH

Dr. Asifa Kamal, Chairperson, Department of Statistics, Lahore College for Women University (LCWU) went to the University of Utah in Salt Lake City, Utah, USA, on a study tour of departmental chairpersons by the Higher Education System Strengthening Activity (HESSA) for a week.





UNIVERSITY OF UTAH* USAID'S HIGHER EDUCATION SYSTEM STRENGTHENING ACTIVITY
ADVANCING HIGHER EDUCATION IN PAKISTAN

HIGHER EDUCATION SYSTEM STRENGTHENING ACTIVITY (HESSA)





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU EDUCATIONAL VISITS



EDUCATIONAL VISIT BY STATISTICAL SOCIETY

EDUCATIONAL TOUR TO PUNJAB BUREAU OF STATISTICS

The Statistical Society of LCWU organized an Educational Tour to the Punjab Bureau of Statistics (PBS) on October 17, 2023. The objective of the tour was to provide students with substantial exposure to PBS operations and the real-world applications of statistical methodologies. Participants included students from BS Statistics semester 5, along with COD and faculty members.

During the visit, Director Shams-ul-Huda and Assistant Director Muhammed Asif Yousaf provided an overview of their roles in collecting, analyzing, and disseminating statistical data.

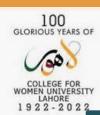


Dr. Sehar Saleem, the Statistical Society Incharge, and Ms. Sidra Sajjad planned the tour to give students knowledge of PBS operations before their internship.

A question-and-answer session allowed students to gain deeper insights into statistical work and the challenges faced by PBS. This educational tour provided practical exposure, enhanced students' knowledge, and inspired them to consider careers in statistics and data analysis. Such initiatives bridge the gap between academia and real-world applications, nurturing a future generation of informed and motivated professionals.



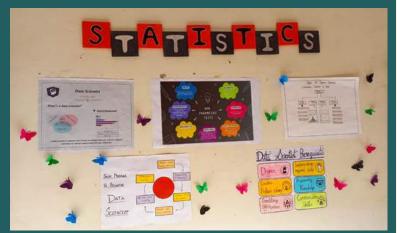
E-NEWSLETTER, STATISTICS DEPARTMENT LCWU CELEBRATIONS



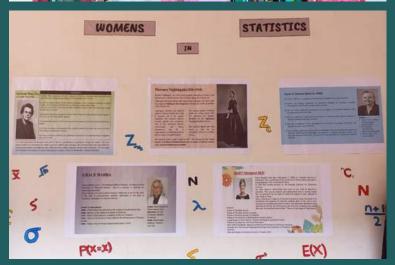
INTERNATIONAL DAY OF WOMEN IN STATISTICS AND DATA SCIENCE

The Department of Statistics at Lahore College for Women University (LCWU), Lahore. in collaboration with the Laboratory Interdisciplinary for (LISA-LCWU), Statistical **Analysis** celebrated the "International Day of Women in Statistics and Data Science" on October 20, 2023. Students from both BS and MS Statistics adorned a corridor within the department with posters honoring accomplished women statisticians, showcasing their notable achievements in the field.

Dr. Asifa Kamal, Chairperson of the Department of Statistics, along with faculty members and the LISA-LCWU team, participated in the festivities. Dr. Head Sharoon Hanook. of the Department of Statistics at Forman Christian College, also attended the event. He visited the venue, praised the their students for efforts. encouraged aspiring statisticians to explore Statistics and Data Science for innovation. Dr. Hanook commended Dr. Asifa Kamal for her dedicated efforts in promoting Statistics as a subject for women.







Celebrating the "International Day of Women in Statistics and Data Science" Statistics Department LCWU, Lahore, Pakistan



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU CELEBRATIONS



WOMEN IN STATISTICS ON 20TH OCTOBER, 2023 AT STATISTICS DEPARTMENT, LCWU









E-NEWSLETTER, STATISTICS DEPARTMENT LCWU EXTRA CURRICULAR



WELCOME OF BATCH 2023

Students of BS and MS Statistics under the guidance of faculty arranged an informal welcome and orientation session for the new batch of BS Statistics in 2023. A brief introduction to the Department Statistics, faculty, courses, scope of statistics and university rules of examination was given to the new batch. Dr. Asifa Kamal, Chairperson, Department of **Statistics** highly appreciated senior students regarding their concern for the students.



MILAD UL NABVI 2023

The Department of Statistics at Lahore College for Women University organized a Mehfil Milad un-Nabi (SAW) in the Statistics department. Ms. Sameena Irfan made all the arrangements along with the students of BS and MS Statistics. Dr. Asifa Kamal, Chairperson of the Department of Statistics praised the students for their valuable participation.



