




E-NEWSLETTER

STATISTICS DEPARTMENT LCWU

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022




LISA LCWU
2025

1st International Conference
on
STATISTICS AND AI:
BRIDGING THE GAP WITH DATA-DRIVEN INNOVATIONS




Inside this Issue

- Foreign Guest Visit
- News
- Participation
- STATS SORORITY
- LISA LCWU Events
- Conference





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

Patron in Chief

Prof. Dr. Uzma Quraishi
Vice Chancellor, LCWU

Editor in Chief

Dr. Asifa Kamal
Chairperson
Department of Statistics

Faculty Editors

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

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.facebook.com/lcwu.official

Email for Newsletter: statdept@lcwu.edu.pk



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU FOREIGN GUEST VISIT

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

ACADEMIC VISIT TO LAHORE COLLEGE FOR WOMEN UNIVERSITY, PAKISTAN – REFLECTIONS FROM THE 1ST INTERNATIONAL CONFERENCE ON STATISTICS AND AI

Prof. Carla Vivacqua

In December 2025, I had the pleasure of visiting Lahore, Pakistan, to participate in the 1st International Conference on “Statistics and AI: Bridging the Gap with Data-Driven Innovations,” hosted by the Department of Statistics at Lahore College for Women University (LCWU) from December 3–5, 2025. The visit proved to be one of the most rewarding academic experiences of that year.

From the moment I arrived, I was warmly welcomed by faculty members, students, and staff at LCWU. I was particularly impressed by the university’s

infrastructure and the vibrant academic atmosphere within the Department of Statistics. The dedication of the organizing committee, led by Dr. Asifa Kamal and supported by many colleagues and students, was evident throughout the event and contributed greatly to its success.


The conference brought together researchers, professionals, and students from Pakistan and abroad to discuss emerging challenges and opportunities at the intersection of statistics, artificial intelligence, and data science. The opening ceremony and keynote program highlighted the growing importance of statistical science in guiding innovation and supporting evidence-based decision making in a rapidly evolving technological landscape.

I had the honor of delivering a keynote lecture titled “Empowering Change: Statistical Insight, Artificial Intelligence, and Women’s Roles in the Mining Economy.” In my talk, I discussed how statistical modeling and experimental design can support innovation in industrial settings, particularly in the mining sector, while also emphasizing the importance of diversity and the role of women in science and technological development. I also participated in the panel discussion “Statisticians in the Age of Data Science and AI,” where experts discussed the evolving role of statisticians in a world increasingly shaped by machine learning, big data, and computational tools. A central theme of the discussion was the need to integrate rigorous statistical thinking with modern AI methodologies while strengthening interdisciplinary collaboration.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU FOREIGN GUEST VISIT

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

Beyond the keynote sessions, the conference also included several thematic sessions covering topics such as mathematical and probabilistic modeling, spatial statistics, biostatistics, machine learning, and applications of statistics in public health. These sessions demonstrated not only strong theoretical research but also a clear commitment to applying statistical tools to real-world problems. The event concluded with a hands-on workshop on “Data Analytics in Python: Tools and Techniques,” providing participants with practical skills for modern data analysis.


During my stay, I also had the opportunity to visit some of the most remarkable historical and cultural landmarks of Lahore. I had a fascinating glimpse into the city’s centuries-old urban life and culture. These cultural experiences, combined with engaging discussions with colleagues and students, made the visit both intellectually stimulating and personally memorable.

Overall, my visit to Lahore confirmed the strong and growing research culture within the Department of Statistics at LCWU. The conference provided an excellent platform for dialogue, collaboration, and exchange of ideas across continents. I sincerely hope that this visit will serve as the beginning of long-term academic collaborations between our institutions and colleagues. For all these reasons, I can confidently say that my visit to Pakistan was one of the highlights of my academic activities in 2025.

*Prof. Carla Almeida Vivacqua Federal
University of Rio Grande do Norte (UFRN)
Department of Statistics Natal-RN, Brazil*



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU NEWS

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

ELECTED MEMBER OF INTERNATIONAL STATISTICAL INSTITUTE

Dr. Sadia Khalil (Assistant Professor at LCWU Lahore) has been elected as a Member of the International Statistical Institute (ISI) for the years 2025-2026. This prestigious recognition reflects her valuable contributions to the field of statistics and serves as a source of motivation and inspiration for female statisticians. She also gained international academic exposure by serving as a Visiting Assistant Professor of Statistics at the University of North Carolina, Greensboro (USA) from 2022 to 2024.

ISI membership provides access to a global network of leading

statisticians and fosters international research collaboration. It also enhances academic visibility and facilitates participation in high-impact conferences and professional forums. Such representation at an international platform encourages greater leadership and engagement of women in statistical sciences.



MEMBER- ISLAMIC COUNTRIES SOCIETY OF STATISTICAL SCIENCES – ISOSS-2025-26

Dr. Sadia Khalil, Assistant Professor at Department of Statistics, LCWU, has been elected as a Member of the Islamic Countries Society of Statistical Sciences 2025-26.

POST DOC AT DURHAM UNIVERSITY

Dr. Sehar Saleem, Lecturer, Department of Statistics, LCWU got selected in the HEC post doctorate fellowship program. She is currently doing Post Doctorate at Durham University, Durham, UK.



Her area of specialization is regression analysis and applied statistics. She has completed her PhD Statistics from University of the Punjab, Lahore, Pakistan.

JOB AT KINNAIRD COLLEGE FOR WOMEN

Ms. Warda Khan, Alumni, Department of Statistics, LCWU got selected as Lecturer at Kinnaird College for Women, Lahore.



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU PARTICIPATION

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

PARTICIPATION AT THE 22ND INTERNATIONAL CONFERENCE ON STATISTICAL SCIENCES BY ISOSS

Dr. Sadia Khalil, Assistant Professor at Department of Statistics, LCWU, Chaired a session at the 22nd International Conference on Statistical Sciences by ISOSS held at the University of Sargodha, Sargodha on December 15-16, 2025

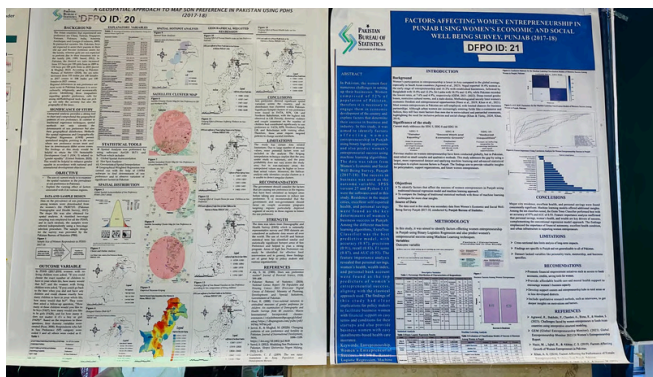


PARTICIPATION IN TWO-DAY EVENT TITLED AS "DATAFEST-2025"

The faculty from the Department of Statistics, LCWU including Dr. Sadia Khalil, Ms. Sameena Irfan, Ms. Sidra Sajjad, and Ms. Jiya Amir along with two MS students Ms. Hamda Batool and Ms. Adeena Hussain attended the two-day "DataFest-2025," event at the Pak-China Friendship Centre in Islamabad from November 11-12, 2025.


Dr. Sadia Khalil served as a member of the Jury in the Quiz Competition and both MS students participated in the poster competition. The event proved to be

highly useful, offering valuable exposure to emerging trends in data science and national statistical initiatives. It provided participants with meaningful opportunities to learn, network, and develop professionally. This first-of-its-kind festival in Pakistan aimed to promote statistical literacy and raise awareness about the crucial role of data. Open to a diverse audience—including government officials, policymakers, students, researchers, and the general public—DataFest-2025 demystified data science and demonstrated its practical applications.



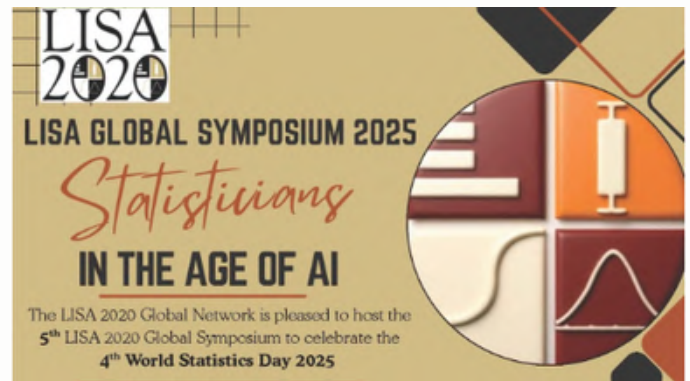


E-NEWSLETTER, STATISTICS DEPARTMENT LCWU PARTICIPATION

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922 - 2022

PARTICIPATION IN LISA GLOBAL SYMPOSIUM 2025 "STATISTICIAN IN THE AGE OF AI"

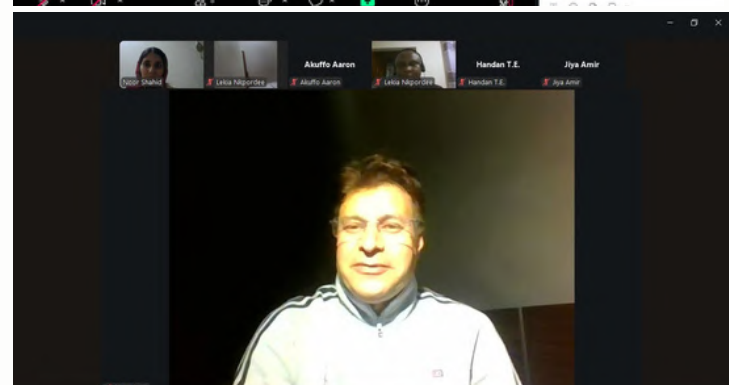
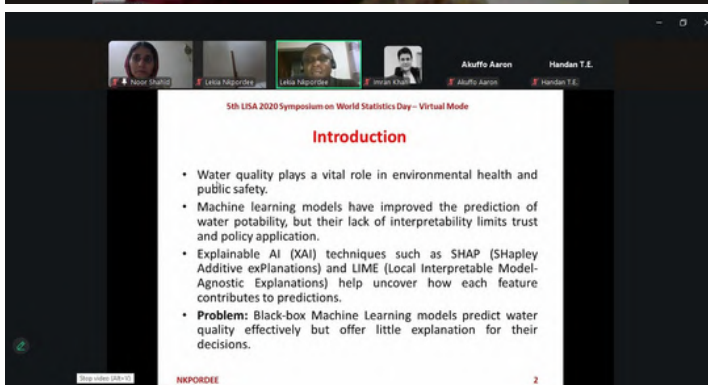
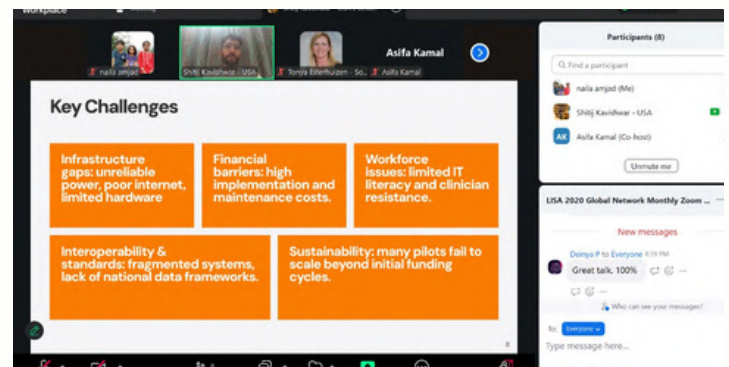
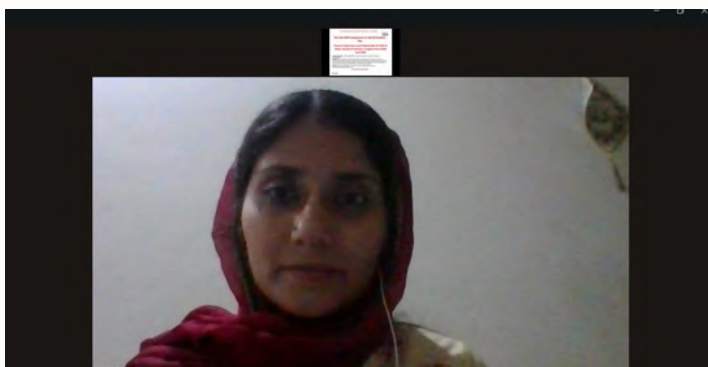
Dr. Asifa Kamal (Chairperson, Associate Professor), Dr. Naila Amjad (Assistant Professor), Ms. Noor Shahid (Lecturer), Ms. Jiya Amir (Lecturer), Ms. Hajira Muzammal (MS Student), Ms. Maham Mahmood (MS Student), Ms. Warda Mukhtar (MS Student), Ms. Syeda Fatima Naqvi (BS Student), and Ms. Rameen Asif (BS Student), Department of



Statistics, LCWU participated in the LISA Global Symposium virtually held on 20th, 22nd and 24th October, 2025.

Dr. Asifa Kamal, also presented a tutorial titled "Data Visualization using ggplot2" in tutorial sessions. Dr. Naila Anjad, Ms. Jiya Amir served as moderator and co-moderator in various sessions.

Dr. Asifa Kamal, Ms. Noor Shahid, Ms. Jiya Amir, Ms. Hajira Muzammal, Ms. Maham Mahmood, Ms. Warda Mukhtar, Ms. Syeda Fatima Naqvi and Ms. Rameen Asif presented their research at the symposium.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU STATS SORORITY

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

QUIZ COMPETITION

The Department of Statistics, LCWU, successfully organized an engaging Quiz Competition 2025, where students displayed remarkable knowledge, confidence, and teamwork. Four enthusiastic teams participated: Team MVB and Team Blue from BS-4, and Team Outliers and Team Sigma Square from BS-3. The competition featured challenging rounds that tested both statistical understanding and general knowledge, keeping the audience excited and involved. The Head of Department addressed the students, appreciating their enthusiasm and highlighting the importance of such activities in enhancing analytical thinking, teamwork, and academic growth. The event concluded with the announcement of winners, distribution of certificates, and a spirit of joy and learning truly reflecting the energy and excellence of the Department of Statistics, LCWU.



SEMINAR ON DATA FEST

The Department of Statistics organized a seminar on Data Fest organized under the leadership of incharge of Stats SorORITY Ms. Sidra Sajjad and advisor Dr. Sehar Saleem 2025 on 21 October. The event aimed to highlight the importance of data and statistics in modern research and decision-making. The honorable guests from the Pakistan Bureau of Statistics Dr. Waseem, Dr. Nighat, and Ms. Shahana graced the occasion with their presence. Dr. Waseem and Dr. Nighat delivered insightful briefings on the significance of data in today's world and emphasized the crucial role of statistics in shaping informed policies and innovations. Later, the Head of Department of Statistics addressed the gathering, expressing gratitude to the guests and encouraging students to continue exploring the field of data science with enthusiasm and curiosity. The event concluded with appreciation for the organizing team and acknowledgment of the department's continuous efforts to promote data literacy and analytical thinking among students.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU STATS SORORITY

100
GLORIOUS YEARS OF
COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

ORIENTATION DAY

The Department of Statistics organized an inspiring Orientation Day on 13th October 2025 under the supervision of Incharge of statistics society Ms. Sidra Sajjad and advisor of society Dr. Sehar Saleem to warmly welcome the new batch of students. The event introduced the newcomers to the university's environment, discipline, and academic culture through informative slides highlighting the department's history, faculty, HOD, coordinators, and examination system. Faculty members also shared encouraging

thoughts to motivate students as they begin their academic journey. The Head of Department delivered an inspirational address, offering career guidance and valuable advice to the students. The ceremony concluded on a sweet note with the distribution of sweets as a token of welcome, making Orientation Day 2025 a memorable start filled with warmth, motivation, and new hopes.



STATS SORORITY





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU LISA LCWU WORKSHOP

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

WORKSHOP ON "ADVANCE YOUR DATA ANALYSIS AND GRAPHING SKILLS FOR SCIENTIFIC RESEARCH USING GRAPHPAD PRISM"

The Research and Development (R&D) section of DFDI, in collaboration with Laboratory for Interdisciplinary Statistical Analysis LISA-LCWU, successfully organized a three-day workshop on Advance Data Analysis and Graphing Skills for Scientific Research using GraphPad PRISM from 23rd to 25th September 2025.

The workshop was held by resource person, Ms. Afza Rasul, Lecturer in Department of Statistics, LCWU who provided participants with hands-on training in key areas of data analysis, one-way & two-way Anova, presentation of graphs, t-tests, and regression analysis. The workshop was designed to enhance research capacity by providing scholars and professionals with practical skills in statistical analysis, with a particular focus on using PRISM for scientific data analysis and presentation.



WORKSHOP ON "QUALITATIVE DATA ANALYSIS IN RESEARCH"


The Research and Development (R&D) section of DFDI, in collaboration with Laboratory for Interdisciplinary Statistical Analysis LISA-LCWU, successfully organized a two-day workshop on Qualitative Data Analysis in Research from 13th November-14th November 2025.

The workshop was held by resource person, Dr. Amina Khawaja, Associate Professor in Department of Psychology, LCWU who provided participants with insights on qualitative data analysis, Phenomenological research and philosophical foundations of qualitative research.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU LISA LCWU TRAINING

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

ONE-DAY TRAINING ON "AI TOOLS IN RESEARCH" SUCCESSFULLY CONDUCTED AT LCWU

The Laboratory for Interdisciplinary Statistical Analysis (LISA-LCWU) in collaboration with The Directorate of Faculty Development and Internationalisation (R&D) organized one-day training on "AI tools in Research" on 10th October 2025 at Lahore College for Women University (LCWU), Lahore.

The training was conducted by resource person Dr. Rabia Javed, Lecturer in the Department of Computer Sciences at LCWU, who delivered comprehensive hands-on training on the use of AI tools for data collection and research data

analysis. She guided participants through practical applications, enabling them to understand how emerging technologies can streamline research processes and improve the quality of academic work.

A total of 28 participants attended the training session, including faculty members from the Faculties of Arts and Social Sciences, Natural Sciences, and Islamic and Oriental Learning. The interactive format of the workshop encouraged active participation, discussion, and real-time problem solving.

The training was designed to strengthen research capacity by equipping faculty and students with knowledge of modern technologies and innovative research methodologies. It aimed to foster digital competence, enhance analytical skills, and promote the effective integration of AI-driven tools into academic research. By the end of the session, participants gained practical insights that can support more efficient data management, accurate analysis, and impactful scholarly output.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU SHORT COURSE

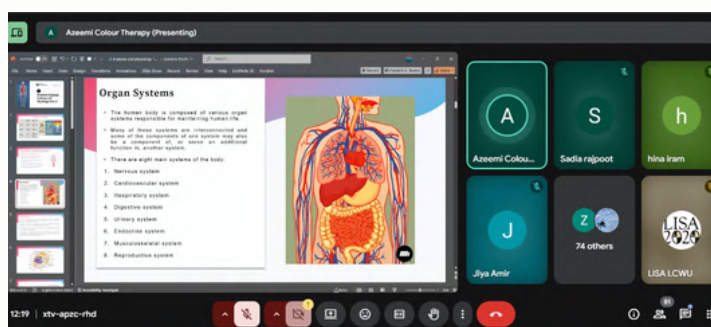
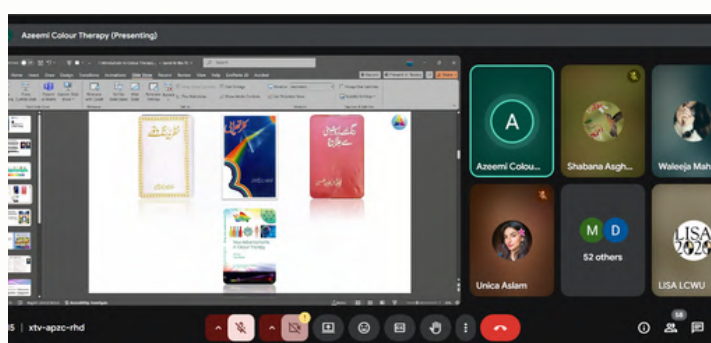
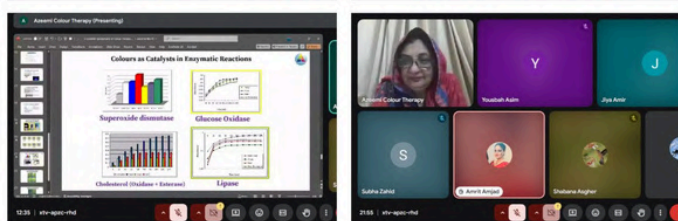
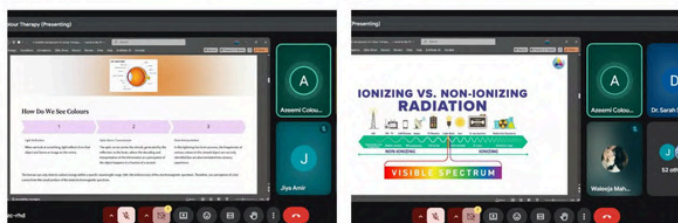
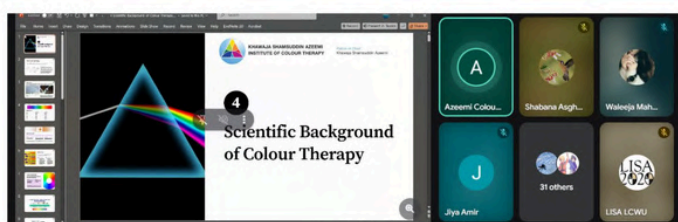
100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

SHORT COURSE ON "COLOUR THERAPY"

The Research and Development (R&D) section of DFDI, in collaboration with Laboratory for Interdisciplinary Statistical Analysis LISA-LCWU, held an online training workshop on "Colour Therapy" 19th July 2025 to 3rd August 2025. The sessions were led by Prof. Dr. Samina Tazayyen Yousuf Azeemi, a Physicist from Government Postgraduate College (W), Samanabad, Lahore.

During the workshop, the resource person comprehensively explained both the macro and micro dimensions of colour therapy, emphasizing how different colours can influence physical, mental, and emotional well-being. She elaborated on the theoretical foundations of colour therapy as well as its practical applications in daily life.



Various techniques of colour therapy were discussed in detail, along with the characteristics and psychological effects of different colours. The training also explored the effective utilization of colours to achieve balance, reduce stress, and enhance overall well-being. The participants actively engaged in the sessions and gained valuable insights into the therapeutic potential of colours and their role in holistic health practices.



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU SHORT COURSE

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

SPSS HANDS-ON: DATA ANALYSIS FOR RESEARCH AND PUBLICATION

The Research and Development (R&D) section of DFDI, in collaboration with Laboratory for Interdisciplinary Statistical Analysis LISA-LCWU, successfully organized a SPSS Hands-on Data Analysis for Research and Publication from 25th to 29th August 2025.

The workshop was led by Dr. Asifa Kamal, Chairperson at the Department of Statistics, LCWU, who provided participants with hands-on training in key areas of data analysis, including data entry, hypothesis testing, t-tests, and descriptive analysis.

A total of 65 participants took part in the training, representing both LCWU and institutions beyond, including Kinnaird College, Superior University, University of Gujrat, and Shaikh Zayed Medical Complex and Teaching Institute


The program aimed to strengthen research capacity by equipping scholars and professionals with practical skills in statistical analysis for academic writing and publication.

LCWU Holds Summer Training on SPSS for Research and Publication





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU CONFERENCE

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

INTERNATIONAL CONFERENCE ON "STATISTICS AND AI: BRIDGING THE GAP WITH DATA-DRIVEN INNOVATIONS"

The Department of Statistics successfully concluded its three-day international conference titled "Statistics and AI: Bridging the Gap with Data-Driven Innovations", held from December 3 to 5, 2025. The event brought together renowned academicians, researchers, professionals, and students from across Pakistan and abroad, fostering rich academic dialogue on the rapidly evolving intersection of statistics and artificial intelligence.

The conference commenced on December 3 with an impressive inaugural ceremony, formally led by the Vice Chancellor, Prof. Dr. Uzma Quraishi. In her address, she emphasized the transformative role of statistical science and AI in powering innovation and advancing evidence-based decision-making. She appreciated the Department of Statistics for organizing a platform that encourages interdisciplinary collaboration and academic growth.

Dr. Asifa Kamal, Co-chair of the conference and Chairperson, Department of Statistics (LCWU), delivered a warm vote of thanks to the guests and also acknowledged the participants, faculty, and students for their active engagement and contribution in making the conference successful.



1st International Conference
on

STATISTICS AND AI:

BRIDGING THE GAP WITH DATA-DRIVEN INNOVATIONS

LISA LCWU

2025



International Conference on "Statistics and AI: Bridging the Gap with Data-Driven Innovations"

Department of Statistics Inaugurates Three-Day Conference on "Statistics and AI: Bridging the Gap with Data-Driven Innovations" December 3, 2025 : The Depa...

 lcwu.edu.pk/



E-NEWSLETTER, STATISTICS DEPARTMENT LCWU CONFERENCE

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

The three-days conference featured thought-provoking keynote talks by distinguished scholars, including Prof. Carla Vivacqua from Universidade Federal do Rio Grande do Norte (UFRN), Brazil, Prof. Eric Vance from University of Colorado Boulder, USA, Dr. Sohail Chand from University of the Punjab, Dr. Jamal Abdul Nasir from Government College University, Lahore, Prof Atinuke Adebajji from the Purdue University, USA and Dr. Rehan Ahmad Khan Sherwani from the University of the Punjab, Lahore.

A dynamic panel discussion on “Statisticians in the Age of Data Science and AI” followed, bringing together experts to discuss the challenges and expanding opportunities for statisticians. The discussion stressed the importance of integrating core statistical principles with modern advancements in machine learning, big data analytics, and computational tools. The event provided participants an opportunity to engage and explore pathways in bridging traditional statistical methods with AI-driven innovations. The conference concluded on December 5 with a hands-on workshop titled “Data Analytics in Python: Tools and Techniques”, conducted by Dr. Naila Amjad and Ms. Noor Shahid from the Department of Statistics, LCWU.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU CONFERENCE

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

The workshop provided the participants with practical skills in Python using modern data analysis tools, enhancing their capacity for advanced data-driven research. A souvenir distribution ceremony was held to honor the keynote speakers for their valuable contributions. Dr. Asifa Kamal, Chairperson, Department of Statistics (LCWU), expressed her gratitude and acknowledgment to the guests, participants, faculty, and students for their active participation and contribution in the conference.



DATA ANALYTICS IN PYTHON-TOOLS & TECHNIQUES

The conference concluded on December 5 with a hands-on workshop titled “Data Analytics in Python: Tools and Techniques”, conducted by Dr. Naila Amjad and Ms. Noor Shahid from the Department of Statistics, LCWU. The workshop equipped participants with practical skills in Python-based data analysis, enhancing their capacity for advanced data-driven research.





E-NEWSLETTER, STATISTICS DEPARTMENT LCWU PROF. CARLA VIVACQUA VISIT

100
GLORIOUS YEARS OF

COLLEGE FOR
WOMEN UNIVERSITY
LAHORE
1922-2022

PROF. CARLA VIVACQUA, VISIT TO LCWU, LAHORE

Prof. Carla Vivacqua from Universidade Federal do Rio Grande do Norte (UFRN), Brazil, visited Lahore College for Women University, Lahore at the "1st International Conference on Statistics and AI: Bridging the Gap with Data-Driven Innovations" during 2nd to 7th Dec, 2025.

She gave an impressive talk on "Statistical Wisdom Meets AI in the Fight against Climate Change" at the conference. She interacted with BS, MS and PhD Statistics research students. She ensured research collaboration with students and faculty at Department of Statistics, LCWU.

She visited Laboratory for Interdisciplinary Statistical Analysis (LISA) at LCWU and appreciated the efforts of Dr. Asifa Kamal and her team for taking up this Global LISA 2020 collaboration. She also visited the main campus of Lahore College for Women University and found the old heritage and architecture truly impressive. The historic buildings reflect a rich academic legacy and timeless charm. The beautifully preserved colonial-era architecture, with its grand corridors and classic design, creates an atmosphere of dignity and inspiration. In her view, it stands as a proud symbol of tradition, culture, and women's education in Pakistan.

During her visit to the Walled City of Lahore, she felt amazed by the vibrant culture and centuries-old traditions. The narrow streets, colorful bazaars, and historical gates offered her a unique glimpse into the city's rich past. She also enjoyed her time at Lahore Zoo, where she experienced a lively and welcoming atmosphere.

She was particularly captivated by the grandeur of the Badshahi Mosque, whose magnificent architecture and peaceful environment left a lasting impression on her. Her visit to the Lahore Museum further enriched her

understanding of Pakistan's history, as she explored fascinating artifacts and learned about the region's cultural heritage.

