



**FORMAN
CHRISTIAN
COLLEGE**
(A CHARTERED UNIVERSITY)

**DEPARTMENT OF
STATISTICS**



STATISTICAL MOMENTS

2023-24

Newsletter

Volume - 3

Department History

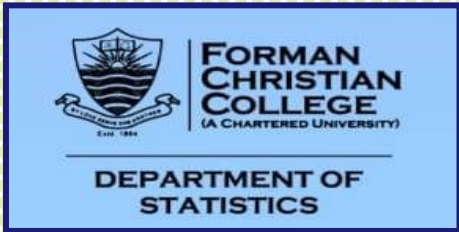
The Statistics Department was initially established in 1970 as a division within the Mathematics Department, under the visionary leadership of **Prof. Mir Muhammad Yaqoob**. It wasn't until 1974 that the department emerged as an independent unit, with **Prof. Muhammad Aslam** at the forefront, ushering in an era of significant development and achievement. The legacy of progress continued under **Prof. Dr. Mujahid Rasul** starting in 2006, who furthered the department's ambitions and reach. In 2009, **Prof. Khalid Javed** took the reins, contributing to the department's ongoing success. Since 2013, the department has been guided by **Muhammad Asif Shami**, who has been instrumental in steering its scholarly pursuits and maintaining its esteemed reputation.

Unlocking Insights: How Statistics Shape Our World

Statistics are no longer confined to dusty textbooks. Today, they're a powerful tool for unlocking insights from massive datasets, also known as "big data." This surge in importance is evident in fields as diverse as surveys and censuses, medical imaging (brain scans like MRIs and EEGs), genetic analysis, and even air traffic control. Statistics are the language of business, computer science, marketing, engineering, social sciences, health research, space exploration, and even artistic endeavors. From understanding consumer behavior to tracking disease outbreaks, statistics have become the backbone of both natural and social sciences. Official statistics play an increasingly critical role in our societies and governments. High-quality data, readily available at national, regional, and global levels, fuels public debates, informs policy decisions, and underpins critical business choices. National statistical systems, responsible for compiling and disseminating this data, have become essential national institutions. Recognizing this importance, the United Nations Statistics Division established World Statistics Day to celebrate the achievements of this field. Building on this global initiative, the Department at FCCU embraces the United Nations motto: "Better Data, Better Lives." We strive to harness the power of statistics for the betterment of our nation.

Message from Head of Department

The department of Statistics has been in existence for the last four decades and its faculty members have been inspiring the students for as long. This newsletter offers a glimpse into the activities and engagements of the faculty and staff at the department. All the members of the department lovingly serve the students and FCC community, in general, thus becoming the embodiment of the College's motto "**By love, serve one another**" and its **core values**. They are committed to bringing the best out of themselves as well as out of the students they work with. The purpose of a newsletter is to provide specialized information to a targeted audience. Newsletters can be a great way to market your product or service, and create credibility, build awareness for you and the services provided. I hope you will enjoy reading the newsletter.



STATISTICAL FAMILY

I am Dr. Fariha Yasmin, currently serving as an Associate Professor of Statistics at Forman Christian College. I earned my Ph.D. in Statistics from The Islamia University of Bahawalpur, where I later had the honor of being appointed as an External Examiner for Ph.D. and M. Phil theses. Joining FCC as a Lecturer in 2008, I steadily progressed to the role of Assistant Professor in 2014 before assuming my current position in 2018 upon completing my doctoral studies.

With close to seventeen years of experience in academia, I am deeply committed to nurturing academic excellence and fostering educational advancement. Within the Statistics Department, I play an active role in the search committee and contribute as a peer reviewer for reputable journals such as the Pakistan Academy of Sciences, the Journal of King Saud University, and the Pakistan Journal of Physical and Mathematical Sciences.

In the realm of thesis evaluation, I recently assessed two Ph.D. theses at the University of Management and Technology, Lahore, and four M. Phil theses at The Islamia University of Bahawalpur. Beyond academic assessments, I also served as an Advisor for SciNovation'24, representing the Statistics Department, and spearheaded the organization of Women's Day 2024 at our college. Furthermore, recognizing the importance of accessible educational materials, I have developed resources like short video tutorials tailored for intermediate students, focusing on enhancing their understanding of statistical tools, such as "How to use Scientific Calculator for Statistics."





STATISTICAL FAMILY

I, Peter Massey, Associate Professor of Statistics, serving Forman Christian College since 2003. I have earned Master's degree from Bahhauddin Zakariya University, Multan but proud to be a formanite. I joined my Alma Mater as a lecturer in 2003 and promoted to the rank of Associate professor in 2023. I rendered my services as Assistant Warden at Griswold Hall from 2004 to 2012.

Currently I am serving my Alma Mater and community as Member Statistics Department Search Committee, Proctorial Board, PTM 2023, advisor mentor -mentee program.

For BISE, Lahore I have served as head examiner, practical examiner, examiner for the braille papers and resident Inspector for examination centers at FCC. I have also an honor to be a member of committee to review statistics practical notebook for intermediate part I and II at Punjab Curriculum and Textbook Board (PCTB), Lahore.



For my professional development during this session, I have done a number of online training courses and specializations.

- ◇ "Data Analytics and Business Intelligence" and "Freelancing" 3 months training course each, from DigiSkills.pk, Ministry of Information and Technology & Telecom, Govt. of Pakistan
- ◇ Microsoft 365 Fundamentals, Specialization by Coursera
- ◇ Methods and Statistics in Social Sciences Specialization from University of Amsterdam by Coursera
- ◇ Business Statistics and Analysis Specialization from Rice University by Coursera
- ◇ Improve Your English Communication Skills Specialization from Georgia Institute of Technology by Coursera
- ◇ Getting Started with Google Workspace – Google Cloud Specialization by Coursera
- ◇ Google Data Analytics Professional Certificate by Coursera.
- ◇ Regression Analysis: Simplify Complex Data Relationships from Google by Coursera
- ◇ Linear Regression and Modeling from Duke University by Coursera



ACTIVITIES

Glimpses of SciNovation 2024



Advisor and advisees presenting historical calculating machines



ACTIVITIES

Glimpses of SciNovation 2024



UNIFORM PROBABILITY MODEL

In a uniform probability model each possible outcome has equal probability.

Representative examples

All possible outcomes (sample space)

Each outcome has equal probability.

1/2

A fair coin

Head

Tail

1/6

A six-sided die

Event A = even numbers $3/6$

Event B = odd numbers $3/6$

1/6

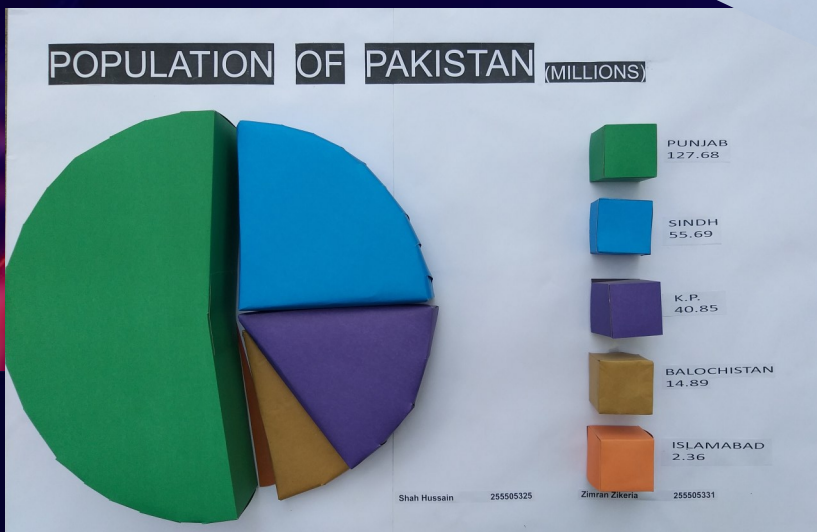
Evenly-divided spinner

Event A = triangles $3/6$

Event B = circles $3/6$

Muhammad Awaiz 244406121

Students showcased the models they created



ACTIVITIES

Glimpses of SciNovation 2024

Students showcased the models they created



ACTIVITIES

The Statistics department took a proactive approach to student success throughout the academic year, providing comprehensive support in preparation for the April/May 2024 exams. This multi-faceted initiative aimed to empower students of all levels with the knowledge and tools needed to excel.

Business Statistics Learning Material

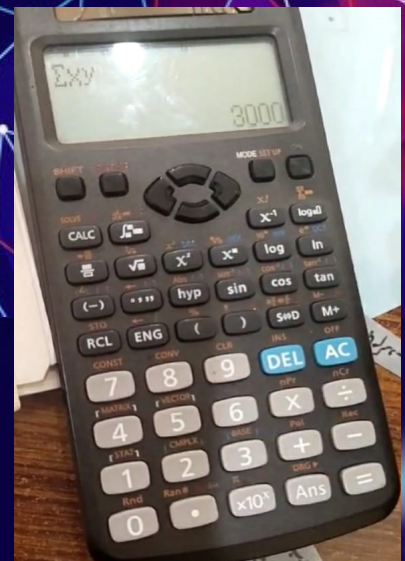


Department of Statistics
F C College Lahore

TIPS to Score Higher Marks in Statistics Exams

VIA GOOGLE MEET
DATE: APRIL 26, 2024
TIME: 10:00 AM

The Link for Google Meet will be shared in WhatsApp Groups



Targeted Learning Resources: Students were equipped with a comprehensive suite of learning materials, including detailed notes, practical worksheets, and targeted resources that addressed frequently encountered challenges. This ensured a strong foundation and addressed specific learning gaps.

First-Year Exam Readiness Webinar: Recognizing the specific needs of first-year students, the department hosted a dedicated online webinar. This session addressed potential exam anxieties, provided strategies for tackling exam questions effectively, and offered a platform for students to ask lingering questions. By directly addressing first-year concerns, the department fostered a sense of confidence and exam preparedness in this crucial student group.

Enhanced Understanding with Interactive Tools: Short, engaging video tutorials on "How to Use Scientific Calculators" were developed to supplement traditional learning methods. This innovative approach provided students with a clear and accessible explanation of a crucial exam tool, fostering a deeper understanding of statistical concepts.

ACHEIVEMENTS



Mr. Peter Massey, Promoted to the Rank of Associate Professor

Google Data Analytics Professional Certificate

ISSUED TO

Peter Massey



Issued on: 22 JAN 2024 | Issued by: Coursera
Verify: <https://www.credly.com/go/nLoR85Qj>

Mr. Peter Massey has earned a Google Certification

SERVICES



**Dr. Ivan Suneel Samuel and Dr. Luba Amer
Presenting Certificate to Dr. Fariha Yasmin, Advisor SciNovation 2024**

SERVICES



CERTIFICATE OF APPRECIATION

This certificate is presented to

Mr. Muhammad Asif Shami

for extraordinary service and contributions
to Center for Learning and Teaching


JONATHAN ADDELTON
RECTOR



coursera

Google Project Management Certificate

ISSUED TO

Muhammad A. Shami



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Session: 2023-24



Dr. Fariha Yasmin

Associate Professor

Dr. Lubna Amer

College Coordinator

Dr. Ivan Suneel Samuel

Vice Rector

M. Asif Shami

Associate Professor

Peter Massey

Associate Professor



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