

POPULATION RESEARCH CENTER (PRC),
FORMAN CHRISTIAN COLLEGE
(A CHARTERED UNIVERSITY)

BI-ANNUAL NEWSLETTER (6TH EDITION)
JULY 1ST – DEC 31ST, 2022



HIGHLIGHTS

- Webinar - An Introduction to Data Sets made available by Punjab Bureau of Statistics for Secondary Data Analysis
- Workshop - Data types and analysis using STATA software
- Webinar - Digital Population & Housing Census 2022
- Collaborative Panel Discussion: Devastation by floods in provinces: Relief and rehabilitation activities & imminent challenges
- Research Essay Competition theme - 2022 floods in Pakistan: Challenges & Solutions
- Launch of Demography and Population Studies Minor

Webinar - An introduction to data sets available by Punjab Bureau of Statistics (PBS)

The Population Research Center (PRC) organized a webinar in collaboration with the Punjab Bureau of Statistics (PBS), Pakistan on October 10th, 2022. The guest speaker was Chaudry Sajid Rasul, Directorate General (DG), PBS. The title of the webinar was “An Introduction to Datasets available by Punjab Bureau Statistics for Secondary Data Analysis”.

Ch. Sajid Rasul commenced the webinar with the brief introduction of the Punjab Bureau of Statistics. He stated that the PBS established in 1970 after the bifurcation of the West Pakistan Bureau of Statistics into Four Provincial Bureaus. He further added that the regular statistical datasets by the Punjab Bureau of Statistics are tabulated by using primary and secondary data.

Mr. Sajid Rasul shared that all the information is available on the Bureau’s repository which can be accessed by users.

He explained how multiple datasets and special surveys by the Bureau of Statistics are collected with three years gap. These surveys are as follows:

- Multiple Clusters Indicator Surveys (MICS)
- Punjab Child Labor Survey 2019-2020
- Punjab Hepatitis Prevalence Survey
Women's Economic and Social wellbeing
Survey in Punjab 2017-18
- Possible Serious Bacterial Infections(PSBI),
2018
- Survey on Silicosis, 2018
- Punjab Health Survey 2017
- Home Based Worker Survey 2016

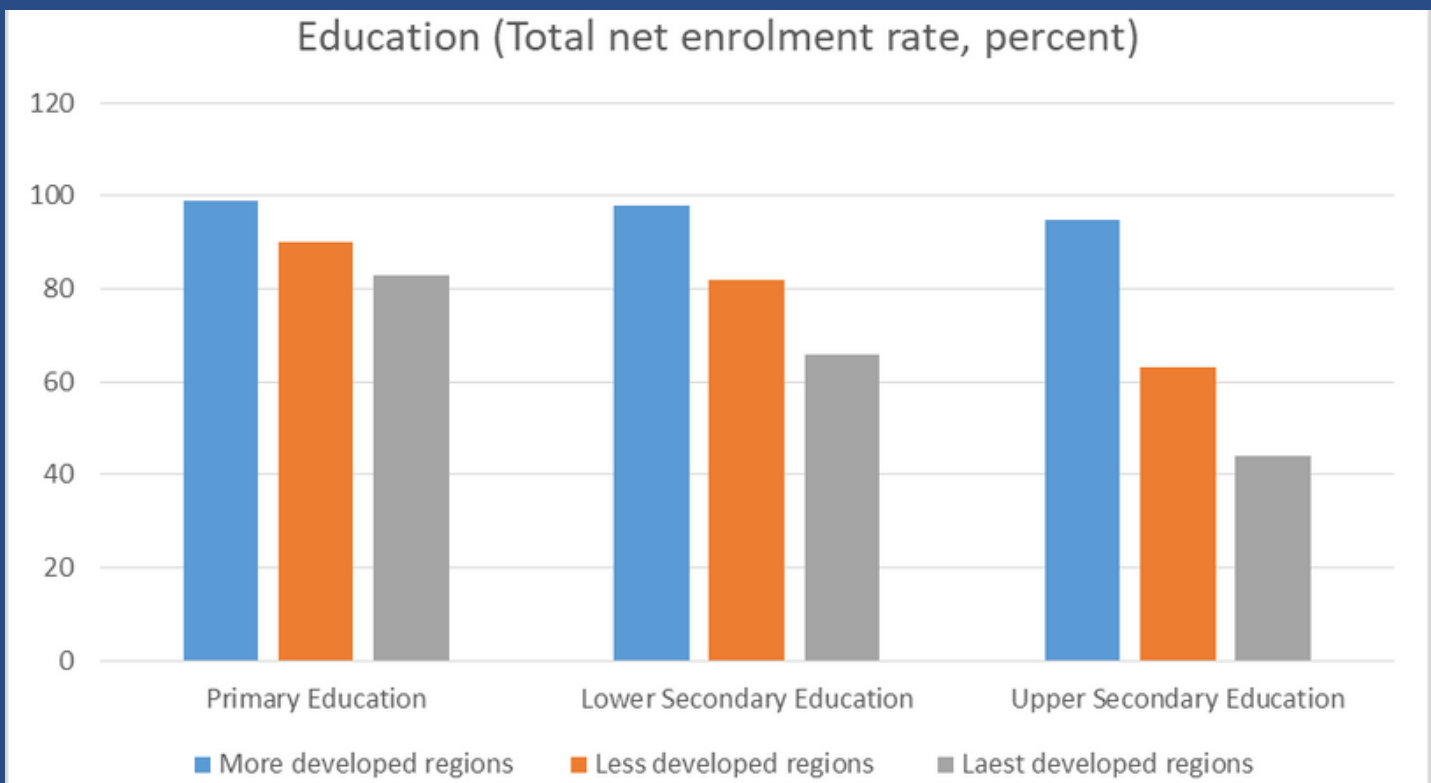
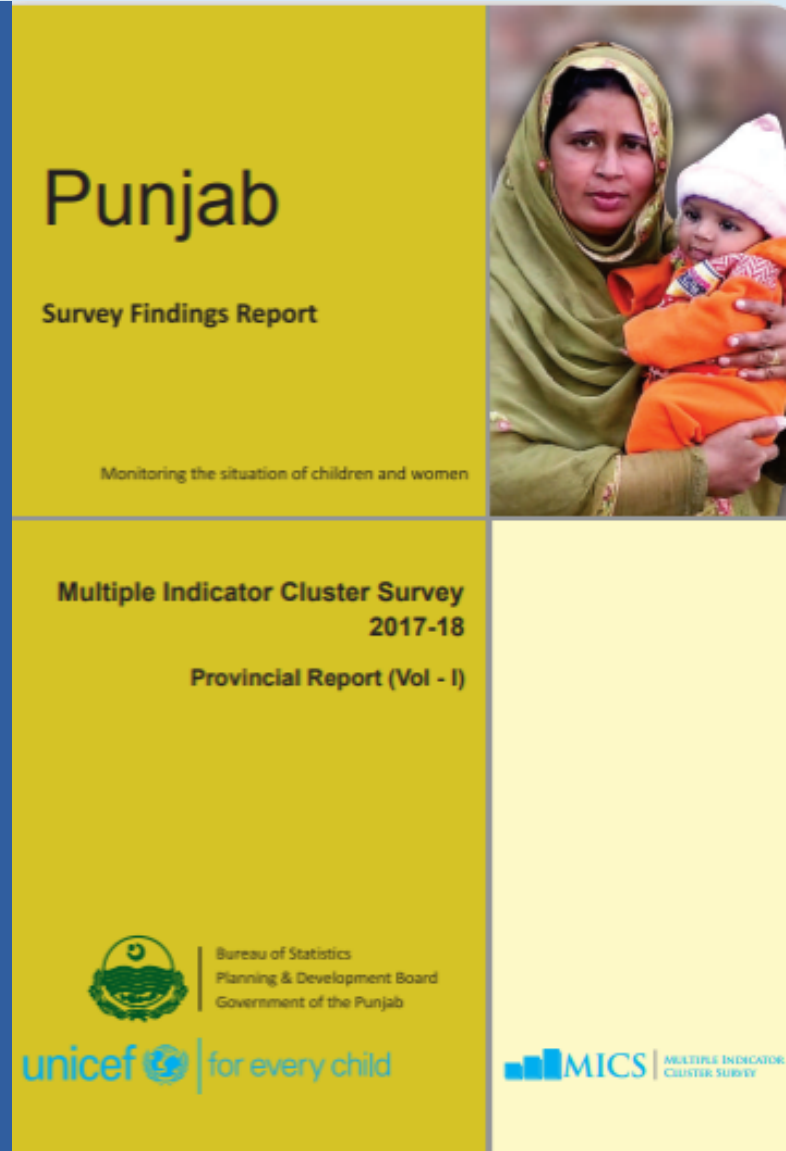
ABOUT THE SPEAKER

Mr. Chaudry Sajid Rasul is serving as the Director General Bureau of Statistics, Government of Punjab Planning and Development Board, Lahore. He joined Bureau of Statistics, Punjab as Deputy Director in 2003. He is currently doing PhD in Statistics from the University of Punjab. He also provided his services in Ayub Agricultural Research Institute, Faisalabad.



Mr. Sajid Rasul briefed about description of sampling methodology (Household Sampling technique MICS 2017-18). In which, he elaborated the sampling design strategies, survey objectives, sampling frame and key principles in sampling. Lastly, he added that MICS data was useful in several policy documents, appraisal reports and development plans as they have influenced the process of managing social, industrial and economic sectors of Punjab.

The session ended with the Q/A session followed by the note of thanks.



The data indicates the worldwide statistics

Source: UNFPA

CERTIFICATE DISTRIBUTION CEREMONY

The PRC launched its certification program in “Demography and Population Studies” in Fall'21 for undergraduate students at FCCU. The certification program requires students to take a total of four courses from the participating departments; Sociology, Statistics, Economics and Geography. The PRC hosted a certificate ceremony on 31st October 2022 for the first batch of students who successfully completed the Certification Program.



Dr. Sikandar Hayat, Chair Advisory Board PRC, awarded the certificates to the students where he addressed the students regarding the increasing importance of demographic and population studies for current affairs. He also expressed gratitude towards the students for showing interest in the certification program.



The students also shared their positive feedback and explained that the program enhanced their understanding of population related issues. They also plan to study Demography as their postgraduate degrees.

Webinar - Digital Population and Housing Census 2022

29th November, 2022

PRC organized a webinar on “Digital Population and Housing Census 2022” on November 29th, 2022. The guest speaker for this webinar was Dr. Naeem uz Zafar, Chief Statistician of Pakistan Bureau of Statistics.

Dr. Naeem discussed how the Pakistan Bureau of Statistics is carrying out the 7th Digital Population and Housing Census for the year 2022, after a 5-year interval, with the latest tools and technology to produce quality data. A questionnaire was drafted to address the specifics of the census and to counter limitations of the previous 2017 census.

He emphasized on the need for transparency, credibility and wider accessibility for Census processes and results. The Bureau utilizes a multi-mode of data collection which includes secured self-enumeration portal, tablet-based data collection and paper-based data collection including a post enumeration survey.

The Pakistan Bureau of Statistics also organized social media campaigns to bring public awareness about the Digital Census of 2022. The Digital Census has many advantages as it reduces time of conducting a census, GIS monitoring, real time trend analysis and data quality assurance.

Dr. Naeem ended the session with a thankyou note in which he also advised students that they should ask the right research questions for their thesis and research papers so that their papers can be useful for developing public policies of Pakistan.



About the Speaker

Dr. Naeem did his Doctorate in economics from Northern Illinois University, USA in 2010. He did his MBA from Institute of Business Administration, Karachi and undergraduate in Mechanical Engineering from NED University, Karachi. In 2017, he joined Government of Sindh as Chief Economist and worked there for four years. As Chief Economist, he headed the Technical Committee of Planning & Development Department (P&DD).

WORKSHOP: DATA TYPES AND ANALYSIS USING STATA SOFTWARE



The PRC organized an on-campus two day workshop on Data Types and Analysis using STATA on 15th and 17th November 2022.

The workshop was organized in collaboration with the Punjab Bureau of Statistics (PBS). The workshop was open to all FCCU students while, faculty members also participated in the workshop.

The workshop was conducted in the computer lab E-241 where students analyzed different datasets using the STATA software. The topics covered in the workshop are mentioned in the next section.

Facilitators

Ch. Sajid Rasul,
Director General,
Punjab Bureau of
Statistics



Mr. Isaac Shahzad,
Assistant Director of
Survey Design and
Research Division of
the Punjab Bureau
of Statistics



STATA is one of the most common and widely used statistical software among researchers in the world.

Workshop: Data Types and Analysis using STATA software

Day 1- 15th November, 2022

On the first day of the workshop, Mr. Sajid Rasul and Mr. Isaac Shahzad covered the following:

- Introduction to STATA (Stata interface, do and log file, command and variable window)
- Types of variables stored in STATA
- Built In Datasets in STATA
- Dealing with variables in STATA
- To string, destring, encode commands to variables
- Exercise



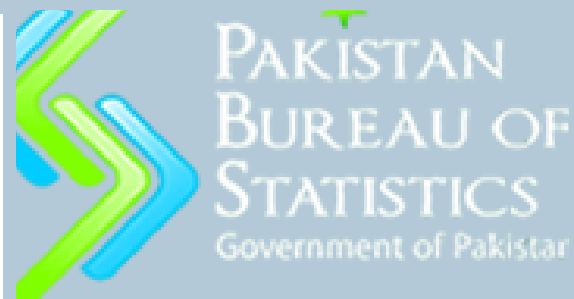
Day 2- 17th November, 2022

On the second day, Mr. Isaac Shahzad covered the following topics:

- Transformation of Variables (gen, egen add and drop commands)
- Labeling variables and values
- Merging and appending of Complex Survey Data files.
- Univariate Analysis
- Visual Presentation of Graphs
- Bivariate Analysis
- Exercise



PRC
COLLABORATIONS



RESEARCH ESSAY COMPETITION - 2022 Floods in Pakistan: Challenges & Solutions

Keeping in view the recent environmental, climatical and social issues in Pakistan, PRC took an initiative and organized a research essay competition for baccalaureate students on "2022 floods in Pakistan: Challenges & Solutions", funded by "Office of Research, Innovation and Commercialization (ORIC), FCCU".


The themes of the competition were as follows:

- Internal displacement and migration
- Water security & food security
- Public health issues
- Possible long and short-term economic challenges
- Disaster risk reduction (DRR)

All the above mentioned themes were in reference to the issues caused by 2022 floods and possible solutions.

After the in-depth screening and evaluation process by PRC team, the essays will be evaluated by reviewers committee. The results will be announced in the upcoming award ceremony to be held on January 9th, 2023. The Reviewers Committee consists on the following faculty members:

- Dr. Sara Rizvi jafree, Chairperson & Associate Professor, Department of Sociology
- Dr. Hafiz Rizwan Ahmad, Assistant professor, Department of Economics
- Dr. Khadija Shakrullah, Associate Professor, Department of geography
- Dr. Jawad Tariq, Assistant Professor, Department of Sociology



2022 FLOODS IN PAKISTAN: CHALLENGES & SOLUTIONS

RESEARCH ESSAY COMPETITION

The PRC team is excited to share that we are conducting our first student Research Essay competition on 2022 floods in Pakistan. All the undergraduate students at FCCU can participate in the competition. The overall theme of the competition will be the 2022 Floods in Pakistan, ensuing challenges and possible solutions. The students have to write essay on any one of the following topics.

THEMES

- Internal displacement and migration due to 2022 floods
- Water security & Food security related to 2022 floods and possible solutions
- Public health issues related to 2022 floods and possible solutions
- Long and short-term Economic challenges in the aftermath of the 2022 floods and possible solutions
- Disaster Risk Reduction (DRR): Lessons learned from 2022 floods and way forward

ELIGIBILITY & GUIDELINES

- Entry is open to all Undergraduate students at FCCU.
- The essay should begin with a cover page including the title of the essay, name of the student & word count.
- The essay should not exceed 1,500 words (excluding title page, figures and references).
- Essay should be written in "Times New Roman" with font size 12. Line spacing should be 1.5. and the essay should be submitted in Word and PDF format.
- References should be included at the end of the essay in APA reference style.
- Entries must be submitted online via email on prc@fccollege.edu.pk with Subject "Research Essay Competition 2022"
- Essays should be student's original work which must be unpublished. Plagiarized entries will be rejected.

ENTRY DEADLINE

30th Nov '22 (Extended)

Result & Award Ceremony:
9th of January '23

1st Prize: Rs. 20,000/-

2nd Prize: Rs. 15,000/-

3rd Prize: Rs. 10,000/-

For Further Information:

Phone: 042 99231581-8; Ext: 864

E-mail: prc@fccollege.edu.pk

Web: <https://www.fccollege.edu.pk/population-research-center/>

The total damages by 2022 floods in Pakistan exceeds USD 14.9 billion while total economic losses to reach about USD 15.2 billion. The estimated needs for rehabilitation and reconstruction in a resilient way are at least USD 16.3 billion.

Source: The World Bank

COLLABORATIVE PANEL DISCUSSION

DEVASTATION BY FLOODS IN PROVINCES: RELIEF AND REHABILITATION ACTIVITIES & IMMINENT CHALLENGES



PRC organized and hosted a collaborative panel discussion on the "Devastation by Floods in Provinces: Relief and Rehabilitation activities & imminent challenges" on 9th December, 2022, supported by UNFPA.

This event was conducted in collaboration with the Population Council (PC), Pakistan, PRC, Institute of Business Administration (IBA), Karachi, PRC, University of Peshawar (UOP) and PRC, Baluchistan University of Information Technology, Engineering and Management Sciences (BUITEMS).

The event started with a welcome note by Ms. Khizra Nasir (Research assistant, PRC) followed by the inaugural address by Dr. Jonathan Addleton (Rector, FCCU), welcome address by Dr. M. Vaqas Ali (Director, PRC) and introductory note by Ms. Samia Shah (Project Director, Population Council, Pakistan).

The event consisted on two sessions. The first session focused on the relief and rehabilitation activities in the aftermath of the 2022 Floods at the national level. The second session focused on a situation analysis of the devastation caused by the floods at the provincial level.

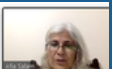
First Session - National level

In the panel discussion, firstly, Dr. G. M. Arif (President, Population Association of Pakistan -PAP) presented on how mismanagement of the government has led to unauthorized settlements in flood prone areas. He suggests that resilience policy is important to reduce existing risks and improve respond to new risks in Pakistan by empowering local governments and improving education and health facilities.

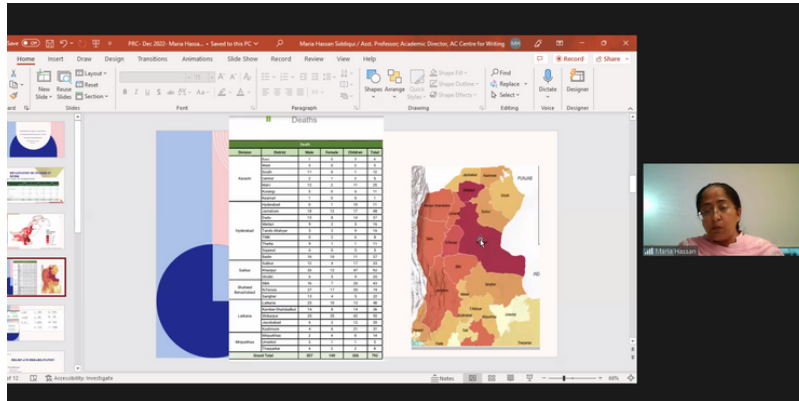
Secondly, Ms. Afia Salam (member of the National Climate Change Council) discussed of the impending challenges for Pakistan caused by the floods in 2022 and sustainable solutions. Ms. Afia discussed the Disaster Risk Management (DRM) and Disaster Risk Reduction (DRR) of floods in Pakistan. She focused upon how Pakistan has multiple climate change threats which catalyzes in the heavy monsoon rainfalls. She also proposed that the population should be trained in basic survival skills to reduce disaster risk and rehabilitation and compensation should be given to the affected population.

Implications - II

- Increase in poverty
- More children out of school
- More girl brides
- More compromised neo-natal births
- Increase in vulnerability
- Decrease in resilience and adaptive capacity
- Mental health issues
- Less access health & educational facilities



DEVASTATION BY FLOODS IN PROVINCES: RELIEF AND REHABILITATION ACTIVITIES & IMMINENT CHALLENGES



Second Session - Provincial Level

Moving towards the provincial level devastation of the floods,

First, Ms. Maria Hassan (Assistant Professor, IBA, Karachi) discussed the topic "Devastation by floods in Sindh: Relief and rehabilitation activities in Sindh and imminent challenges". She recommended that the federal and provincial governments should seek aid from international stakeholders. Some of the policies she suggested which should be considered are:

- capacity building
- infrastructure overhaul
- funds management
- structural modification,
- water management
- reforestation

She further explained that immediate action for catering the affected population is through supplying field hospitals, building tents or temporary housing and restoring agricultural land.

Did You Know?

Heavy monsoon rains have flooded a third of Pakistan, affecting more than 33 million people, of whom 6.64 million are children under 5, elderly and pregnant women.

Secondly, Mr. Mumtaz Ali (District Support Manager PPHI, District Pishin) discussed the topic "Devastation by floods in Baluchistan: Relief and rehabilitation activities in Baluchistan and imminent challenges". Mr. Mumtaz Ali elaborated that how his team responded to floods devastation from July to August 2022 at Districts Suhbatpur and Killa Abdullah. He shared comprehensive reports on the health care facilities provided to the flood affected population to the audience.

Mr. Mumtaz focused on the importance of providing psychological help to the flood affected victims and the lack of organizations that provide emergency health support. He also emphasized on the importance of future planning. He stated that they may provide the resources that the victims actually need and provide aid on time.



MINOR IN DEMOGRAPHY

ABOUT THE PROGRAM

The Population Research Center (PRC) prepared a proposal of minor in demography. The proposal was prepared after conducting an extensive research on the minor programs in *Demography* currently being offered around the world.

The proposal to launch the minor was presented and approved in the 49th Academic Council held on 24th November 2022. The program will be offered by the Department of Sociology. The minor program will consist of 6 courses (18 credit hours), of which two courses will be compulsory. These courses are being offered by the following four departments; Sociology, Economics, Geography and Statistics.

THE LIST OF FINAL PROPOSED COURSES IS AS FOLLOWS:

CORE COURSES:

- INTRODUCTION TO DEMOGRAPHY (SOCL 110)
- QUANTITATIVE METHODS IN SOCIAL SCIENCE (STAT 103)

ELECTIVE COURSES:

- POPULATION ECONOMICS (ECON 210)
- GEOGRAPHY OF SOUTH ASIA (GEOG 233)
- POPULATION GEOGRAPHY (GEOG 323)
- DEMOGRAPHY AND PUBLIC HEALTH (SOCL 335)
- POPULATION MIGRATION AND IMPLICATIONS (GEOG 424)
- THE SOCIOLOGY OF AGING AND POLICY CHOICES (SOCL 435)



TOTAL FERTILITY RATE (TFR), PAKISTAN, 2020

3.7

INFANT MORTALITY RATE (IMR), PAKISTAN,

2020

56

LIFE EXPECTANCY AT BIRTH (YEARS), PAKISTAN,

2020

65

Source: UNFPA

MEET THE PRC TEAM MEMBER

Ms. Shanzeh Ahmad is currently working at the PRC, hired through work study program (WSP) in Fall'22. Ms. Shanzeh Ahmad is pursuing her Bachelor's degree in Sociology and recently completed a certification program in Demography and Population Studies. Her research interests include Population studies, Social psychology, Sociology of Health, Child welfare and Gender.



Ms. Shanzeh Ahmad

PRC - STUDENT COMMITTEE MEMBER

Mr. Lutf Ullah is a senior year undergraduate student of Political Science, Sociology & Population Studies. He has a strong heed for research in public policy/affairs and development/social sectors domain. He is also a part-time philosophy/fiction reader.



**Mr. Muhammad Lutf Ullah
Khan**



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