



TO THE MAGNIFICENT RECTOR
OF THE UNIVERSITY OF MILAN COD. ID:

The undersigned requests to be admitted to participate in the public selection, based on qualifications and exams, for the awarding of a research grant at the Department of Department of Economics, Management, and Quantitative Methods (DEMM)

Principal Investigator: _____ LUCA Rossini _____

[First and last name]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Saleem
Name	Sehar

CURRENT OCCUPATION

Assignment	Structure
Lecturer	University Lecturer Full time, permanent post

EDUCATION

Title	Course of study	University	Year of graduation
Master's degree or equivalent	MS (Statistics)	Uppsala University	2011
Specialization	Nil		
PhD	Statistics	University of the Punjab	2021
Master	M.Sc. Statistics	University of Agriculture	2008
Medical Postgraduate Diploma	Nil		
European Postgraduate Diploma	Nil		
Other	Nil		

REGISTRATION WITH PROFESSIONAL ASSOCIATIONS

Registration date	Order	City
	Nil	



FOREIGN LANGUAGES SPOKEN

languages	level of knowledge
English	Proficient

AWARDS, RECOGNITIONS AND SCHOLARSHIPS

year	Award Description
2008	Merit scholarship in MSc. Statistics from the University of Agriculture Faisalabad
2014	Merit scholarship in PhD. Statistics from the University of Punjab Lahore
2022	Won Research Productivity Award (RPA) for the publications of the year 2021.
2021	First Prize won by BS research student in poster competition “Let the Data Speak” held at 27 th Oct 2021, in LCWU
2023	Participated in the research poster competition with theme “Global Engagement Day: Embracing Diversity, Building Unity (Equity, Diversity and Inclusion) at LCWU on 15 December 2023.

TRAINING OR RESEARCH ACTIVITIES

Business description

PROJECT ACTIVITY

Year	Project
2022	Statistical consultancy was provided to Dr. Sumera Sattar from the Department of Physical Health and Education, LCWU for her PhD Thesis titled “Reliability and validity of aerobic and anaerobic field test in measuring sports performance” in 2022.
2022	Statistical consultancy was provided to Dr. Nazli Shujaat from the Department of Community and Preventive Dentistry, Lahore Medical & Dental College (LMDC) for her research project titled “Effect of Oral Cancer on the Quality of Life” in 2022
2024	Statistical consultancy was provided to Ms. Muneeba Aziz from the Department of Pharmacy, University of the Punjab for her PhD Thesis titled “Preparation and Evaluation of Microparticles for Arthritis” in 2024.
2024	Statistical consultancy was provided to Dr. Siddique Akhtar from the Department of



	Physics, COMSATS for a research project titled “Assessment of the Moti Surface and Groundwater Quality using Entropy-weighted Quality Index and Electricity Resistivity Tomography, Northern Pakistan” in 2024.
--	---

OWNERSHIP OF PATENTS

Patent
Nil

CONGRESSES, CONVENTIONS AND SEMINARS

Date	Title	Seat
21-02-2022	Presented talk for LISA-LCWU, one day seminar on "Optimal Score functions for robust estimation of multilevel models in the presence of outliers" on 21-02-2022 at LCWU.	Resource person in seminar
19-12-2022	Presented talk as a guest speaker on the topic "Application of Statistics in Business Administration" on 19-12-2022 at University of Management and Technology (UMT)	Resource person in seminar
12/10/2021	Conducted a one-day workshop titled “Introduction to Mendeley: The reference manager Software” on 12 Oct 2021 at LCWU.	Resource person in workshop
20-21 Oct 2022	Conducted a two-day workshop titled “Reference Manager ‘Mendeley’ Software: Efficient Management of References and Citations” on 20 & 21 Oct 2022 at Lahore Medical and Dental College (LMDC).	Resource person in workshop
09/05/2024	Saleem S., Zahid R. A Comparative Study of Classical Techniques and Machine Learning Algorithms in Predicting Coronary Heart Disease Based on Dietary Intake. Paper Presented at 1 st International Conference on Statistical Sciences - May 9, 2024, Organized by Air University.	Oral presenter



09/05/2024	Saleem S., Mukhtar W. Assessing the Impact of Household Fuel Choices on Household Energy Expenditure using Machine Learning and Classical Approach: Evidence from Household Integrated Economic Survey (HIES) 2018-2019, Pakistan. Paper Presented at 1 st International Conference on Statistical Sciences - May 9, 2024, Organized by Air University.	Oral presenter
14-15 Dec, 2023	Saleem, S., Zahid R. Effect of social media advertisement on purchasing behavior: A response from female university students and faculty members. Paper Presented at 2 nd international Conference on recent Trends in Statistics & Data Analytics - December 14-15, 2023, Organized by School of Natural Sciences NUST 14-15 Dec 2023.	Oral presenter
12/11/2022	Saleem, S., Sarfraz, K. Determinants of Child Malnutrition using Anthropometric Indices: A Quantile Regression Analysis of Multiple Indicator Cluster Survey (MICS), Punjab, 2017-18, at the International Conference on Advances in Interdisciplinary Statistics and Combinatorics, at Department of Mathematics and Statistics, University of North Carolina, Greensboro on 12 November, 2022.	Oral Presenter (online)
12/11/2022	Saleem, S. Mukhtar W. Applying OLS method and Quantile Regression to Assess the Household Saving Behavior in Rural and Urban Areas of Pakistan: Evidence from PSLM/HIES (2018-19) at the International	Oral Presenter (online)



	Conference on Advances in Interdisciplinary Statistics and Combinatorics, at Department of Mathematics and Statistics, University of North Carolina, Greensboro on 12 November, 2022.	
9-10 March, 2022	Saleem, S., Ditta A. A. <i>Determining the Risk Factors of Coronary Heart Disease</i> . Paper Presented at 2 nd international Conference on Statistical Sciences-2022, GCU, Lahore 9-10 March 2022.	Oral Presenter
9-10 March, 2022	Saleem, S., Jamil, Z. <i>Association Between Symptoms and Causes of Valvular Heart Disease (VHD) in Adult Population</i> . Paper Presented at International Conference on Statistical Sciences with special reference to the Survival Data Analysis, GCU, Lahore 9-10 March 2022.	Oral Presenter
17-19 March 2022	Saleem, S., Sarfraz, K. <i>Determinants of child malnutrition using Anthropometric Indices: A Quantile Regression Analysis of Multiple Indicator Cluster Survey (MICS), Punjab 2017-18</i> . Paper Presented at 19th International Conference on Statistical Sciences, University of Agriculture, Faisalabad 17-19 March 2022.	Oral Presenter
22/12/2019	Saleem S., Shaukat M.R. <i>A Review and Empirical Comparison of Univariate Outlier Detection Methods</i> was presented at the 15th Islamic Countries Conference on Statistical Sciences (ICCS-15) in 22 December 2019.	Oral Presenter



8-10 Oct 2021	Saleem S., Nazir S. <i>Factors Affecting the Pregnancy Outcome Using Pakistan Maternal Mortality Survey (PMMS) 2019</i> in the AISC conference, University of North Carolina, Greensboro, USA on 8-10 Oct 2021	Oral Presenter (online)

BANNS

Books
Nil
[title, city, publisher, year...]

Journal articles
Selecting and Estimating Rank Score Functions Based on Residuals for Linear Mixed Models, Punjab University Journal of Mathematics, Lahore, Punjab University Press, 2020.
Efficient Rank-Based Analysis of Multilevel Models for the Family of Skew-t Errors, Pakistan Journal of Statistics and Operation Research, Lahore, Pakistan Statistical Society, 2021.
Development of New Robust Optimal Score Function for the Weibull Distributed Error Term in Multilevel Models, Mathematical Problems in Engineering, New York, Hindawi Publishing, 2021.
A Review and Empirical Comparison of Univariate Outlier Detection Methods, Pakistan Journal of Statistics, Lahore, Pakistan Statistical Society, 2021.
Development of a New Modified Hogg Type Adaptive Scheme for Multilevel Models with Diverse Error Distributions, Communication in Statistics: Theory and Methods, New York, Taylor & Francis, 2021.
A Novel Approach for Outlier Detection in Multivariate Data, Mathematical Problems in Engineering, New York, Hindawi Publishing, 2021.
Assessing the Household Saving Behavior of Urban and Rural Households in Pakistan: Evidence from PSLM/HIES 2018-19, Pakistan Journal of Humanities and Social Sciences, Lahore, Pakistan Journal of Humanities and Social Sciences, 2022
Clinical Risk Factors Affecting the Pregnancy Outcome using Pakistan Maternal Mortality Survey (PMMS) 2019, Pakistan Journal of Medical and Health Sciences, Lahore, Pakistan Medical Association, 202
Determinants of Rural Household Poverty in Pakistan with Multilevel Approach, Cogent Economics and Finance, London, Cogent Publishing, 2023.
Determinants of Stunting Among Children Under Five Years of Age: Evidence from Pakistan Demographic and Health Survey (2017-2018), Pakistan Journal of Medical and Health Sciences, Lahore, Pakistan Medical Association, 2023.
Determinants of Stunting Among Children Under Five Years of Age: Evidence from Pakistan Demographic and Health Survey (2017-2018), Pakistan Journal of Medical and Health Sciences, Lahore, Pakistan Medical Association, 2023.



Gender Equality in Sports Participation: A Case Study of Transgender Athletes, Journal of Positive School Psychology, Los Angeles, Positive Psychology Publications, 2023.
Gender Equality in Sports Participation: A Case Study of Transgender Athletes, Journal of Positive School Psychology, Los Angeles, Positive Psychology Publications, 2023.
OHRQOL: Psychosocial & Physical Functioning in Oral Cancer Patients, Pakistan Oral & Dental Journal, Lahore, Pakistan Dental Association, 2023.
Evaluating Risk Factors for Coronary Heart Disease Among Adults Aged 26-45: A Study from Punjab, Pakistan, Journal of Statistics, Lahore, Lahore University Press, 2024.
Assessment of Water Quality Using Entropy-Weighted Quality Index, Statistical Methods, and Electrical Resistivity Tomography, Moti Village, Northern Pakistan, Journal of Contaminant Hydrology, Amsterdam, Elsevier, 2024.
Working Paper: A Comparative Study of Classical Techniques and Machine Learning Algorithms in Predicting Coronary Heart Disease Based on Dietary Intake, Lahore, Lahore University, 2024.
Working Paper: Assessing the Impact of Household Fuel Choices on Household Energy Expenditures Using Statistical and Machine Learning Approach: Evidence from Household Integrated Economic Survey (HIES) 2018-2019, Pakistan, Lahore, Lahore University, 2024.
Submitted: Effect of Social Media Advertisement on Purchasing Behavior: A Response from Female University Students and Female Faculty Members, Journal of Statistics, Lahore, Lahore University, 2024.
Under Review: Determinants of Social and Behavioral Factors Associated with Drug Abuse Among People in Rehabilitation Centers in Lahore, Lahore, Lahore University, 2024.

Conference proceedings
Nil
[title, structure, city, year]
[title, structure, city, year]

OTHER INFORMATION

<p>Workshops Attended:</p> <ul style="list-style-type: none">▪ Attended the workshop titled “Data Visualization & Optimization of Generalized Models through MATHEMATICA”, LISA-LCWU by Lahore College for Women University in Feb 2020.▪ Attended the workshop titled “Training Workshop on Promoting Positive Parenting, 25-01-2019” organized by Sports department LCWU.▪ Attended the workshop on “Tidyverse for Data Science” on 02-06 Nov 2020 at LCWU conducted by department of Statistics.▪ Attended workshop on “Structural Equation Modelling, Mediation and Moderation Analysis using AMOS and the PROCESS Macro for SPSS” from 21-22 Oct 2020 at LCWU conducted by department of Statistics.▪ Attended a webinar entitled “Statistics: Solution to Interdisciplinary Research Problems” conducted by department of Statistics on 23 Oct 2020▪ Attended the workshop on “Advance your analysis skills and graphing solution in scientific research with GraphPad PRISM” on 19 Oct 2020 at LCWU conducted by department of Statistics.
--



- Attended the workshop on “LaTeX” on 22 - 25 February 2021, LCWU.
- Workshop on “Analysis of Survey Data from Complex Sample Designs with SPSS” on 29-06-2021 at LCWU
- Attended a two-day workshop on “Structural Equation modeling using AMOS” on 15-16th April 2023
- Attended a workshop on “Machine Learning Techniques: Theory and Implementation” at LCWU on 5-9th June 2023.
- Attended a training of HESSA on “Faculty Development for Supporting Student Societies” at UET on 5-6 December 2023.
- Attended a workshop on “Spatial Analysis” at LCWU on 4-6th December 2023.
- Attended a workshop on “Study Design and Sample Size Calculation” at LCWU on 29th November 2023.
- Attended a training of HESSA on “Faculty Development for Supporting Student Societies” at UET on 17th January 2024.

Seminars Attended:

- Attended a one-day seminar on “Application of Statistics Methods in Bio-Science & Management Sciences” on 26 March 2018 at LCWU.
- Attended a one-day seminar on “How Statistics Specialists Can Help in Medical Research” on 15th July 2021
- A one-day seminar attended titled “Analysis of Categorical Response Variable using SPSS” on 22nd June, 2022 arranged by Department of Statistics.
- Attended a seminar on “Self-assessment Tool for Quality and change” at LCWU on 22 June 2023.
- Attended a one-day seminar on “Availability of Data for Research” on 2nd August, 2023 at LCWU.
- Attended a one-day seminar on “Unlocking insights: How statistics drives successful research” on 16 Dec, 2024 at LCWU.

Theses Supervised

Undergraduate: (BS)

- “A Review and Empirical Comparison of Univariate Outlier Detection Methods” MahRukh Shaukat; 2019
- “Factors Affecting Pregnancy Outcome in Using Pakistan Maternal Mortality Survey (PMMS) 2019” Sana Nazir; 2021
- “Effect of Social Media Advertisement on Purchasing behavior: A response from Female Students and Faculty members of Public Sector Universities in Lahore” Sehar Imran; 2023

Graduate: (MS)

- MS thesis successfully supervised “Determinants of stunting among children



under five years of age evidence from Pakistan demographic and health survey (2017-2018)” by Kiran Sarfraz in 2023

- MS thesis successfully supervised “A Comparative Study of Classical Techniques and Machine Learning Algorithms in Predicting Coronary Heart Disease Based on Dietary Intake” by Rimsha Zahid in 2024
- MS thesis successfully supervised “Assessing the Impact of Household Fuel Choices on Household Energy Expenditure using Machine Learning and Classical Approach: Evidence from Household Integrated Economic Survey (HIES) 2018-2019, Pakistan” by Warda Mukhtar in 2024

The declarations made in this curriculum are to be considered issued pursuant to art. 46 and 47 of Presidential Decree no. 445/2000.

This curriculum does not contain sensitive data and judicial data referred to in art. 4, paragraph 1, letters d) and e) of Legislative Decree no. 196 of 30.6.2003.

WE REMIND YOU THAT **THE CURRICULA WILL BE MADE PUBLIC on the University website** and therefore please do not enter sensitive and personal data. This model is already pre-built to meet the need for publication without sensitive data.

Therefore, please **DO NOT SIGN** this form.

Place and date: _Lahore_, _23-12-2024_