

PERSONAL INFORMATION



EDUCATION

2021 – 2023


2016 – 2020


RESEARCH WORK AND PUBLICATIONS

MUHAMMAD AKHLAQ

Date of Birth: 03th March 1995

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 Mohalla Ghorizi, Village Mandoori, Tehsil Lachi and District Kohat, KPK

Additional Information:

- Nationality: Pakistani
- Marital Status: Single

Quaid-I-Azam University, Islamabad

M.Phil in Statistics

CGPA: 3.3/4.00

Grade: B

COURSES:

Machine Learning, Bio-Statistics, Descriptive Statistics, Inferential Statistics, Regression Analysis, Time Series Analysis, Non-Parametric Test, Clinical Trial, Probability and Probability Distribution.

Kohat University of Science and Technology (KUST), Kohat, KPK, Pakistan.

BS(hons) in Statistics

Rank: 1st Position in department of Statistics

CGPA: 3.3/4.00

Grade: B

Title:

Prediction of Consanguinity Marriages in various regions of Pakistan using Machine Learning Algorithms.

Synopsis:

This research project aims to predict the likelihood of consanguinity marriages in different regions of Pakistan by leveraging various Machine Learning algorithms. Consanguinity marriages, which involve unions between close relatives, are prevalent in many regions of Pakistan. The study will utilize demographic data, socioeconomic indicators, and cultural factors as input features to train the Machine Learning models.

Supervisor:

Name: Dr Ijaz Hussain

Designation: Professor in Quaid-i-Azam University, Islamabad, Pakistan

Publications:

- Based on above research, an article titled , "Assessing the Consanguineous Marriage in two distincts of Pakistan using Machine Learning Algorithms for external Validation" has been submitted.
- **Machine learning-based prediction of consanguineous marriages and inbreeding coefficients for genetic disease risk assessment in Mardan district, Khyber Pakhtunkhwa, Pakistan. (Under the process)**
- **Predicting water quality classes in the districts of Khyber Pakhtunkhwa, Pakistan using a supervised machine learning algorithm. (Under the process)**

SOFTWARES AND SKILLS

- R-Programming
 - Python
 - Statistical Package for Social Science
 - MS.Office
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HOBBIES & INTERESTS

- Badminton
 - Volleybal
 - Cricket
-

LANGUAGES

- English
 - Urdu
 - Pashto
-

References

- **Reference 1:**

Name: Dr. Ijaz Hussain

Designation: Professor and Chairperson

Department: Quaid-i-azam university Islamabad Pakistan.

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- **Reference 2:**

Name: Dr. Sajid Ali

Designation: Associate Professor

Department: Quaid-i-azam university Islamabad Pakistan.

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- **Reference 3:**

Name: Dr. Akber Ali Khan

Designation: Asssistant Professor

Department: Government Postgraduate college kohat Pakistan.

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