#### PERSONAL INFORMATION



**EDUCATION** 

2021 - 2023

2016 - 2020

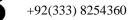
RESEARCH WORK AND PUBLICATIONS

## **MUHAMMAD AKHLAQ**

Date of Birth: 03thMarch 1995



akhlaqdanish5@gmail.com





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

Additional Information:

Nationality: PakistaniMarital 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, Rgression Analysis, Time Series Analysis, Non-Perametric Test, Clinical Trail, 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

# HOBBIES & INTERESTS

- Badminton
- Volleybal
- Cricket

### LANGUAGES

- English
- Urdu
- Pashto

#### References

#### • Refrence 1:

Name: Dr. Ijaz Hussain

**Designation:** Professor and Chairperson

Department: Quaid-i-azam university Islamabad Pakistan.

**Phone:** +923008845284

Email: ijaz@qau.edu.pk

#### • Refrence 2:

Name: Dr. Sajid Ali

**Designation:** Associate Professor

Department: Quaid-i-azam university Islamabad Pakistan.

**Phone:** +923016869239

Email: sajidali@qau.edu.pk

## • Refrence 3:

Name: Dr. Akber Ali Khan

**Designation:** Asssistant Professor

**Department:** Government Postgraduate college kohat Pakistan.

**Phone:** +923459796413

Email: akhan@stat.qau.edu.pk