Acheampong Andrews

Statistician

P.O. Box UP 93, KNUST. Kumasi, Ghana.
+233 (543) 688-747
acheampongandrews1999@gmail.com
portfolio website
github repositories

UNDERGRADUATE RESEARCH

AUG, 2024 (LINK)

"Predictive Analytics for Kidney Disease Progression"

seeks centers on leveraging predictive analytics and statistical methods to enhance the understanding and management of Chronic Kidney Disease (CKD). Through the analysis of extensive clinical datasets, including demographics and medical history, the study aims to identify patterns and correlations crucial for developing accurate prognostic models. By integrating statistical methods, the project seeks to establish risk factors and contribute to the creation of efficient tools for assessing CKD progression. The ultimate objective is to enable early intervention, tailor treatment plans, and improve overall CKD management. This work aligns with the emerging trend of data-driven healthcare, fostering proactive and personalized strategies in CKD care.

PROJECTS

MAR, 2024 (LINK)

African Leadership Group (ALX)
Bible Block Web App

Bible Block represents my individual research and portfolio project, a pivotal requirement for the successful completion of the Software Engineering program at ALX. The primary objective of this project is to develop a user-friendly platform facilitating exploration, reading, and active engagement with the rich content of the Bible.

DEC, 2023 (LINK)

Udemy
Explore COVID-19 pandemic in US

In the face of the global COVID-19 pandemic, our collective resilience has been tested. From adapting to new norms of social distancing to the rapid development of vaccines, communities worldwide have demonstrated strength and solidarity.

JUL, 2022 (LINK)

Udacity
TMDb-movie-Data-Analysis

This project explores a dataset containing details of 10,000 movies from The Movie Database (TMDb). The main goals are to find the genre with the highest votes, identify the most popular genres, and pinpoint those generating the highest revenue. To meet these goals, I thoroughly examined and refined the dataset, ensuring it was well-organized for analysis. The visualization part utilized Matplotlib, a robust plotting library, to create insightful graphs.

OCT, 2022 (LINK)

Udacity
Communicate-Data-Findings

This project analyzes a bike-sharing dataset in the San Francisco Bay area. It involves processing datetime data, handling missing values, and exploring the relationships between variables like duration seconds, bike ID, member gender, and bike sharing. Key insights focus on these variables, highlighting patterns and influences. The goal is to provide concise visualizations and findings for effective communication and decision-making in the context of the bike-sharing system.

EDUCATION

Full Stack Software Engineering
NOV, 2022 – PRESENT
Back End
African Leadership Group (ALX)

Bioinformatics
APR, 2024 – PRESENT
Theory and Practical
Udemy

Bachelor of Statistics
JAN, 2021 – AUG, 2024
Department of Statistics and Actuarial Science
Kwame Nkrumah University of Science and Technology

Data Science
APR, 2024
R (tidyverse)
Udemy

Nanodegree Data Analyst
APR, 2022
Python
Udacity

EXPERIENCE

Research & Teaching Assistant
Oct, 2024 - Present
Department of Statistics and Actuarial Science
Kwame Nkrumah University of Science and Technology

Basic Molecular Biology Module 3
Sep, 2024
Nucleic Acid Extraction
CDC DIVISION OF LABORATORY SYSTEM

Basic Molecular Biology Module 1
Sep, 2024
Basic Science
CDC DIVISION OF LABORATORY SYSTEM

Data Analyst - Internship
Aug, 2022 – Dec, 2022
University Hospital (KNUST)

Data Science Boot-camp
Feb,2022 – Apr, 2022
PyData Ghana

SKILLS

INTERMEDIATE	HTML, CSS
EXPERT	Python, C, DevOps, R, LaTeX
	JavaScript, SQL

CONSULTING EXPERIENCE

SEP, 2024 (LINK)

Undergraduate Student, UNER
Evaluating Pentadesma for Diabetic Wound Healing.

This study investigates the topical efficacy of Pentadesma butyracea seed powder on diabetic wound healing in rats, with the ultimate goal of identifying a potential therapeutic agent for enhanced wound management in diabetic patients.

MAY, 2024 (LINK)

Graduate Student, KNUST
Salmonella Typhi Detection in Environmental Water

This study aimed to identify environmental factors influencing Salmonella Typhi detection in water samples. Through data visualization, summary statistics, and logistic regression modeling, the analysis revealed associations between water physicochemical parameters (e.g., temperature, pH), rainfall, and wastewater characteristics, providing insights into the environmental conditions conducive to Salmonella Typhi presence.

MINI PROJECT

APR, 2022 (LINK)

PyData Ghana
Scripting

In this project, we utilized Selenium, a powerful web automation tool, to script data extraction from the yarnplaza.com website. The focus was on gathering essential information such as Brand, Name, Price, Needle Size, and Composition of various products available on the platform. The extracted data was organized and stored in a structured format within a DataFrame, which was then saved as a CSV file named "Data Gathering1.csv."

REFERENCES

Mr. Isaac Akpor Adjei

POSITION Senior Lecturer
EMPLOYER Department of Statistics and Actuarial Science
Kwame Nkrumah University of Science and Technolog

EMAIL iaadjei.sci@knust.edu.gh
MOBILE +233 20 519 0049