BASSI HEMAN GANA

Apartment 1 Peace Apartments plot 375 Jahi district Abuja.

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CAREER OBJECTIVE

PERSONAL INFORMATION

- Date of Birth   22nd Feb 1986
- Sex   Male
- Marital Status   Married
- State of Origin   Borno State
- Nationality   Nigerian

WORK EXPERIENCE:

Jan 2014-2015 Ecobank Nigeria plc

- Teller/FT officer

2009 – 2011 Society for Family Health and Inter Faith Peace Foundation (FBO)

- Program officer

TRAINING & DEVELOPMENT

2016 - Microsoft Technology Associate (MTA) certifications (410).

2010 –Society for Family Health (SFH)

Training on Malaria prevention and treatment

2010 –Society for Family Health (SFH)

Workshop on documentation/ sustainability for CBO's

2009 – Society for Family Health (SFH)

Management and supervision on CIHPAC project

CERTIFICATES OBTAINED

Massachusetts Institute of Technology, Applied Data Science Program (2021 – 2022)

Post Graduate Program in Data Science and Business Analytics (2020

Embedded system design using c programming language   (2013)

Training on Malaria prevention and treatment   (2010)

Workshop on documentation/ sustainability for CBO's   (2010

Management and supervision on CIHPAC project.   (2009)

EDUCATION

- University of Portsmouth, MSC DATA ANALYTICS (DISTANCE LEARNING) 2021-2023
- Massachusetts Institute of Technology(MIT), Applied Data Science Program 2021-2022

- Post Graduate Program in Data Science and Business Analytics 2020, Texas McCombs School of Business, The University of Texas at Austin.
- HND Computer Engineering, Kaduna Polytechnic, Nigeria   (2014-upper credit)
- ND Computer Engineering, Kaduna Polytechnic, Nigeria   (2008)
- Secondary School Certificate Examination, Federal Government Collage Daura Katsina-Nigeria (2002)
- Primary School Certificate, Bayero University Staff Model Primary School (1996)

LANGUAGES: English Hausa

COURSE PROJECTS (Massachusetts Institute of Technology, Applied Data Science Program 2021-2022)

Oct'21
Building a recommendation system to recommend the best Amazon products to the users

Course Recommendation Systems

This project involves recommending the best amazon products available to the users by using some recommendation systems techniques.

Skills and Tools

Rank Based Recommendation Systems, Similarity Based Recommendation Systems, Matrix Factorization Based Recommendation Systems

Recognizing the Street View Housing Number Digit using Neural Networks

Course Deep Learning

This project involves recognizing the street view housing number digit by using artificial and convolutional neural networks.

Skills and Tools

Artificial Neural Networks, Convolutional Neural Networks

Predicting the eligibility of bank customers for a loan and forecasting the stock prices

Course Practical Data Science

The first part of the project involves predicting the eligibility of the bank customers for a loan by using classification algorithms. The second part involves forecasting the stock prices for the next 24 months using time series.

Skills and Tools

Decision Trees, Random Forest, Time Series

Predicting the Boston house prices and eligibility of bank customers for a loan

Course Machine Learning

The first part of this project involves predicting the house prices based on the features of the locality using regression techniques. The second part involves predicting the loan eligibility of bank customers using classification algorithms to help the bank prevent potential losses, and focus more on eligible customers.

Skills and Tools

Linear Regression, Logistic Regression, kNN

Applying dimensionality reduction on the auto-mpg dataset and doing bank customer segmentation

Course Data Analysis & Visualization

The first part of this project involves exploring the auto-mpg dataset by applying dimensionality reduction techniques and visualizing the data in lower dimensions to extract insights. The second part involves segmenting the bank customers to help the bank upgrading the service delivery model and ensure that customers queries are resolved faster

Skills and Tools

PCA, Clustering, tSNE

Analyzing the marketing campaigns to help CMO devise the next strategy

Course Foundations for Data Science

This project aims to analyze marketing data and address some important business problems/questions related to customer demographics, product preferences, channel performances, etc.

Skills and Tools

Exploratory Data Analysis, Data Visualization, Statistics

CAPSTONE PROJECT (Post Graduate Program in Data Science and Business Analytics)

Falcon Airline Passenger Satisfaction Prediction

Domain

The project involves predicting if a customer will be satisfied given the feedback from the survey.For this, multiple models such as KNN, Naive Bayes, Logistic Regression have been created and explored to check their model performance metrics. Bagging and Boosting modeling procedures have also been applied to create the models. It was found that the Single CART decision tree outperformed other modeling techniques.Businesses use these supervised machine learning techniques like Decision trees to make better decisions and make more profit.

Skills and Tools

Logistic Regression, Ensemble, CART, Data Visualization, Exploratory Data Analysis

COURSE PROJECTS

Nov'20
Visualizing Insurance Claims using Tableau

Course Data Visualization in Tableau

This project explored the art of problem solving with the aid of visual analytics. The Data visualization tools in Tableau were used to create interactive dashboards to provide high level insights to the CEO of an Insurance company in order to drive the company's policy making process.

Skills and Tools

Business Intelligence, Tableau, Dashboard designing
Oct'20
Choosing preferable mode of transport by employees

Course Predictive Modeling

The project involves deciding on the mode of transport that the employees prefer while commuting to office. For this, multiple models such as KNN, Naive Bayes, Logistic Regression have been created and explored to check their model performance metrics. Bagging and Boosting modeling procedures have also been applied to create the models.

Skills and Tools

KNN, Naive Bayes, Logistic Regression, Bagging and Boosting
Aug'20
Identifying potential customers for loans

Course Machine Learning

Identified potential loan customers for Thera Bank using classification techniques. Compared models built with Random Forest and Decision Trees in order to select the best performing one.

Skills and Tools

Business Analytics, Model Performance, Classification & Regression Tree, Random Forest
Jul'20
Analysis on variance of temperature maintenance and hypothesis testing

Course Fundamental of Business Statistics

A project related to retail operations setting where analytics is used to aid in the decision making using hypothesis testing and ANOVA as a tool.

Skills and Tools

Hypothesis Testing,Probability, Normal Distribution, Descriptive & Inferential Statistics, ANOVA
Jun'20
Cardio Fitness Analysis Using R

Course Introduction to R for Analytics

Cardio fitness data of about 180 people were provided using various cardio fitness products. The objective was to study and analyze which of the products is effective in terms of fitness and usage. The project involved interpretation of statistical output to generate managerial recommendations, using regression as a prediction device and most importantly evaluating and choosing alternative statistical models.

Skills and Tools

Bi-Variate analysis, Univariate analysis, Variable Identification, Missing Value Treatment,etc..

INTEREST
- Studying.
- Meeting People
- Travelling.
- Cooking

Referees:

Available upon request.