

Amy Maame Amanpene, MS

DATA ANALYST

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• github: [kyerewaa89](https://github.com/kyerewaa89) • Legal Status: Lawful Permanent Resident

Education

MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY

Rolla, MO

MS Geological Engineering, GPA: 3.6 / 4.0

January 2016 – December 2017

Graduate Certificate, Project Management, GPA: 3.5 / 4.0

August 2016 - July 2017

KNUST (Ghana) - *BS Civil Engineering*

August 2008 - June 2012

Selected Personal Projects

Concrete Curing Analytics (URL: https://github.com/kyerewaa89/concrete_strength): Developed simple regression and random forest models for predicting concrete strength based on concrete constituents and manufacturing practices, using MS Excel and DataRobot, with a value of 0.95 (RMSE = 3.56). Performed descriptive analytics and created visualizations to communicate results using Power BI, Tableau and PowerPoint.

Titanic Survival Analytics (URL: https://github.com/KYEREWAA89/titanic_survival_analysis): Developed a logistic regression model in MS Excel using the titanic data set for predicting the probability of passenger survival with 86.2% accuracy. Performed various data wrangling techniques (missing data handling, feature selection, feature transformation, feature engineering etc.) using MS Excel and Trifacta. Performed descriptive analytics and created visualizations to communicate results using Power BI, Tableau and PowerPoint.

Work Experience

DISTINCT ENGINEERING SOLUTIONS INC.

North Brunswick, New Jersey

Engineering Analyst

January 2018 – June 2018 (6 months)

Performed data wrangling on geotechnical and construction data. Conducted engineering analyses using gINT and MS Excel as well as coordinated logistic plans and performed inventory management. Ensured quality assurance. Created visualizations to communicate analyses and recommendations using Tableau. Presented and explained technical recommendations to multi-disciplinary audiences. Reviewed and documented work progress.

UENR – GHANA

Sunyani, Ghana

Project Analyst / Engineer

December 2012 – November 2015 (3 years)

Conducted water supply, water quality and waste management surveys to collect environmental data. Performed data wrangling and environmental analyses. Created visualizations using SPSS and MS Excel. Prepared monthly PowerPoint presentations and reported project progress to stakeholders. Prepared progress reports and final project documentation.

Technical Skills

Communication & Reporting: MS PowerPoint, MS Word, MS Outlook

Visualization & Analytics: Tableau, Power BI, MS Excel, SPSS

Data Wrangling & Storage: SQL (MySQL), Trifacta

Project Management: MS Project, Primavera

Other skills: DataRobot, MS Visio, MS Dynamics

Profile Summary (per advertised job requirements – Data Analyst I @ UnitedHealth Group)

- 2+ years of reporting and analysis experience
- Proficient in MS Excel (Pivot tables and V-Lookups)
- Familiar with SQL and reporting tools such as Tableau and Microsoft PowerBI
- Able to develop, perform and manage the analyses of business operations and financial metrics as well as performance measures.
- Able to develop templates and facilitate consolidations of business metrics and information
- Able to develop and maintain internal and external reports to clearly communicate actual results, forecasted performance; and variances to plan, forecast and budget
- Able to ensure high quality and on - time delivery of all reports and metrics
- Able to work closely with the all business areas to develop, recommend and establish strategies, plans and processes to improve profitability and operational efficiencies
- Strong passion for analytics innovation in the healthcare industry