

AMANUEL GHEBREAB

STATISTICIAN AND DATA
SCIENTIST

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[LinkedIn](#)

[GitHub](#)

[Portfolio Site](#)

EDUCATION

Data Science | 2019 – 2020
Thinkful

Data Science | 2016 - 2017
Johns Hopkins University via
Coursera

**BSc, Statistics Major, Minor
in Computer Sci.** | 2002 – 2006
University of Asmara, Eritrea

SKILLS

Statistics and analytics:

Inferential statistics, ANOVA,
Experimental Design and A/B
Testing, Reproducible
Analytics, Exploratory Data
Analysis, Time-series Analysis

supervised Learning: Linear
and Logistic Regression and
Classification, **Unsupervised
Learning:** Clustering,
Dimension Reduction, Deep
Learning, Neural Networking,
Other: NLP, Web Scraping.

TOOLS

Python for data science, SQL,
Plotly Dash, Markdown,
Git, R, Jupyter Notebook,
JavaScript, CSS, HTML, Cspiro,
SAS, SPSS, Google Collab.

SUMMARY

I am a Statistician specialized in data science proficient in statistical principles, data manipulation and machine learning algorithms. I have 12 years of experience in data analysis and general management, which leveraged me to develop my Python, machine learning, and SQL skills to a competent level. I also have a strong background and interest in experimental design and A/B testing. I also have valuable knowledge of the financial industry. Currently, I have been working as a security supervisor at PG&E headquarters since April 2017 alongside my apprenticeship in Data Science at Thinkful.

RECENT PROJECTS

Tech: Jupyter notebook, Python libraries such as NumPy, pandas, matplotlib, sklearn, Spacy, SkLearn, RegEx(re), scipy, etc.

Project Name | [E-commerce Customer Segmentation:](#)

- Managed to successfully identify customer segments based on shopping behavior and validated the clustering model using powerful techniques to confirm my findings.

Project Name | [Assessing the Likelihood of Credit Card Payment Default:](#)

- Developed a robust model as to whether to approve or disapprove credit for a client using a random forest supervised learning model.

Project Name | [Movie Recommender:](#)

- Developed movie Recommendation system by using several features including extracting information out of text reviews using NLP techniques and applying the K-means Clustering algorithm to identify patterns and group users' movies taste.

EXPERIENCE

THINKFUL - Data Science

May 2019 – Mar 2020

- Learned industry best practices and modern data science standards alongside a senior data scientist mentor.
- Developed and presented projects involving exploratory data analysis, data cleaning, machine learning, statistical modeling, study design, statistics, and probability.

Acropole General Trading Ltd.

Oct 2013 – Jan 2016

General Manager

- Improved the company's sales and service by optimizing resources, especially on the Hotel and Restaurant subsidiary.
- Increased management's effectiveness by recruiting, selecting, orienting, training, coaching, counseling, and disciplining managers; communicating values, strategies, and objectives.

Optima Development and Investment Consulting Co. Ltd

Research Consultant

Jan 2012 – Sep 2013

- Designed questionnaires for surveys and developed data collection statistical methodologies from MS Access database to Cspiro package which is a very handy software for data entry and processing.
- Oversaw analyzing the results, writing reports, making recommendations based on the research findings and presenting the results to the client company.

Eritrean National Statistics Office

Statistics Instructor/Data Entry Supervisor

Aug 2006 – Oct 2011

- Trained data entry and survey crew statistical principles to improve team performance and work efficiency.
- Supervised data entry, batch cleaning, and analysis using CScpro and SPSS packages.