

# YORDANOS WOLDEBIRHAN

## DATA SCIENTIST

### Summary

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Knowledgeable and experienced in Data Analytics, Data Modeling, Data Visualization.

### Experience

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#### Metis Data Scientist Engineer

Remote  
Mar. 2021 to July 2021

Completed Metis's intensive data science and engineering bootcamp focused on Python programming, machine learning, statistical modeling, data visualization, project design, and communication. Select projects include:

**Movie revenue predictive model:** A linear regression model that predicts revenue using features budget, running-time, genre, distributor, rating .

**Dry beans Classification model:** A model that classifies dry beans into 7 registered categories to have uniform seed varieties for crop production . 14 features based on the structure, shape and form of the beans were used. KNN, Random forest and Naïve bay's models were used and the random forest had the best performance.

**Analysis of depression drug reviews by topic modeling:** a model created to find out the most concerning issues of patients taking depression medications from more than 7 thousand reviews by using NLP, Topic modeling. NMF algorithm was used and and topics with highest word and document expression were picked and analyzed in relation to ratings people gave along with each review.

#### Stellar IT solutions Data Analyst

San Jose, Ca  
Sept. 2018 to Feb. 2021

- Developed a pipeline to get data( a collection of motion sensor observations for exercise ) from AWS database for selected features and store it in CSV format in AWS s3 buckets.
- Data preprocessing - Checked for duplicates and missing values and clean the data by removing duplicates and replacing missing values by average values on python
- Performed Exploratory Data Analysis to check the relationship between frequency of exercise and age demography, performance evolution for users involved in the program
- Data Visualization using Tableau

#### Nazrawi general construction plc Construction project manager

Addis Ababa, Ethiopia  
Jan. 2016 to Aug. 2018

- Planned, Organized and Facilitated five multi million birr residential building projects; retained walls subcontract work for a real estate project and warehouse construction. Tasked with recruiting and hiring skilled construction workers
- Calculated the total cost of structural work including quality control, material, labor, unit price and overhead; finalized recommendations in a report for supervisor
- Managed schedules and budget
- Oversaw construction quality control including ensuring structural work is completed according to design and dimensions are correct; completed post construction inspections.
- Prepared bidding documentation for construction project competitions

### Contact

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🌐 YORDIBEWOL

### Education

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Lincoln University  
MBA(MIS) 2020

Addis Ababa University  
BS Civil Engineering 2015

### Skills

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#### PROGRAMING LANGUAGES

SQL  
Python  
HTML

#### LIBRARIES

Pandas  
Scikit-learn  
Numpy  
NLTK  
Beautifulsoup

#### MACHINE LEARNING

Regression  
Classification  
NLP  
Clustering

#### VISUALIZATION

Excel/PowerPoint  
Tableau  
Matplotlib  
Seaborn

#### DATABASES

SQL  
SQLite  
AWS  
Postgres