

DEDICATION

I am a complacent to my friends, lecturers, family members for their support, whether informational, financial, educational and physical or in any way.

This report courtesy of mentioned role players and I would love to dedicate my findings, experience and achievements to them

DanNewton Gatobu Mwenda

Software Engineer

Contact

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<https://github.com/DanGatobu>

Summary

Student at Murang'a University of Technology(Awaiting graduation) who loves learning and working with data which has led me to explore Python language to get insight into entry level in data cleaning, analysis and visualization and comfortable using Python Data libraries (NumPy, pandas, SciPy, matplotlib) and well conversant with python web frameworks (Django, Flask). I'm eager to apply my skills to real world business problems.

Education

BSC SOFTWARE ENGINEERING
Muranga University of technology
09/2020 - On Going

Skills

Programing
Python, NumPy,Pandas,Scikit
App Development
Django, Flask,PyQt6
Databases
PostgreSQL, Sqlachemy, IBM Cloud,
Django ORM,PyMongo
Visualization
Matplotlib, Seaborn, plotly
Code Management/Collaboration
Git
Github -[Link](#)

Hobbies

Football
Coding
Reading novels
Listening to music

Experience

INDUSTRIAL ATTACHMENT
APPKINGS Solutions | 05/2023 - 07/2023
Learnt How to use and install Microsoft dynamics 365 Business central.
Cleaned Excel data for entry
Entered Data through Dynamics BC
Clerk
IEBC | 08/2022 - 08/2022
Worked with others which bettered my collaboration skills

Certifications

Credly link-[Link](#)
IBM Data Science Professional
IBM Data Analysis with python
IBM Data Visualization with python

Strength

Loves Learning
Problem solving
Collaborating and team work

ABSTRACT

Sales forecasting is an important field in supermarkets, and it has recently got immense popularity to boost market operations and productivity due to new technologies. The industry has focused on conventional statistical model but in recent years, Machine learning techniques have received more attention.

The use of traditional statistical method to forecast supermarket sales has left a lot of challenges unaddressed and mostly result in the creation of predictive models that perform poorly.

The era of big data coupled with access to massive compute power has made machine learning a goto for sales forecast.

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The objective of this project is to develop a model for predicting sales in supermarkets keeping

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Using regression analysis on different variables such as supermarket type, product price and supermarket opening year are used to predict the sales.
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TABLE OF CONTENTS

DECLARATION.....	ii
DEDICATION.....	iii
ACKNOWLEDGEMENT.....	iv
ABSTRACT.....	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	ix
LIST OF TABLES.....	x
Dan Newton Gatobu Mwenda	
ACRONYMS AND ABBREVIATIONS.....	xi

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1.1: BACKGROUND INFORMATION

1.2: PROBLEM STATEMENT

1.3: OBJECTIVES

1.3.1: General Objectives.....

1.3.2: Specific Objectives.....

1.4: Significance of the study.....

1.5: Scope of the study

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09/2020 - On Going

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UPNINE SOLUTIONS | 05/2023 - 07/2023

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365 Business central

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IEBC | 08/2022 - 08/2022

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CHAPTER 2: LITERATURE REVIEW

2.1: INTRODUCTION

2.2: EXISTING SYSTEMS

2.2.1: Time series forecasting using Artificial Neural Networks Methodologies

2.2.2: Time series sales forecasting for short shelf-life food products based on ANN and

evolutionary computing

2.2.3: A survey of machine learning techniques for food sales prediction

2.2.4: Sales prediction for a pharmaceutical distribution company: A data mining based

approach

Code Management/Collaboration

2.2.5: Proposed System

2.3: Existing software design and development tools.....

2.3.1: Python Programming Language

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