



COLLEGE OF COMPUTING AND INFORMATION SCIENCES

DEPARTMENT OF NETWORKS

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING (YEAR 2)

RECESS TERM 2 (BSE 2301)

CONCEPT PAPER FOR:

ANALYSIS ON FIFA 18 DATASET

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Introduction

This concept paper is for a data analysis project to be conducted by Group 10 Software Engineering students at Makerere University. The analysis will be on FIFA 18 dataset.

Background

EA FIFA games are one of the most popular electronic games currently and we the members of this group enjoy the game. Due to the alignment between the love for this game and the need to carry out data analysis. Therefore, this project is about analyzing the data of the latest version of the game, FIFA 18

Data Science is currently one of fastest growing field in the technology world. This can be manifested by the so many scandals that have engulfed tech companies and the rush by governments to put in place regulations that can protect user data.

We therefore feel that investing our resources in data analysis is the way to go. Through this project we shall acquire the data analysis skills to propel us into the tech world.

The problem this project will address is the scarcity of Data Scientists in Uganda. This is because it will help us learn different techniques involved in data analysis.

General Objective

To analyze, visualize and predict

Specific Objectives

The specific objectives this project will achieve to accomplish the above goal are;

- Comprehensive and in-depth analysis of the FIFA 18 data
- Draw charts and graphs to aid in visual analysis
- Use the analysis outcome to make inferences and conclusions

Insights

The anticipated outcome resulting from this project is comprehensive report of analysis performed on the FIFA 18 dataset. This will be in form of numerical and graphical results like charts etc. Through this we shall have gained invaluable skills in the data analysis field

The methodology to be used to accomplish the above objectives are;

Use R Studio to perform statistical analysis on the dataset

Draw charts to visualize analysis

Get insights and make predictions using the different analysis conducted

References

<http://www.cit.mak.ac.ug/index.php/research/General-Documents-Graduate-Students/Concept-Paper-Format/>