A PROJECT PRESENTATION ON THE ZACRAC GRADING SHEET

PRESENTED

BY

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CHAPTER ONE

1.1   INTRODUCTION

This is a zacrac incubator grading sheet which was used for the data collection. To analyze the performance of the student in the programme. The data were being compiled into the Microsoft excel, which data cleaning and sorting were being carried out. There are errors in the data like names in capital letters, omitting of scores and so forth.

The data were being import into structured questionnaire language (SQL) through graphics user interface (GUI). Create tables and run the query for the questions.

1.2   RESEARCH QUESTIONS

Print out a table for the top 10 best students in the incubator program so far (use total your database query knowledge, perform the following analysis weekly score).

Do a comparative analysis of students' performance across the three classes (beautiful and well-interpreted visualization is required)

Visualize the performance of students based on their educational field or discipline.

Visualize the performance of students based on their state/region

Filter by Age, and compare the performance of students less than or equal to 25 years and those greater than 25 years (Visualization is also required)

1.3   OBJECTIVE

The main objective of this project is to,

- create the ERD diagram of the student grading sheet
- run a query of the top 10 student performance in the incubator program
- query and visualize the performance of students based on their educational field or discipline.
- query and visualize the performance of students based on their state
- Filter by age and compare the performance of the students less than or equal to 25 years and those greater than 25 years. (visualization is also required).

CHAPTER TWO

Table 1.   THE ER DIAGRAM
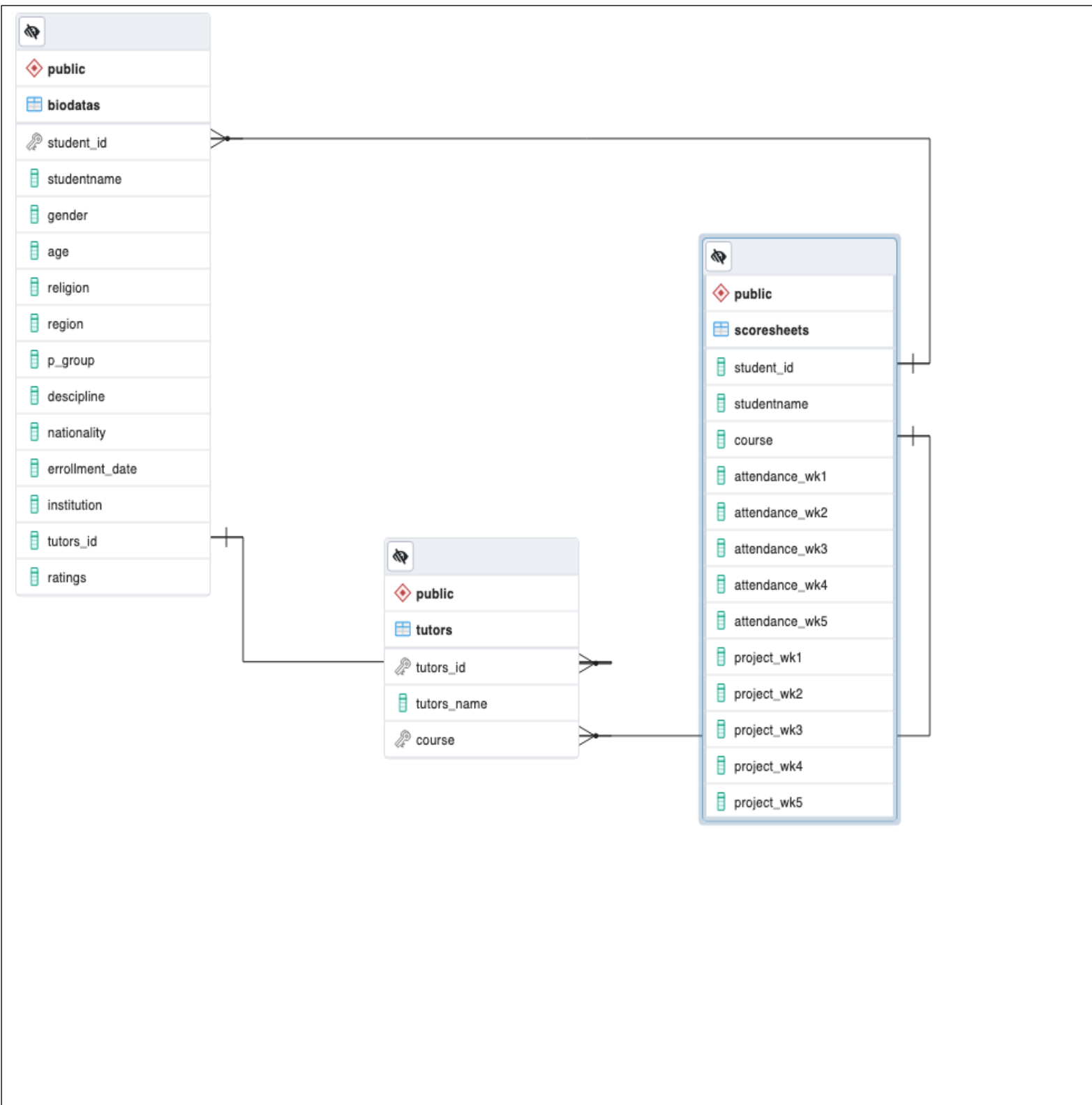
Entity Relationship Diagram, also known as ERD, ER Diagram or ER model, is a type of structural diagram for use in database design. An ERD contains different symbols and connectors that visualize two important information: **The major entities within the system scope**, and the **inter-relationships among these entities**.

And that's why it's called "Entity" "Relationship" diagram (ERD)!

When we talk about entities in ERD, very often we are referring to business objects such as people/roles (e.g. Student), tangible business objects (e.g. Product), intangible business objects (e.g. Log), etc. "Relationship" is about how these entities relate to each other within the system.

Used these is to kwon the relationship between the student, tutors and scoresheets. With the diagram above there is a relationship between the scoresheets and tutors table, also a relationship between the student biodatas and the tutors. The student id entity in the student biodata is linking to the student id in their scoresheets with one-to-many relationships.

CHAPTER THREE

3.1 DATA COLLECTIOS AND TOOLS

Data was collected through the aid of questionnaire and use of the school grading sheet.

TOOLS

- Excel
- Sql

Excel is used for data cleaning and sorting and the use of the pivot table and charts.

SQL is also used to create the tables and to run the queries to kwon the performance of the student and the ratings of the tutors by the students

CHAPTER FOUR

4.1   DATA ANALYSIS

4.2   Introduction

This chapter deals with the presentation and analysis of the result obtained through questionnaires. Their responses to the questions asked were formulated into a spreadsheet and analyzed using Microsoft excel and SQL. The data generated were used to construct tables and pie charts etc.

The analysis and visualizations of the dataset will be displayed according to the research objectives.

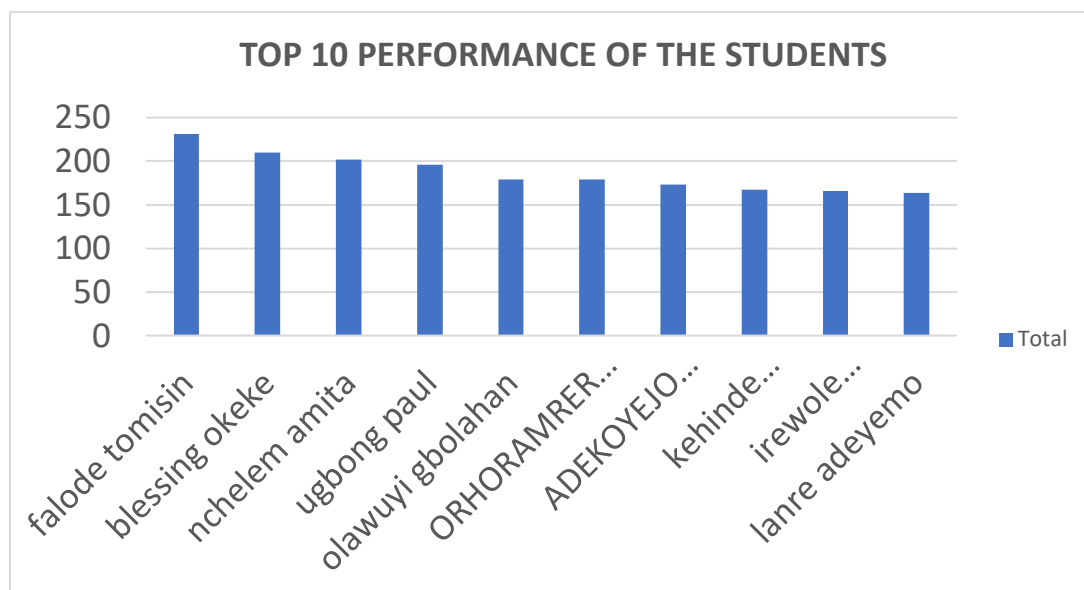4.3.1 THE TOP 10 STUDENT PERFORMANCE IN THE INCUBATOR PROGRAM

fig2: showing a bar chart of the top students in the programme

This result in fig 2 shows the top best students in zacrac incubator learning which comprises of Python, SQL, and Power BI. This shows that the tasks like classwork's and assignment given to the students had good impact on the performance of the students. Here it shows Falode tomisin has the best

performance   in   the   programme   so   far.

4.3.2. VISUALIZE THE PERFORMANCE OF STUDENTS BASED ON THEIR EDUCATIONAL FIELD OR DISCIPLINE.
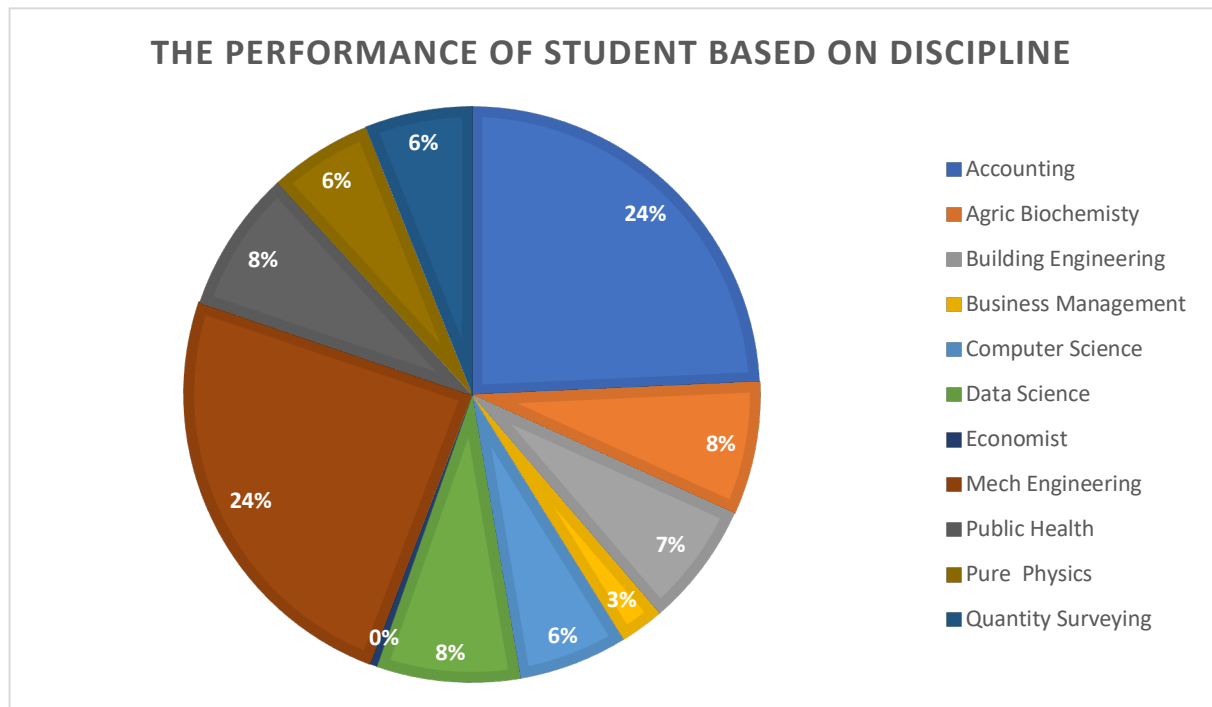

Fig3, showing the pie chart of student performance based on discipline

This visualization interprets the performance of the student based on the knowledge they had in their undergraduate days, the results is showing that student who has background of being a science student performed well.

4.3.3. QUERY AND VISUALIZE THE PERFORMANCE OF STUDENTS BASED ON THEIR STATE
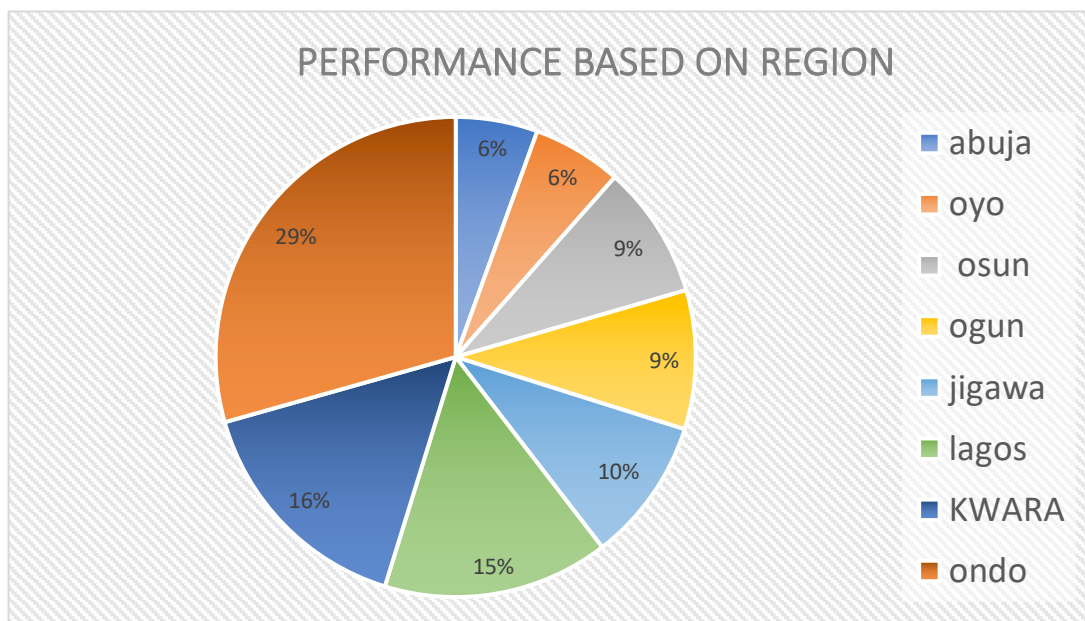

Fig4. Showing performance of student base on their region

This results shows their performance based on their region, how it affect there performances in the course of study. These shows that's majority that study from Ondo state performed well enough than the rest with the percentage of 29% followed by Abuja state.

4.3.4. FILTER BY AGE AND COMPARE THE PERFORMANCE OF THE STUDENTS LESS THAN OR EQUAL TO 25 YEARS AND THOSE GREATER THAN 25 YEARS. (VISUALIZATION IS ALSO REQUIRED).

COMPARISION OF THE STUDENTS PERFORMANCE LESS THAN OR EQUAL TO 25 YEARS AND THOSE GREATER THAN 25 YEARS
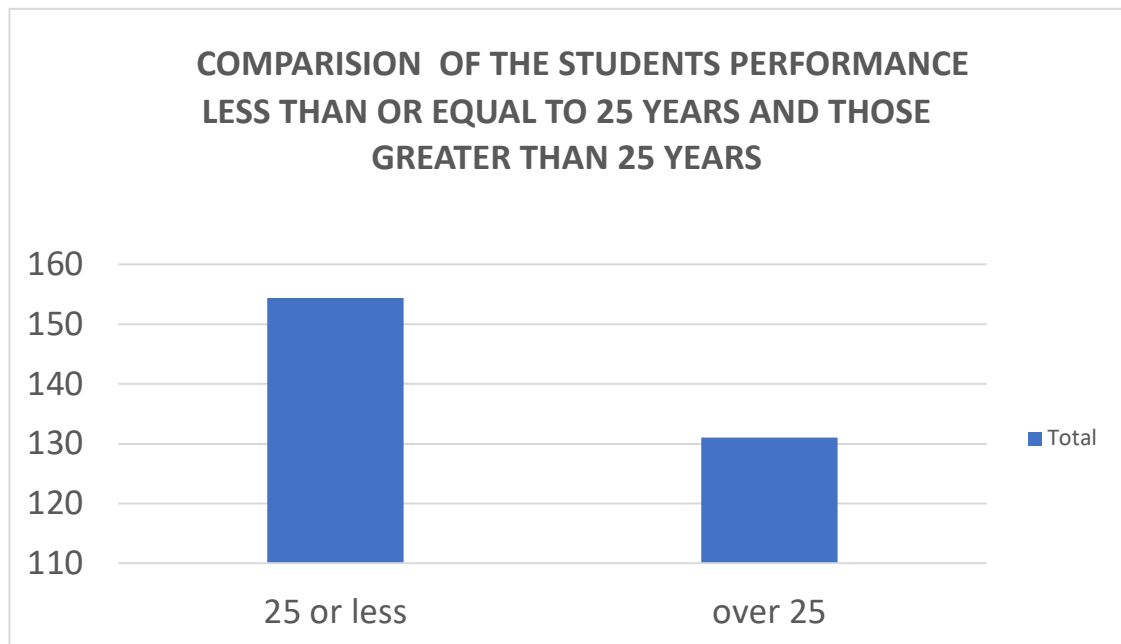
Fig5. Showing the age comparison of the student above and below 25.

This result indicate the student who are 25 above or less that performed most in the training, moreover it shows here that students whose age are less than 25 perform greatly than those of 25 above, this might be those whose age are less are more eager to learn than the older ones, attending class often, partaking in class activities e.t.c.

CHAPTER FIVE

5.1   CONCLUSION AND RECOMMENDATION.

The objective of this study were as follows:

- Run a query of the top 10 student performance in the incubator program
- Query and visualize the performance of students based on their educational field or discipline.
- Query and visualize the performance of students based on their state
- Filter by age and compare the performance of the students less than or equal to 25 years and those greater than 25 years. (visualization is also required).

Findings from the study revealed the following

The top 10 student in the programme perform well in the training see table 1

The students which are science perform very well in the programme.

Based on their region it shows student from Ondo had great impact in knowledge in the training.

This also interpret that student whose age are below 25 are more versatile and eager to learn and assimilate than those above 25 years of age.

5.2   RECOMMENDATION

As a result of our findings from the survey, the following are recommended.

The students should participate in the ongoing classwork's, assignment and careers shows which will help them more in learn. Also, to focus on learning and have time for classes.

More classwork and assignment should be given to the student to test there knowledge in the training.