

## **DATA ANALYSIS PORTFOLIO**

### **Professional Background:**

I am a graduate of Obafemi Awolowo University from the department of International-Relations, human resource professional certified and license by Chattered Institute of Personnel Management of Nigeria and also, health and safety officer with International general certification in occupational Health and Safety under the National Examination Board in Occupational Safety and Health United Kingdom.

I have been in the managerial corridor over the years in the financial sector, managing numerous employees, keeping and managing data by making use of Excel and google sheet in an organization to identify possible problems, make future insight and decisions.

Given my skills and experience with data management using Microsoft excel and google sheet has increase my desire to further acquire more knowledge in data analysis in order to have in-depth knowledge of big data and how to solve numerous problems with it.

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## **Udemy Project Description**

I was asked to download four different Udemy data courses on business, design, web-development and music. All these four different data consist of inconsistency data, duplicate data and blank cells. The aim was to find answers to some questions regarding the various courses and subjects. Some of the questions include total subscribers in each subject, how does the average content duration/price/number of students varies across subjects?, how many courses are free and paid for each subject?, what is the average price of web-development courses at different levels?, does content duration impact the price of courses? What are the twenty most popular courses?.

## Methodology

I took my time to look at the four different data carefully, appending all the data together, removing all blank cells, duplicate data and inconsistency data by using google sheet. After cleaning of the data, I created pivotable In analyzing the data by using google sheet to answer all the questions above and also make use of tableau for necessary visualization of data.

## Findings and Conclusion

After analyzing the data with pivotable, it clearly provide answers to all the questions stated above. For Instance, its shows how content duration impact price of courses, twenty most popular courses, etc.

Attractive measures should be introduced to increase subscribers in subject and courses where there are low subscribers.

## **The Problem**

The problem is to understand the relationship between subscribers, subject, and the courses. Knowing this will proffer insight to what decision to be made to help increase subscribers in order to increase revenue.

## **Data Design**

The data was appended together, removing all blank cells, duplicate data and inconsistency data by using google sheet. After cleaning of the data, I created pivotable In analyzing the data by using google sheet to answer all the questions above and also make use of tableau for necessary visualization of data.

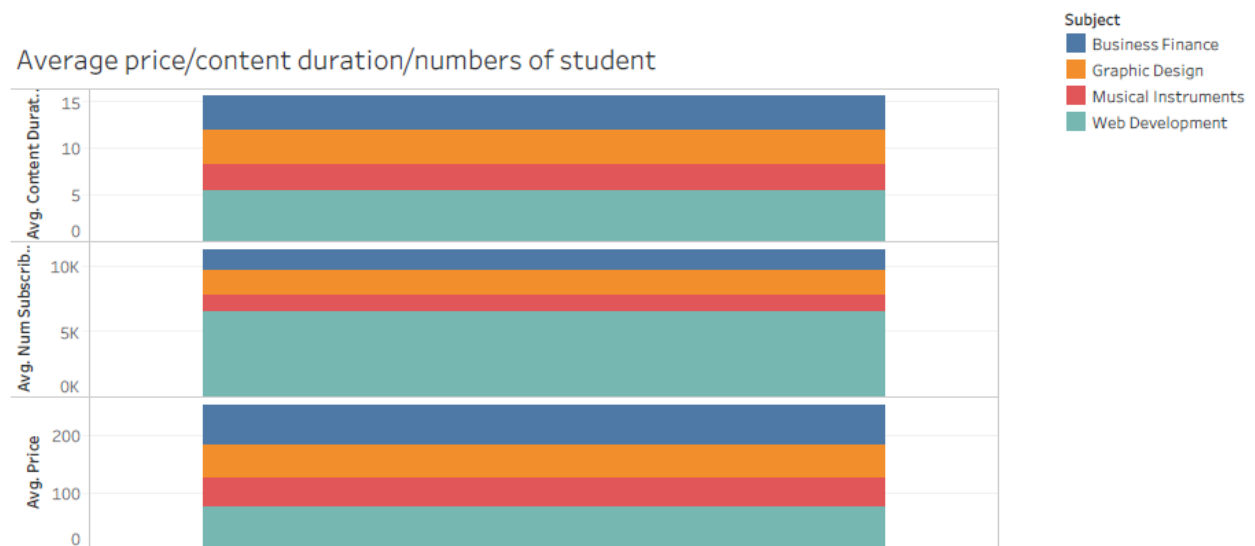
## FINDINGS

1

subject	SUM of numbers of _subscribers
Business Finance	1,868,711.00
Graphic Design	1,063,148.00
Musical Instruments	846,689.00
Web Development	7,981,935.00
<b>Grand Total</b>	<b>11,760,483.00</b>

This pivotable above clearly shows that Web Development has the highest number of subscribers and Business Finance with the lowest subscriber.

2



The visual above clearly shows how vary the average price, content duration, and number of subscription in each subject.

3

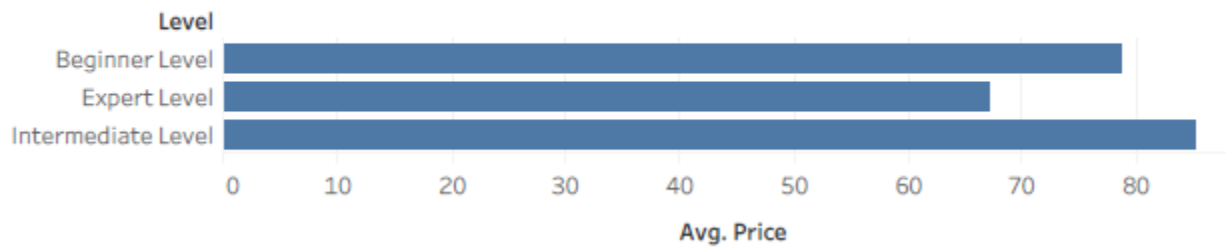
Courses that are free and paid for each subject



This shows that web-development has the highest number of free/paid courses.

4

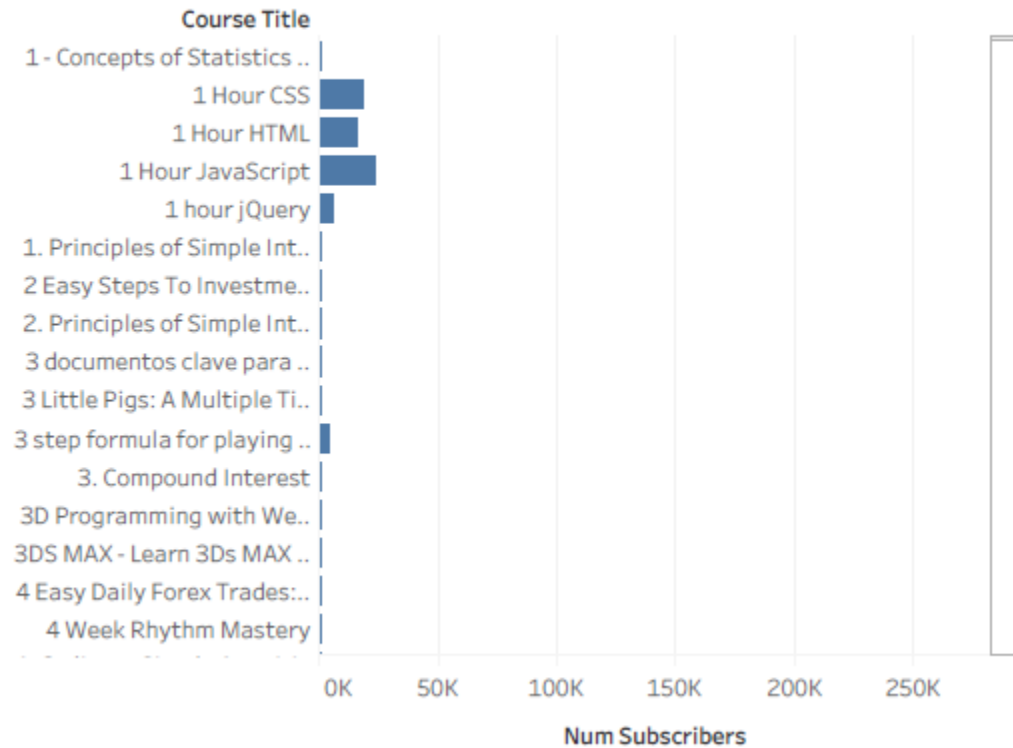
Average price of web development at different level



This visual shows that intermediate level has the highest average price of web development.

5

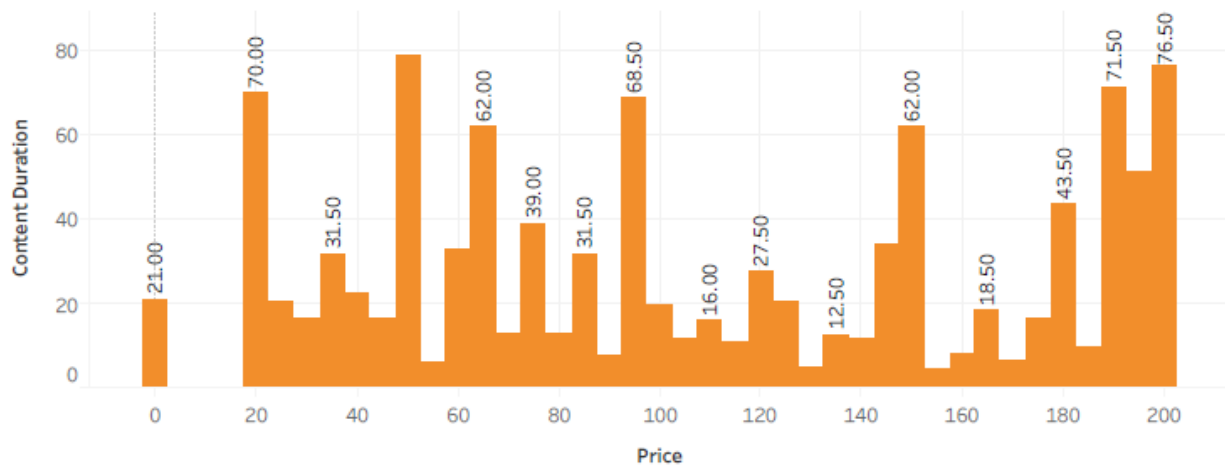
### Course title and numbers of subscriber



This visual explain numbers of subscribers in each courses.

6

The impact of content duration on price



The visual shows the relationship between the price which is independent variable and content duration which is dependent variable.

## Analysis

The Web Development has the highest number of subscribers, free/paid courses. and Business Finance with the lowest subscriber.

There is a relationship among the average price, content duration, and number of subscriptions in each subject.

The visual shows the relationship between the price which is independent variable and content duration which is dependent variable. But the price does not affect the content duration.

## Conclusion

Web development is the most popular subject and business finance has the lowest subscribers. An attractive measures should be introduced to all other courses and subject to have more subscribers in other to generate more revenue.

## **Capstone Project Description**

The project is to look at the data of covid in all countries to be able to identify the problems and proffer possible solution.

Definition of problems:

1. Which of the country has the highest and lowest number of total covid cases and total death cases?
2. Which of the country has the highest and lowest number of total recovered cases and total active cases.?
3. Which of the country has the highest and lowest number of total test and population.?

## **Data design**

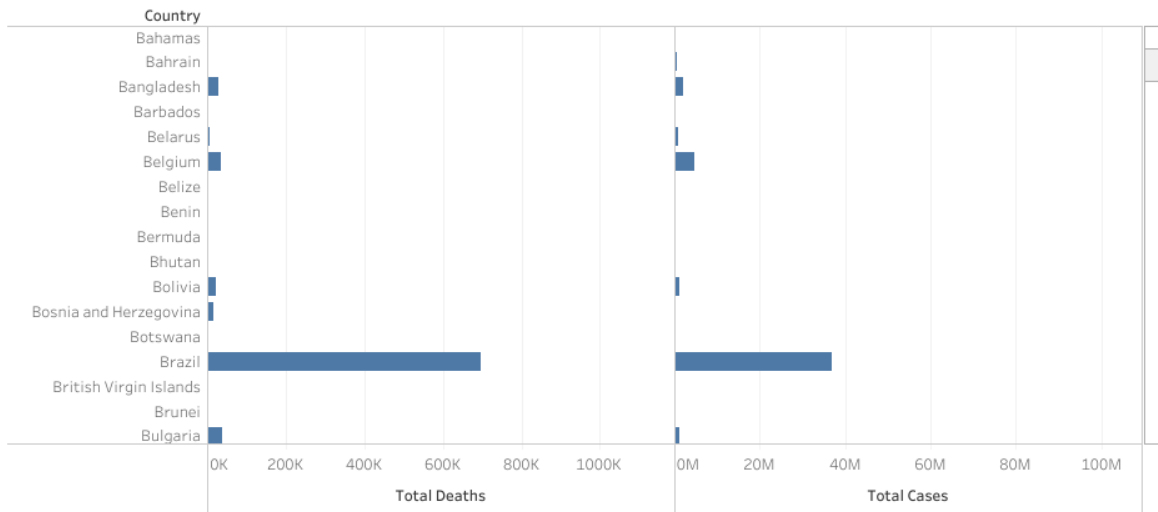
The data was downloaded from the internet, I deleted all blank cells, duplicate data and inconsistency data by using google sheet. After cleaning of the data, I created pivotable In analyzing the data by using google sheet to answer all the questions above and also make use of tableau for necessary visualization of data.

## **Findings**



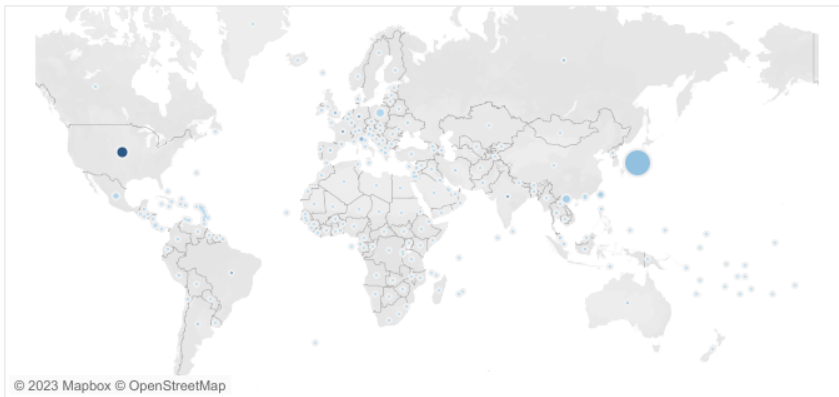
1

Country that has the highest and lowest number of total covid cases and total death cases.



2

Country that has the highest and lowest number of total recovered cases and total active cases



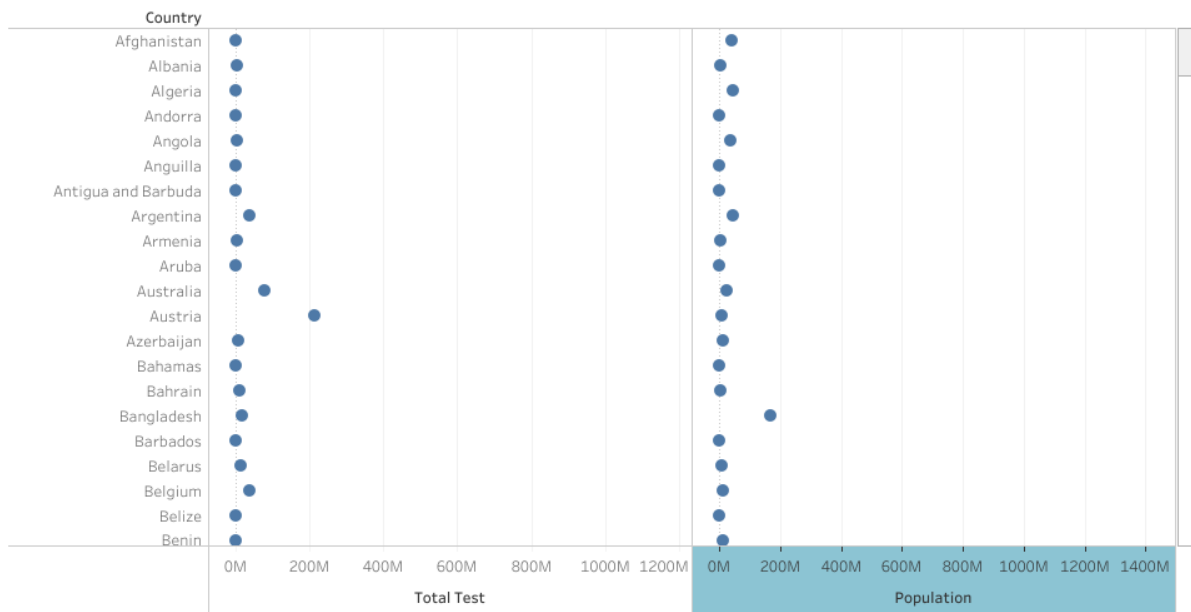
Total Recovered  
2 101M

Active Cases  
• 0  
● 2,000,000  
● 4,000,000  
● 6,000,000  
● 8,000,000  
● 10,952,618

Highlight Country  
No items highlighted

3

Country that has the highest and lowest number of total test and population.



## Data Analysis

The data has shown the country with the highest and lowest number of covid, recovered cases, active cases, death cases, total test and population.

## Conclusion

All countries should carry out more test in order to identify more covid to reduce the death cases.

