**MindTheGap Data/Database Management Project**

1. As a database manager your company has collected data internationally and stored in an excel sheet, But because customers traction is getting higher they want to migrate this single data from excel to database and you were task with the job
2. Create a database called adventure\_workDB and migrate the data “adventureworks\_mergeddata.csv” to the database.
3. The admin department are only interested in a few columns

OrderDate, StockDate, OrderNumber, ProductKey, ProductCategoryKey, CustomerKey, TerritoryKey, OrderLineItem, OrderQuantity , Region, Country and Continent. Write another sql query to extract these columns from the data in the database and store them in a new table called admin\_table.

1. The sales department are also interested in a few columns

ProductSubcategoryKey, ProductSKU, ProductName, ModelName ProductDescription, ProductColor, ProductSize, ProductStyle, ProductCost, ProductPrice, SubcategoryName, ProductCategoryKey, CategoryName, Prefix, FirstName, LastName, BirthDate, MaritalStatus. Create a table called sales\_table in the database and store the values there.

1. Write a sql query that can join the the sales\_table and admin\_table

2. As a database manager you are part of the analytics team. Your company was supposed to invest in one of the consumption industries in the UK, but was scared to do so because of the Brexit challenge. Using an open source data titled “Uk\_consumption.csv” help your company answer the following questions paying attention to the following columns “food and drinks”, “clothing and footwears”, “household goods and services”

1. The highest sales made in the last 10 years
2. Which quarters(Q1, Q2,Q3,Q4) saw the highest increase in mean consumption in the last 5 years
3. What is the consumption difference between “food and drinks”, “clothing and footwears” in the last 10 years
4. Write a 500 word report about your analysis

**Tip:** separate the “time period” into two, put the quarters in different columns and the years in another column.

**Note:** question 1, 2 and 3 should have a graph to represent outcomes, the excel sheet where the analysis is done should be submitted. The graph also should be contained in the report.

The analysis should be done only in **“EXCEL”**

***Quick Tip:***

I am currently serving as a data consultant for 2 firms and in charge of their recruitment. This project will also serve as my way of evaluating you if you are interested in the available data role (Database administrator, Data entry and analytics intern)

I will help you prepare your CV for those interested and hopefully push you further to get the job. The pay is quite interesting. These roles will be open for 3 weeks.

***If you have any challenge with the project we can schedule a session online/physically to help you get the project done. Reach out to Austin or me directly if you need my help! All the best!***

***"The price of success is hard work, dedication to the job at hand, and the determination that whether we win or lose, we have applied the best of ourselves to the task at hand." - Vince Lombardi.***