Data Bootcamp Final Project Presentation





APRIL 2022

HAWA JAMA







HAWA JAMA | HEALTHCARE DATA SET REPORT

This dataset was focused on immunisation factors, mortality factors, economic factors, social factors and other health related factors as well. Since the observations in this dataset were based on different countries, it helped with determining the predicting factors which contributed to the lower value of life expectancy. This will help in suggesting a country which area should be given importance in order to efficiently improve the life expectancy of its population. In this project I have focused on analysing the relationship between outlier factors and a countries life expectancy, whether it be related to alcohol consumption, the rate of polio and measles and so on, this had then helped with seeing trends and patterns across multiple countries when it came to overall health.



ABOUT ME

- I am currently a 3rd year International Relations student at Coventry University specialising in cyber conflicts and warfare within my Dissertation.
- In May 2022 I will have completed the Niyo Enterprise Data Analytics & Project Management Bootcamp.
- I have previously worked as a Pension Regulator advisor for HMRC and became interested in tech due to some of the skills I learnt on the job within administration and
 finance related issues.



WHY DID YOU CHOOSE TO LEARN DATA ANALYTICS, AND WHAT ROLE WOULD YOU LIKE TO WORK IN FOLLOWING WHAT YOU'VE LEARNED?

Why?

I chose to learn Data Analytics due to my enthusiasm when it comes to problem solving and challenging myself. I was also intrigued by a role which implemented real life situations in an everyday job role, which pushes me to think outside of the box. Data analytics and cybersecurity also overlap which is another reason as to why I chose this bootcamp.

What?

I would want to work in a role such as a Data Analyst or Business Intelligence Analyst. I am also interested in learning more about Machine learning and working on my coding as well as continuing on to learn more programming languages.

Throughout this bootcamp I have learnt multiple different things. From using formulas in excel to learning SQL and python, this has helped me gain more of an insight to the skills needed in jobs regarding Data Analysis and visualisation.





ABOUT YOUR PROJECT

The Objective of my project was to employ all the skills I've gained in the duration of this bootcamp to then explore the trends and patterns in my selected dataset, which is a Healthcare dataset, focused on the Factors that influence Life expectancy. I will be showing my findings and how they were implemented using different tools and platforms.



HOW DID YOU APPLY WHAT YOU HAVE LEARNT IN THE BOOTCAMP?

- I firstly used my knowledge of Excel to clean the data and pick out information regarding the life expectancy and health issues of different countries. I used formulas such as VLOOKUP, COUNTIF, MAX&MIN, MEDIAN and SUM.
- I then used SQL to write queries to further analyse my data. Using aggregators such as SUM, AVG, COUNTS, GROUP BY, and ORDER BY. I used WHERE to filter through my data and the CASE WHEN technique to add additional columns.
- Lastly, the bootcamp helped us utilise the skillsets needed for both Tableau and Power bi, and for my last project I used tableau so this time around I chose Power bi to present my data visualisation. I completed this through the use of diverse charts in comparing correlations between the data as well as the trends.



EXCEL DATA ANALYSIS

	Italy	Which country having maximum life expectancy
	Question 2 Us	sage of Countif Function
	16	How many times was alergias name is in the list
	2801	how many countries have a life expectancy over 50
	368	how many countries have an ifant death over 50
	Question 3	Usage of Max and Min Function
Max	99	Maximum number of cases in a country having hepatities B
in	1	Minimum number of cases in a country having hepatities B

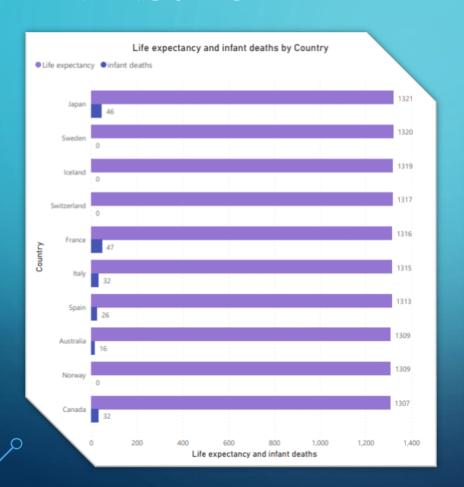
Here I came up with own questions regarding the dataset and used different formulas taught in class to get an analysis

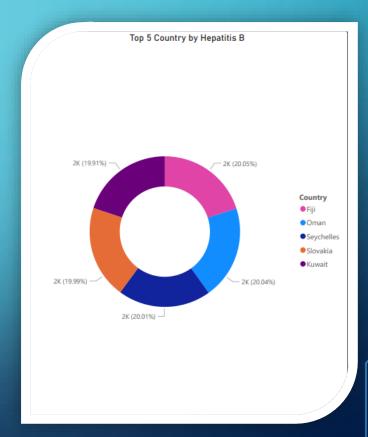




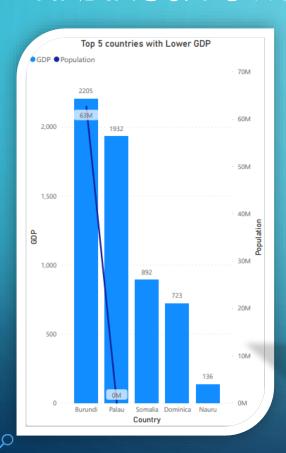


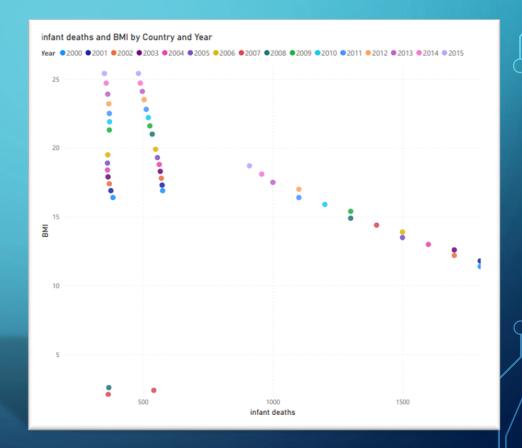
FINDINGS: POWER BI DATA VISUALISATION



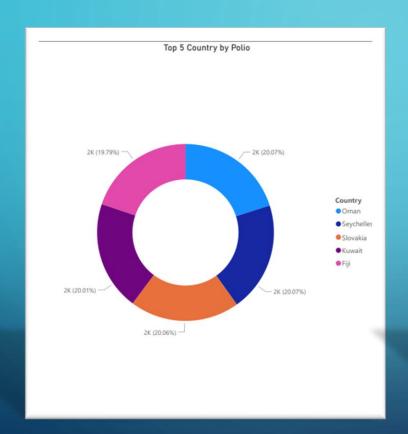


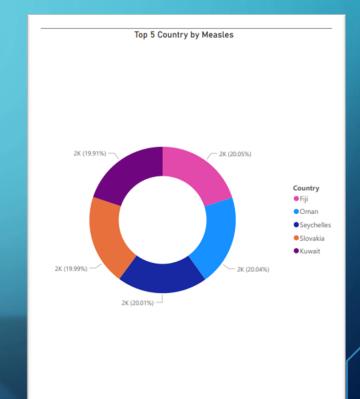
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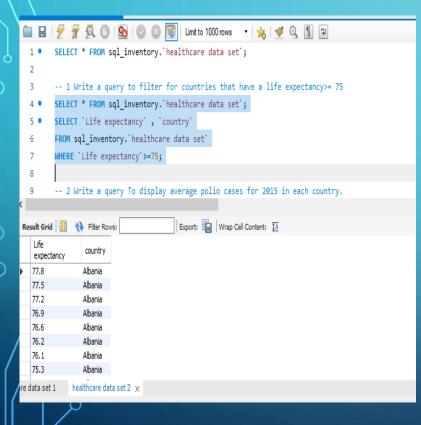


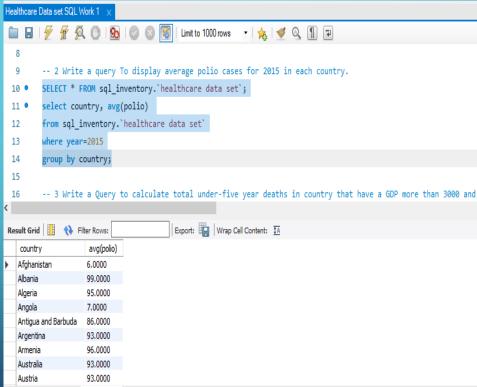
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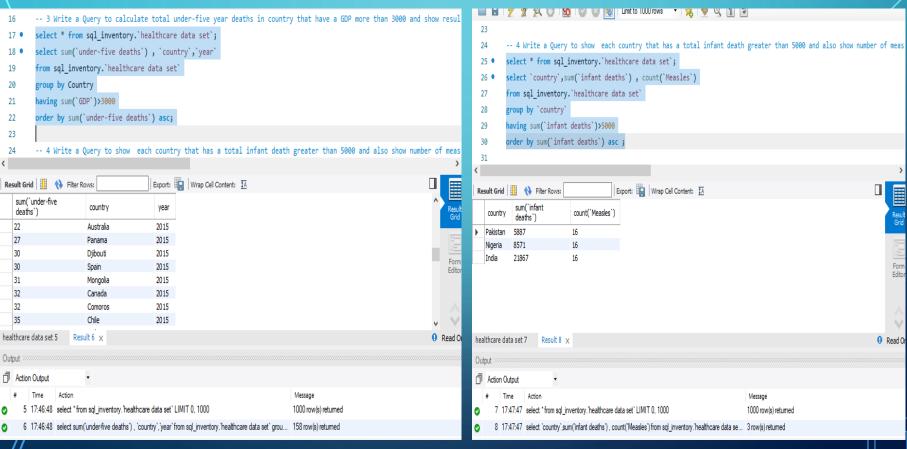


SQL DATA ANALYSIS





SQL DATA ANALYSIS



TOP 3 THINGS YOU HAVE LEARNT ON THE BOOTCAMP

Educationally: The need for coding in data, and the importance of understanding why patience and resilience is required to complete an intensive bootcamp. I also learnt how to utilise my personal time effectively and the daily practical's in lessons aided my learning further.

Personally: It helped me become more confident in my technical skills especially in relation to coding, and helped me to challenge myself and reach for higher expectations and goals

Career Wise: I am now more sure of the route I want to take in data analytics and working more on other programming languages to increase personal development.



