

# Data Technician

**Name:**

**Course Date:**

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**Day 1: Task 1**

Please research the different versions of Tableau, compare and contrast them below and explain the limited functionality on 'Tableau Public'.



## Different Tableau versions

Feature / Product	Tableau Public	Tableau Desktop	Tableau Creator	Tableau Explorer	Tableau Viewer
Cost	Free	Paid	Paid	Paid	Paid
Data Source Access	Limited	Extensive	Extensive	Limited	Limited
Data Storage	Public Cloud	Local/Server	Local/Server	Server	Server
Data Privacy	Public	Private	Private	Private	Private
Sharing Options	Public Gallery	Server/Online	Server/Online	Server/Online	Server/Online
Collaboration	No	Yes	Yes	Yes	View Only
Offline Access	Limited	Yes	Yes	Limited	Limited
Advanced Features	No	Yes	Yes	Limited	No
Data Limits	Up to 15M rows	Unlimited	Unlimited	Unlimited	Unlimited

**Tableau Public** is best suited for:

- Students and educators exploring data visualization.
- Journalists and bloggers sharing public data insights.
- Individuals building a portfolio of data visualizations

## Day 1: Task 2

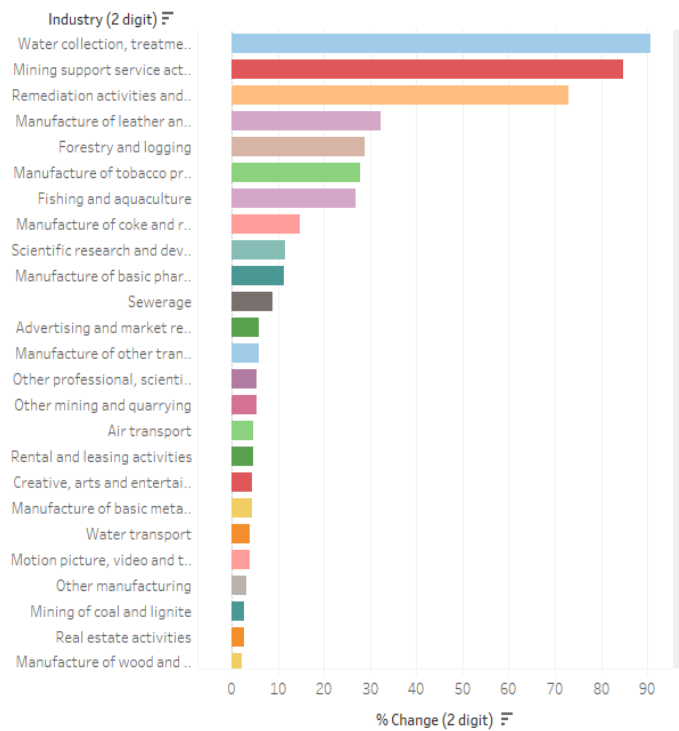
Using the *EMSI\_JobChange\_UK* dataset, create your own dashboard, I want to see a bar chart showing percentage change and a UK based map showing the key city locations impacted.



Paste  
your  
print  
screen  
here

## EMSI JobChange Dashboard

% Change by Industry



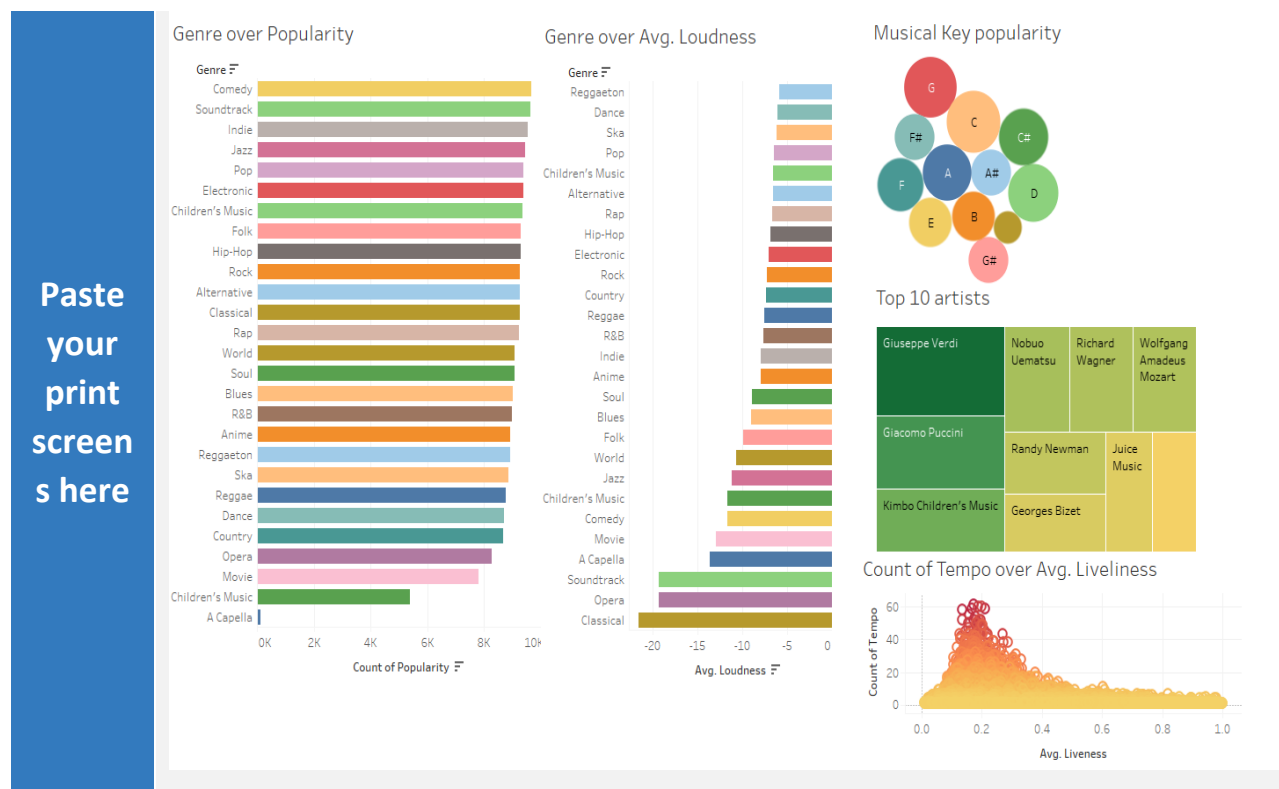
Map



## Day 2: Task 1

Using the Spotify data set, conduct an analysis to find trends and key information that could be used by an organisation for future projects.

There is no set scope for the analysis, simply to find trends and document them below:



What did you find?	Comedy, Soundtrack and Indie are the most popular genres.
	Reggae, Dance and Ska are the quietest – Soundtrack, Opera and Classical are the loudest.
	The Key of C, G, D and C# are quite popular and are used near often.
	Guiseppe Verdi was the No.1 most popular artist
	The most frequent temp is around 60 bpm, with average liveness of 0.2

## Day 2: Task 2



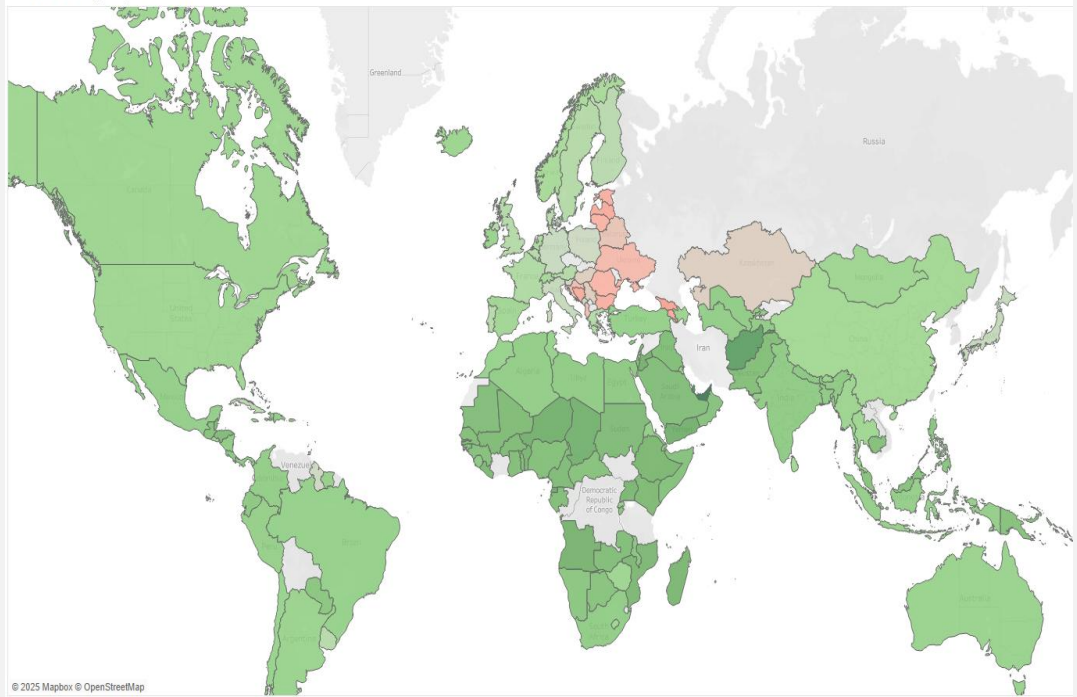
Using the Health [data set](#), conduct an analysis to find trends and key information that could be used by an organisation for future support.

There is no set scope for the analysis, simply to find trends and document them below.

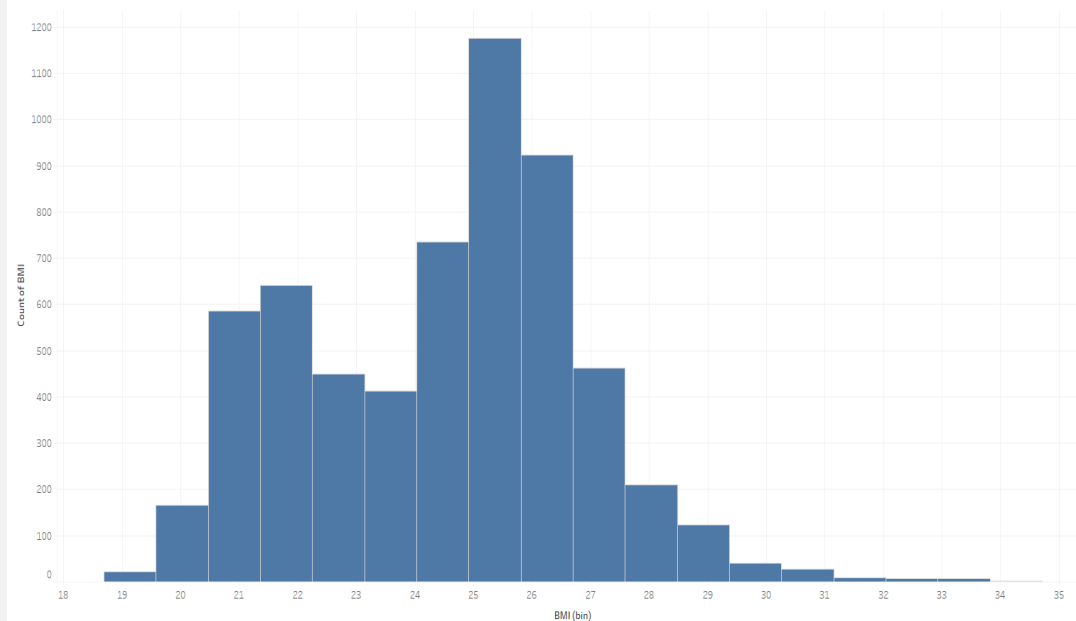
- Data can be lifesaving and is being used more within the NHS, reflect on how this data could support decision making for the NHS.

Paste  
your print  
screens  
here

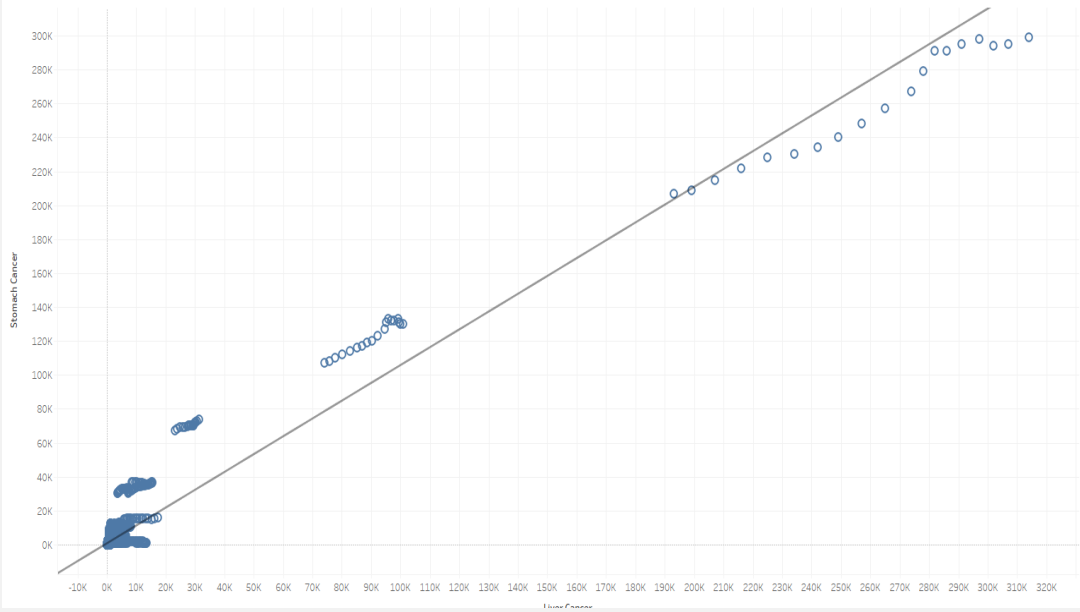
Countries by Pop. Growth



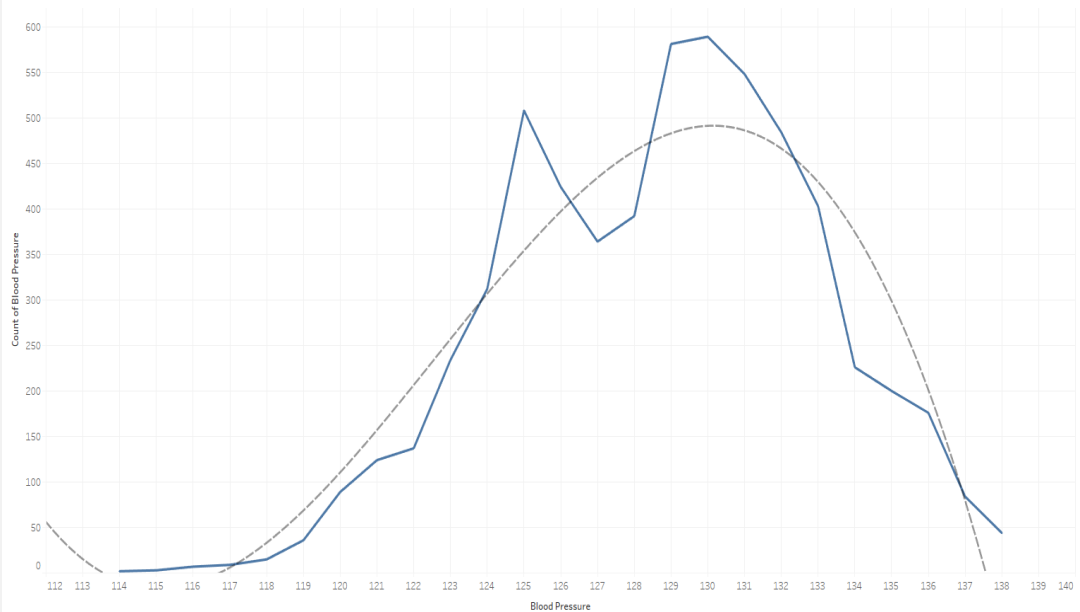
BMI Distribution



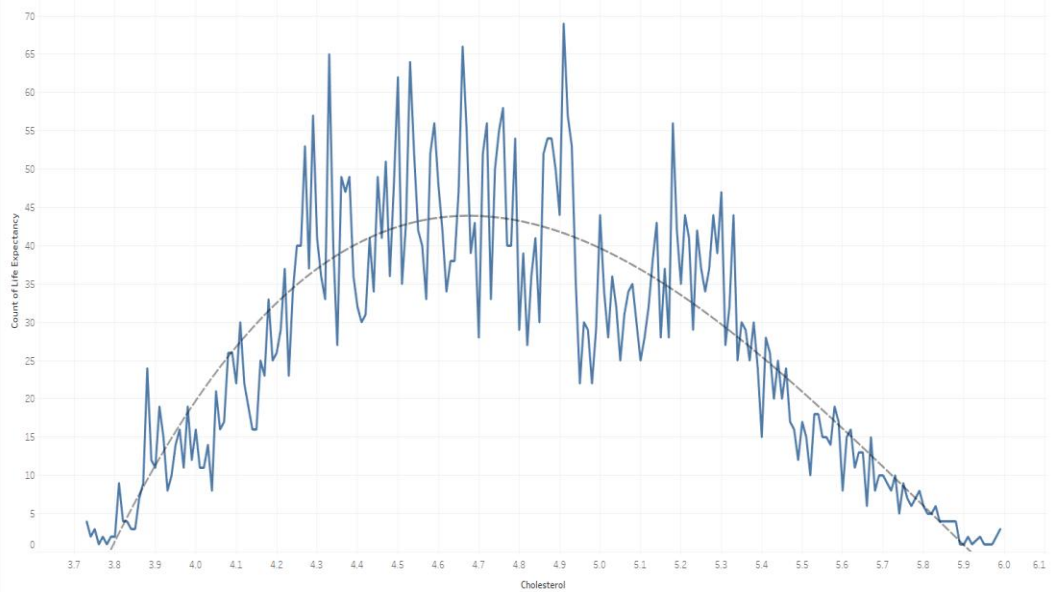
Stomach Cancer / Liver Cancer



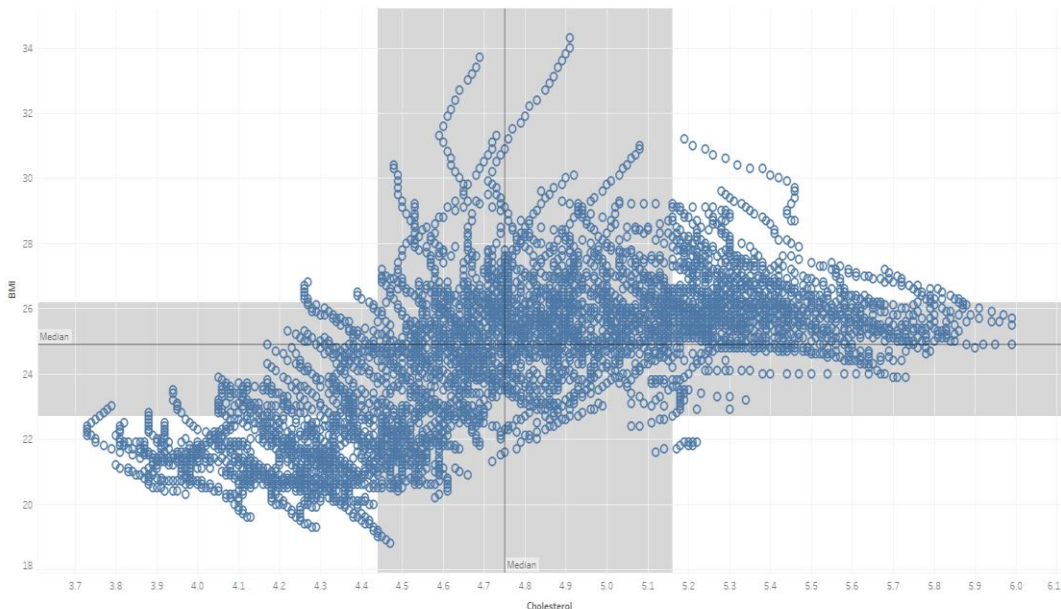
Blood Pressure Distribution



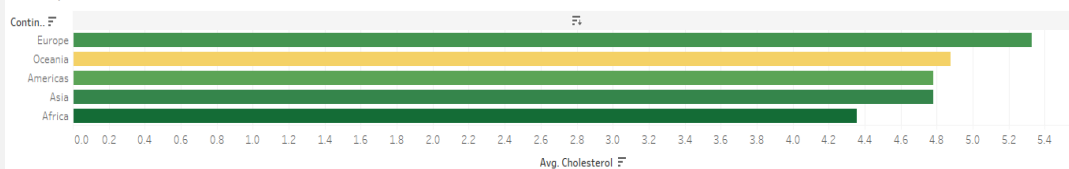
Count Life Exp. / Chol.



BMI / Cholesterol



Description



What did you find and any reflections on how the NHS

- The older you are, the more cholesterol you are likely to have.
- Stomach cancer and Liver cancer are linearly proportional. If a patient is tested for one, they should be tested in case they have the other.
- Median BMI is about 23 – 26, with median Blood pressure from 4.44 – 5.16



could use  
this?

### Day 3: Task 1

Please complete Lab 1 'Get Data in Power Bi Desktop'. Once complete, paste a print screen below and in the collaboration board.

"Teaching is the best way to learn, so please listen out for support requests from the class and we'll work through the challenges together"

Paste your  
completed  
lab here

### Day 3: Task 2

Please complete Lab 2 'Load Transformed Data in Power BI Desktop'. Once complete, paste a print screen below and in the collaboration board.



"Teaching is the best way to learn, so please listen out for support requests from the class and we'll work through the challenges together"

Paste your  
completed  
lab here

#### Day 4: Task 1

Please complete Lab 6 'Design a Report in Power BI Desktop'. Once complete, paste a print screen below and in the collaboration board.

"Teaching is the best way to learn, so please listen out for support requests from the class and we'll work through the challenges together"

Paste your  
completed  
lab here





## Day 4: Task 2

Please complete Lab 9 'Create a Power BI Dashboard'. Once complete, paste a print screen below and in the collaboration board.

"Teaching is the best way to learn, so please listen out for support requests from the class and we'll work through the challenges together"

Paste your  
completed  
lab here



## Course Notes

It is recommended to take notes from the course, use the space below to do so, or use the revision guide shared with the class:



We have included a range of additional links to further resources and information that you may find useful, these can be found within your revision guide.

### **END OF WORKBOOK**

**Please check through your work thoroughly before submitting and update the table of contents if required.**

**Please send your completed work booklet to your trainer.**

