

Data Technician

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Day 1: Task 1

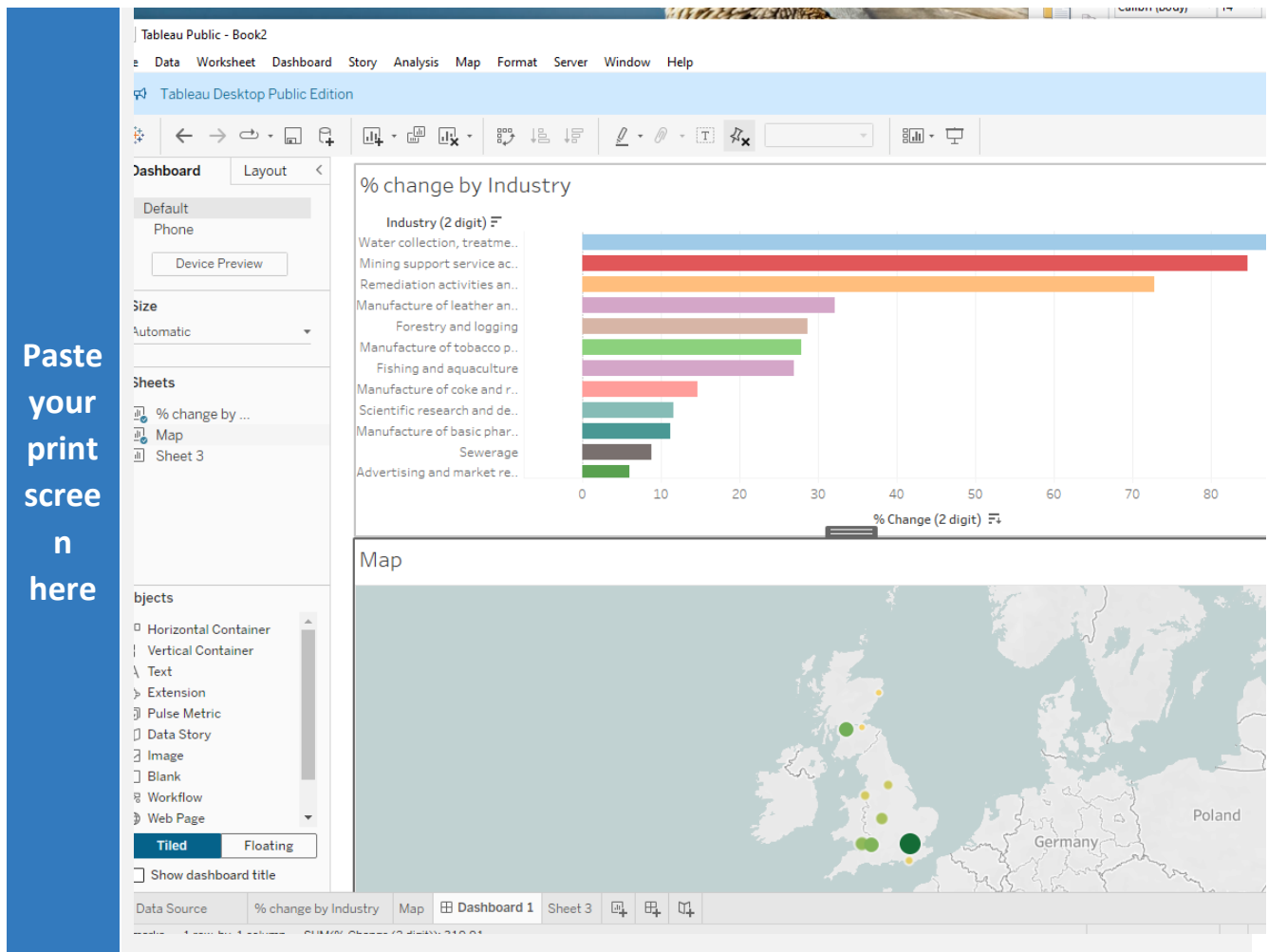
Please research the different versions of Tableau, compare and contrast them below and explain the limited functionality on 'Tableau Public'.

Different Tableau versions	Tableau Desktop, Tableau Server, Tableau Cloud, Tableau Public
	Tableau desktop is useful to create and analyse data visualization locally on computer
	Tableau Server is used for publishing and sharing tableau dashboards within an organization.
	Tableau Cloud is a cloud based platform for creating, publishing and sharing tableau dashboards.
	Tableau Public is a free version of tableau for creating and sharing visualisations publicly. Tableau public is mainly designed for sharing visualisations publicly. It has limitations in data connectivity, data size, features, security and sharing options.

Day 1: Task 2



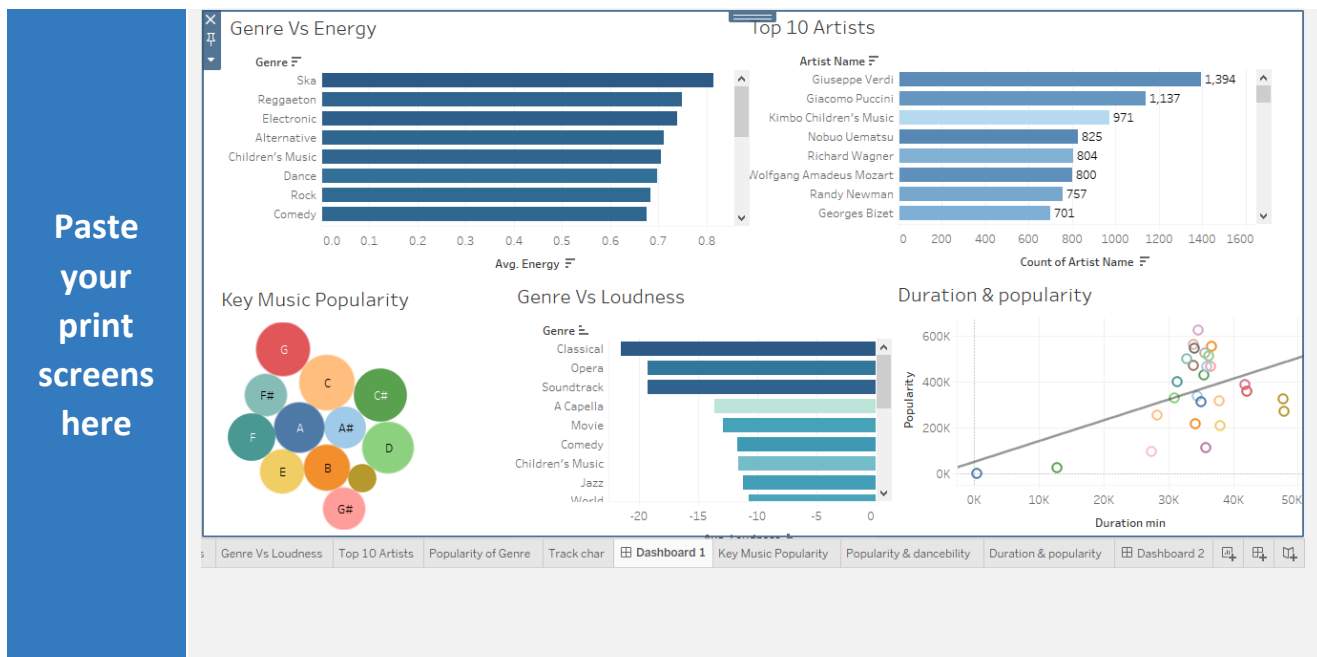
Using the *EMSI_JobChange_UK* dataset, create your own dashboard, I want to see a bar chart showing percentage change and a UK based map showing the key city locations impacted.



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?

- Top 10 artists by their popularity
- G type of music is popular
- Classical genre has loudness
- Ska genre has more energy

Day 2: Task 2

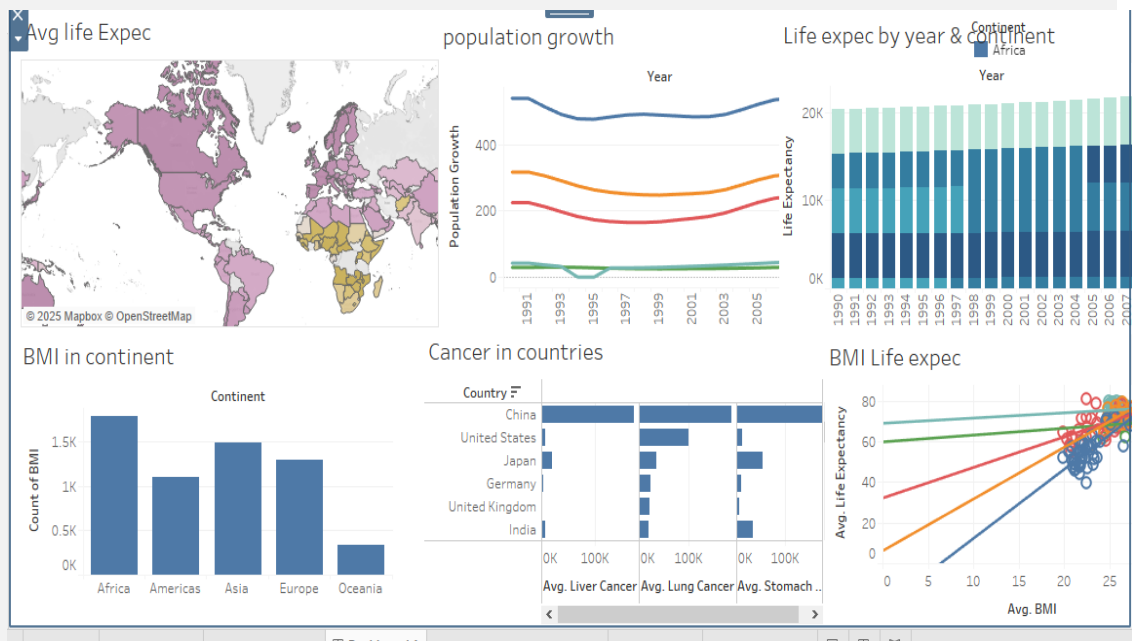
Using the Health [data set](#), conduct an analysis to find trends and key information that could be used by an organisation for future support.

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



What did
you find
and any
reflection
s on how
the NHS
could use
this?

Average life expectancy is less and BMI is highest in Africa compare to other continents.

This data can be useful for NHS in terms of predicting health issues in people of different origin who are living in UK.

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

Instructions Resources Help 100%

10. Confirm the visual now meets the goals. Exit out of the visual calculations edit screen to your report:

You now have a bar chart with the following fields:

Create a matrix visual

In this task, you'll create a matrix visual that compares the sales amount per category against the first fiscal year for each of the following years.

- 1. In **Report view**, create a new report page.
- 2. On **Page 2**, add a matrix visual.
- 3. Add the following fields to the visual wells/areas:
 - Rows: **Product | Category**
 - Columns: **Date | Year**
 - Values: **Sales | Sales**

The labs use a shorthand notation to reference a field. It will look like this: **Date | Year**. In this example, **Date** is the table name and **Year** is the field name.

50% Tasks Complete

Previous End

Instructions Resources Help

Versus first = [Sum of Sales]

Notice how nothing changed

4. Replace **ROWS** with **COLUMNS** and observe that the calculation now compares the sales amount per category against the first fiscal year:

Time, considered the first

5. Exit out of the visual calculations edit screen to your report.

Create a line chart visual

In this task, you'll create a line chart that shows the running sum for sales. This sum will reset at the beginning of every fiscal year.

- 1. In **Report view**, create a new report page.
- 2. On **Page 3**, add a line chart visual.

70% Tasks Complete

Previous End

Instructions Resources Help

Update running sum to restart every new fiscal year

1. While still in the visual calculations edit window, select the **Running sum** field under **Y-axis** and update the expression for this calculation by adding the **HIGHESTPARENT** reset parameter and commit the changes:

Verify that the running sum indeed restarts for every new fiscal year:

Lab complete

Congratulations

You have successfully completed this lab. Click **End** to mark the lab as **Complete**.

100% Tasks Complete

Previous End



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.

