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	Different versions of Tableau: - Tableau Desktop = For professional data analytics and dashboard creation - Tableau Public = For learning and public sharing - Tableau Server = Enables the sharing of dashboards within an organisation securely - Tableau Online = Cloud version of Tableau Server - Tableau Prep = For data cleaning and preparation - Tableau Mobile = Looking at dashboards on mobile devices Limited functionality of Tableau Public: - Unable to save files locally to your computer - Data is public so no place for private/sensitive data - Only supports basic data files such as excel and google sheets - Cannot connect to databases such as SQL Server

- Limited features. Some more of the advanced analytics and security features for example that are readily available in the desktop version are not within Tableau Public

Compare and Contrast:

- All incur a cost besides Tableau Public and Tableau Mobile

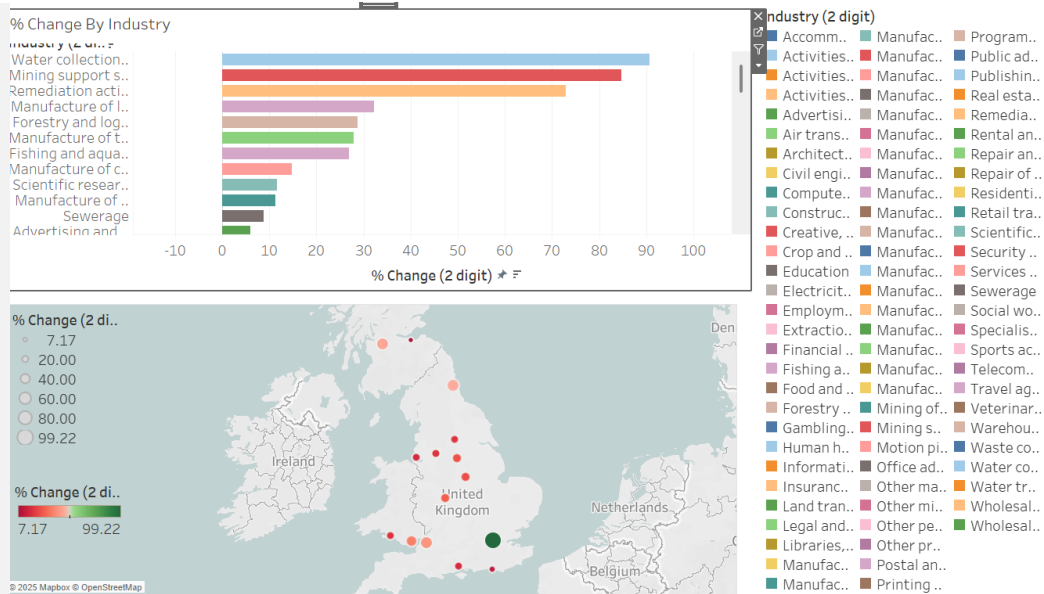| Feature	Tableau Desktop	Tableau Public	Tableau Server	Tableau Online	Tableau Prep	Tableau Mobile
Cost	Paid	Free	Paid (enterprise license)	Paid (subscription)	Paid	Free
Data Privacy	Private/local	Public only	Private/internal	Private/cloud	Private/local	View-only (internal)
Storage Location	Local	Tableau Public web server	On-premise	Tableau-hosted cloud	Local or server-connected	N/A
Data Sources Supported	Full (Excel, SQL, cloud etc.)	Limited (CSV, Excel, Google Sheets)	Full	Full	Input from various sources	View existing dashboards
Can Save Locally?	Yes	No	Yes	Yes	Yes	N/A
Sharing Options	Limited (email, PDF, etc.)	Public gallery	Internal users	Internal/external users	N/A	Interactive dashboards only
User Access Control	No	No	Yes	Yes	No	Yes
Best For	Analysts and developers	Beginners/portfolio building	Enterprise collaboration	Teams without infrastructure	Data cleaning & prep	On-the-go dashboard access

- Besides Tableau Public and Mobile, all can be saved locally
- Tableau Prep is more focused on organising the data moreso than the other versions of Tableau
- All versions of Tableau cater to different audiences depending on needs , goals and context/infrastructure

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.
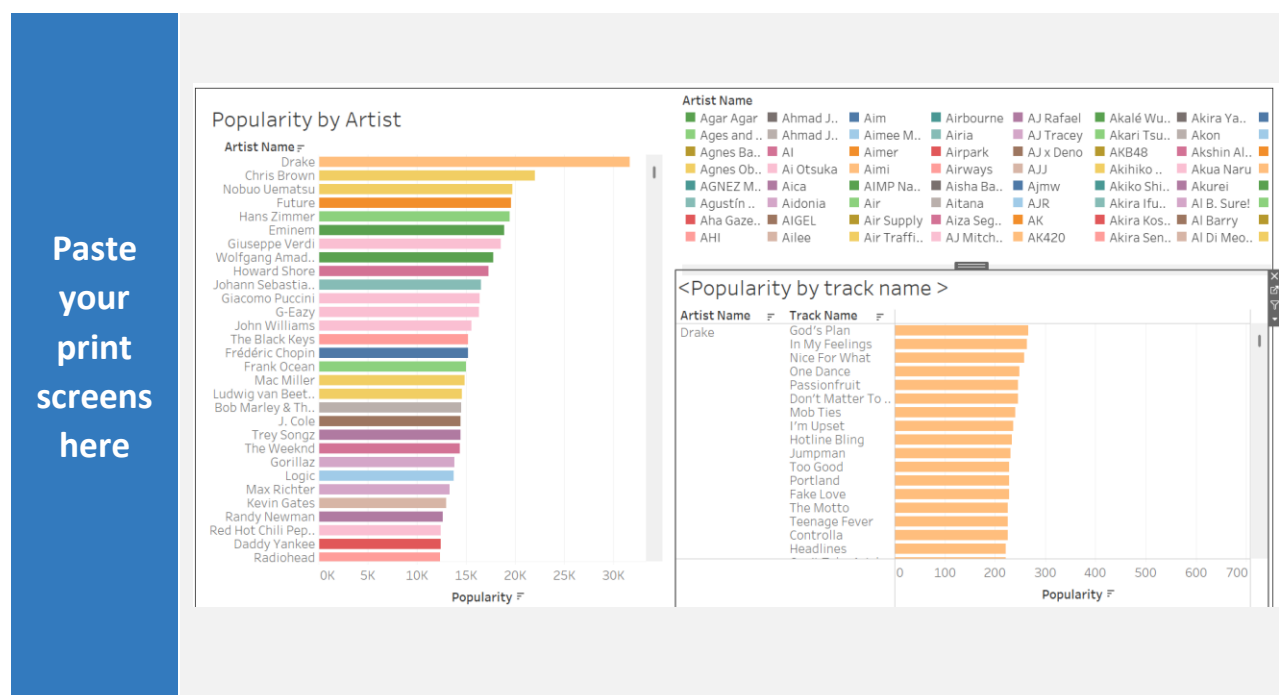
Paste your print screen here

% Change By Industry

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- 20.00
- 40.00
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- 80.00
- 99.22

% Change (2 di..
7.17 — 99.22

© 2025 Mapbox © OpenStreetMap

Industry (2 digit)

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Architect..	Manufac..	Rental an..
Civil engi..	Manufac..	Repair an..
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Creative, ..	Manufac..	Retail tra..
Crop and ..	Manufac..	Security ..
Education	Manufac..	Services ..
Electricit..	Manufac..	Sewerage
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Fishing a..	Manufac..	Telecom..
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Insuranc..	Other ma..	Water tr..
Land tran..	Other mi..	Wholesal..
Legal and..	Other pe..	Wholesal..
Libraries,..	Other pr..	
Manufac..	Postal an..	
Manufac..	Printing ..	

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:

<table>
<tr>
<td>Paste your print screens here</td>
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<td>What did you find?</td>
<td>

- Top 5 Artists are Drake, Chris Brown, Nobuo Uematsu, Future, Hans Zimmer
- Drake's top 5 music tracks are: God's Plan, In My Feelings, Nice For What, One Dance, Passionfruit
- Chris Brown's top 5 music tracks are: Undecided, Ayo, Loyal, Questions, Look At Me Now
- Nobuo Uematsu's top 5 music tracks are: Zanarkand, One Winged Angel, Aerith's Theme, Prelude, Opening Bombing Mission
- Future's top 5 music tracks are: First Off, Fine China, Crushed Up, Mask Off, Jumpin on a Jet
- Hans Zimmer's top 5 music tracks are: Like A Dog Chasing Cars, I'm Not A Hero, Why So Serious?, Time, Introduce a Little Anarchy

</td>
</tr>
</table>

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

Count Life Exp. / Chol.

Stomach Cancer / Liver Cancer

What did you find and any reflection
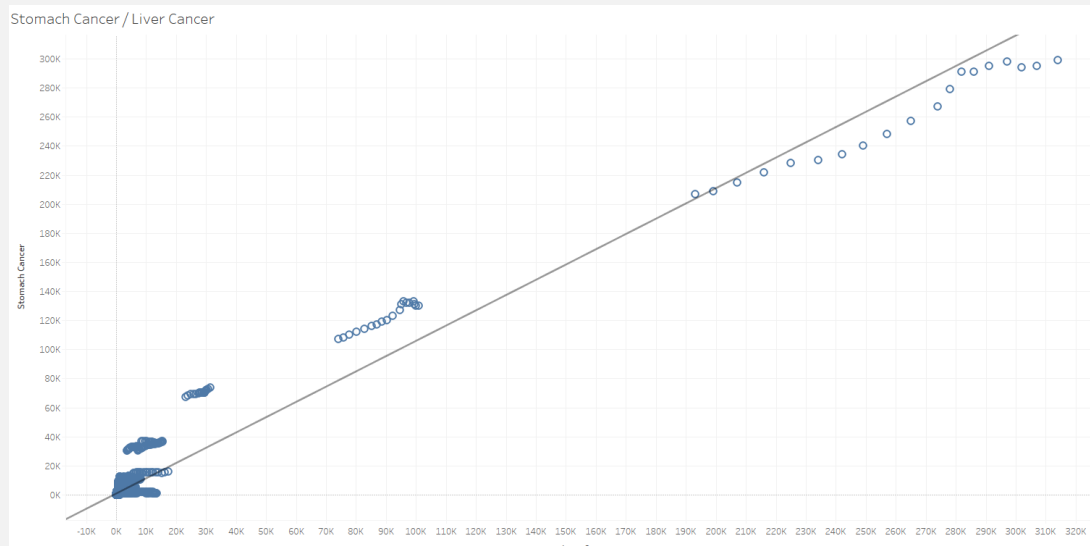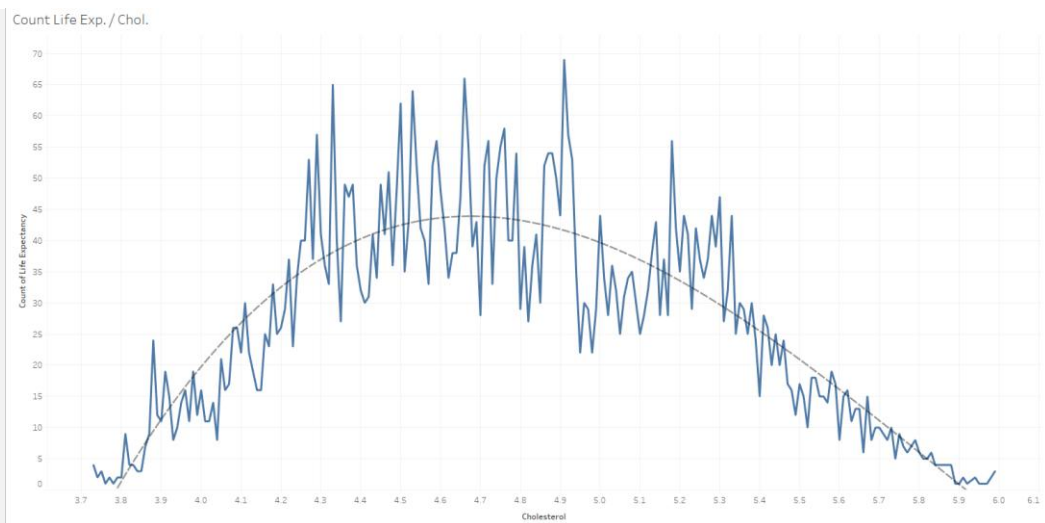
Screenshot One:

- Higher cholesterol in the older population

s on how the NHS could use this?	- There can be target initiatives put in place to ensure that there is the regular monitoring of cholesterol within that population - Initiatives set up to help those in that population to manage their cholesterol in a way that is tailored to suit them Screenshot Two: - Those who have liver cancer are also likely to have stomach cancer - Initiatives to screen and check whether those who are diagnosed with liver cancer also have stomach cancer

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"

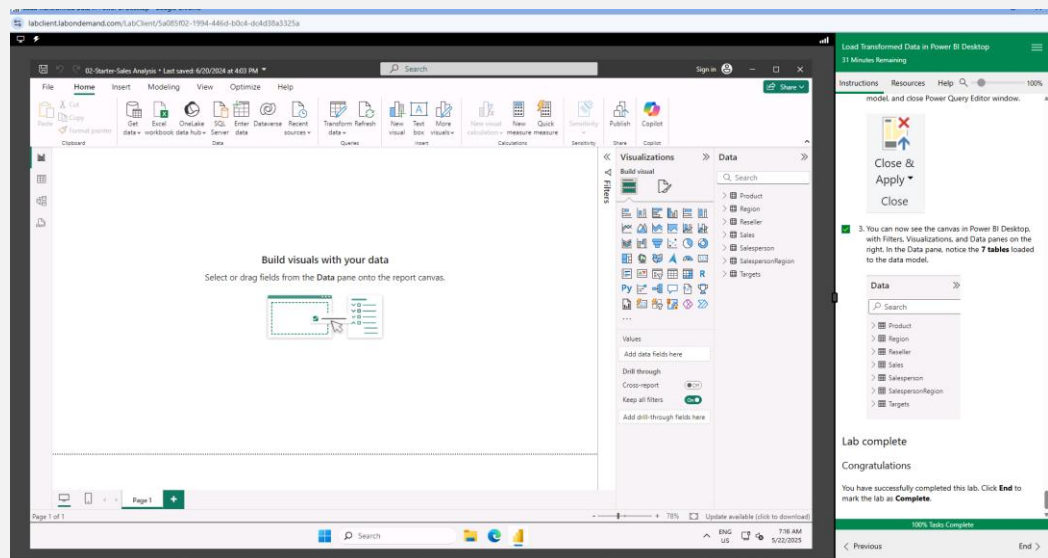|	
Paste your completed lab here	
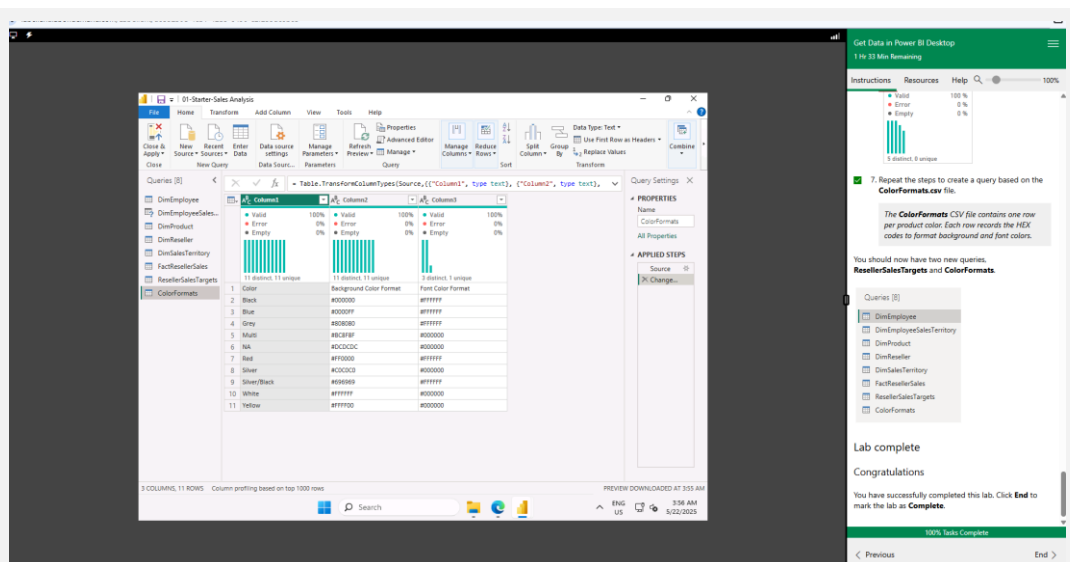
Day 3: Task 2

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"
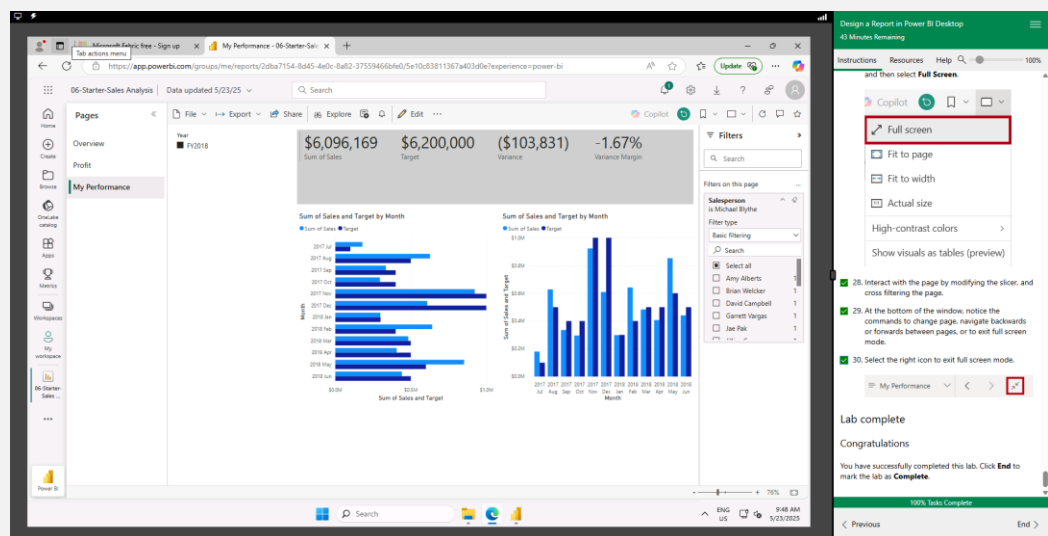
Paste your completed lab here

Day 4: Task 1

Please complete Lab 7 '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"
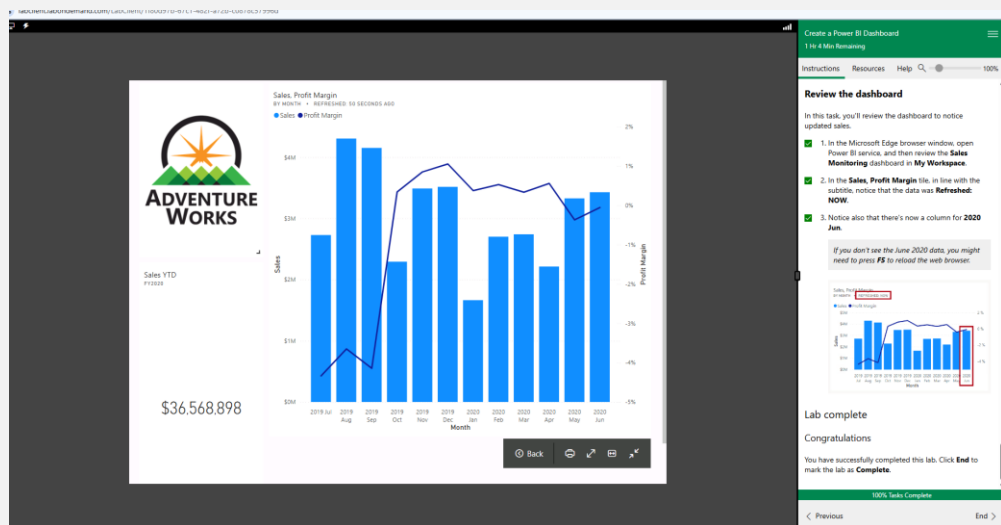
Paste your completed lab here

Day 4: Task 2

Please complete Lab 10 '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.