

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	Below is a comparison of Tableau's main products/licenses, followed by a summary of the key limitations of Tableau Public.
	<u>Product / License</u>
	Who & Where
	Key Capabilities
	Sharing / Hosting
	Tableau Creator
	Power users (analysts, data scientists, IT) on Desktop + Web
	* Full authoring: Tableau Desktop + Prep Builder



- * Create & publish new data sources
- * Deep data prep, modeling, calculation
- * Publish to Server / Online / Public
- * Manage users, permissions, certified sources

Tableau Explorer

Business users on Web only

- * Browse & interact with published content
- * Author new workbooks from published data
- * Create subscriptions, custom views
- * Consume on Server / Online
- * Cannot connect new raw data

Tableau Viewer

Casual users on Web

- * View & interact (filters, tooltips)
- * Download images/PDFs, summary data
- * Subscribe and receive alerts
- * Read-only on Server / Online

Tableau Desktop

Stand-alone authoring app

- * Build any viz, dashboard, calculation
- * Connect to all supported data sources
- * Save locally or publish (requires Creator license)

Tableau Prep Builder

Stand-alone ETL tool

- * Clean, reshape, join, pivot data
- * Output extracts for Desktop & Server
- * Outputs .hyper files or publishes to Server



Tableau Server

On-premise host for Web

- * Centralized governance, scheduling, permissions
- * Full Explorer & Viewer functionality (plus Creator)
- * Hosted by your IT

Tableau Online

SaaS-hosted Server

- * Same as Server, managed by Tableau
- * No infra overhead
- * Fully cloud

Tableau Public

Free cloud-only

- * Desktop-style authoring for Public gallery
- * All content must be saved to PUBLIC server
- * No private or on-prem sharing

Tableau Reader

Free desktop viewer

- * Open and interact with local .twbx files
- * No governance, security, or server features
- * Files must be shared manually

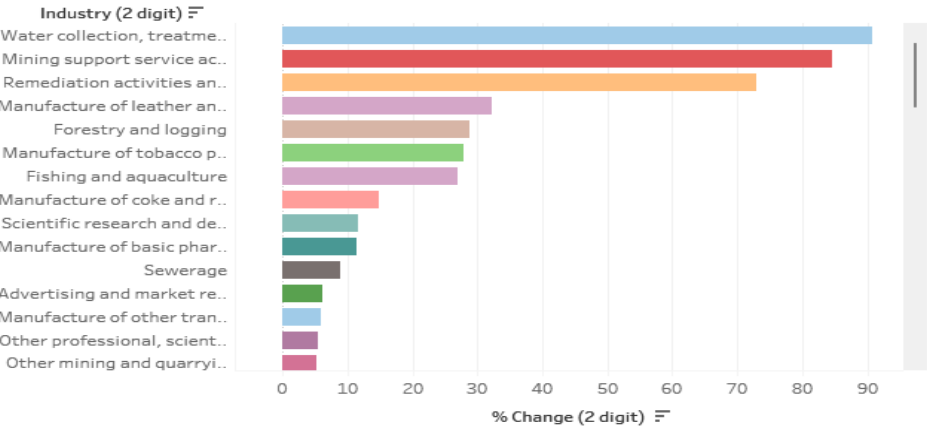
Day 1: Task 2

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



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:



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What did you find?	
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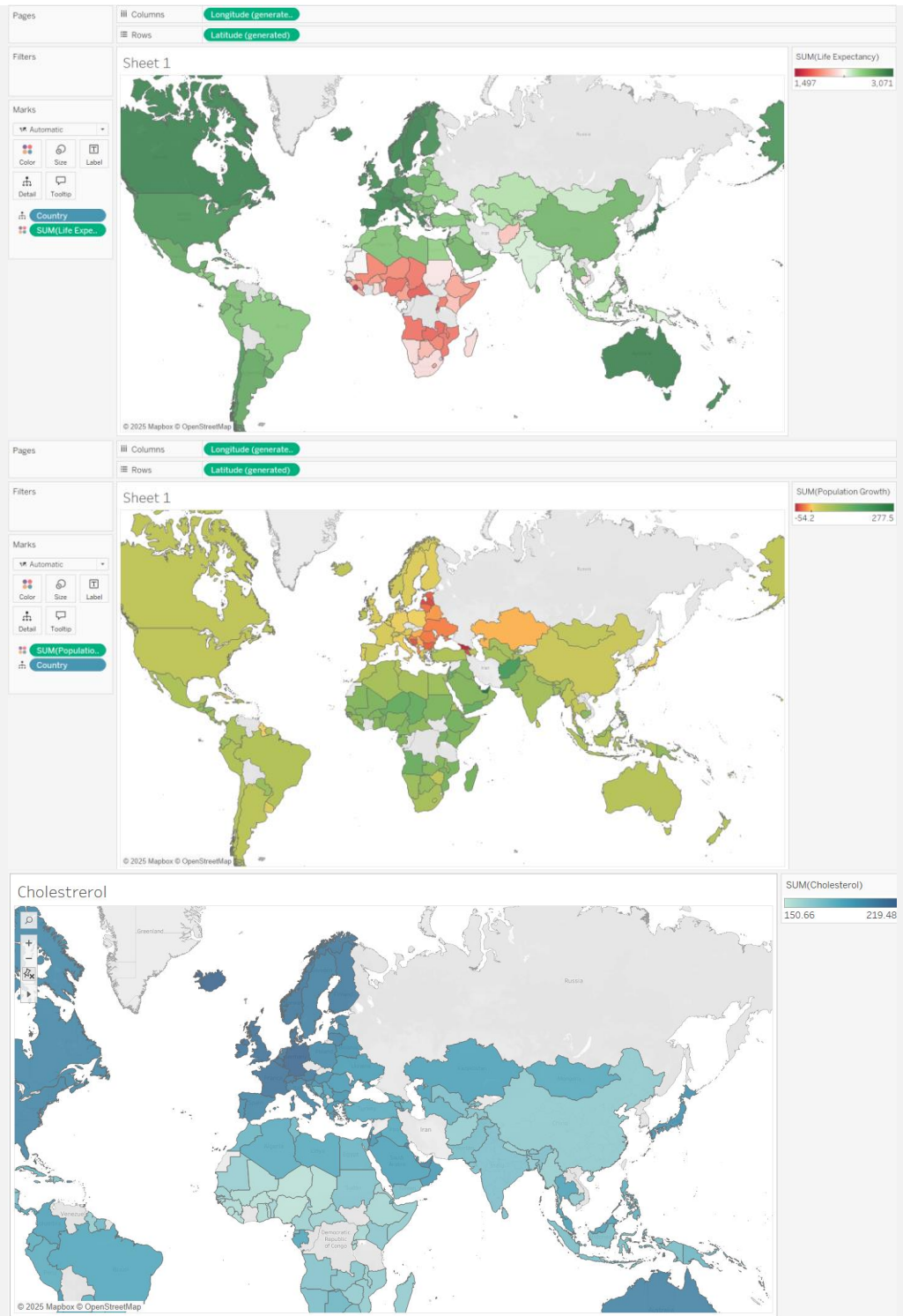
Day 2: Task 2

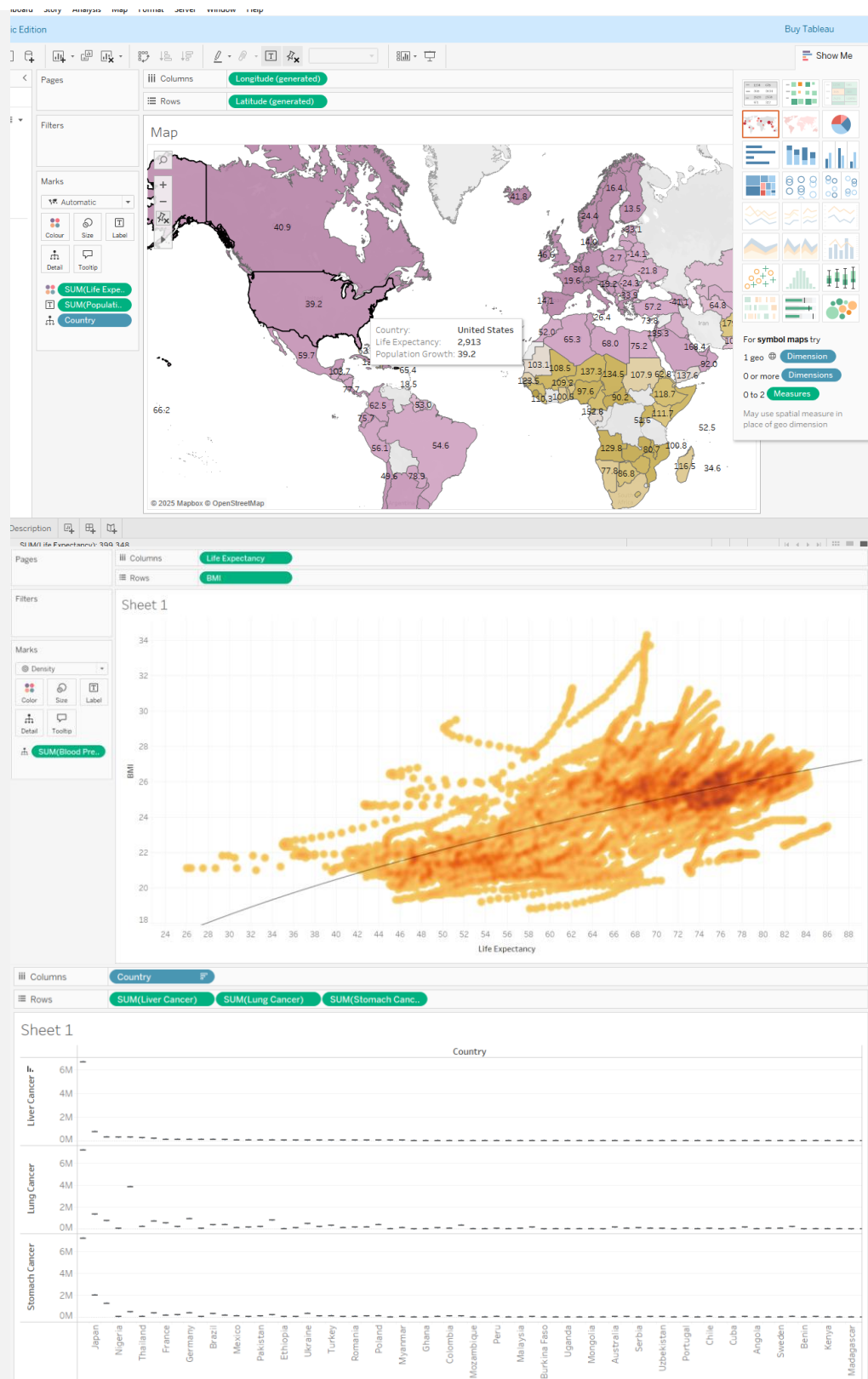
Using the Health [data set](#), conduct an analysis to find trends and key information that could be used by an organisation for future support.

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
reflections on
how the NHS
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

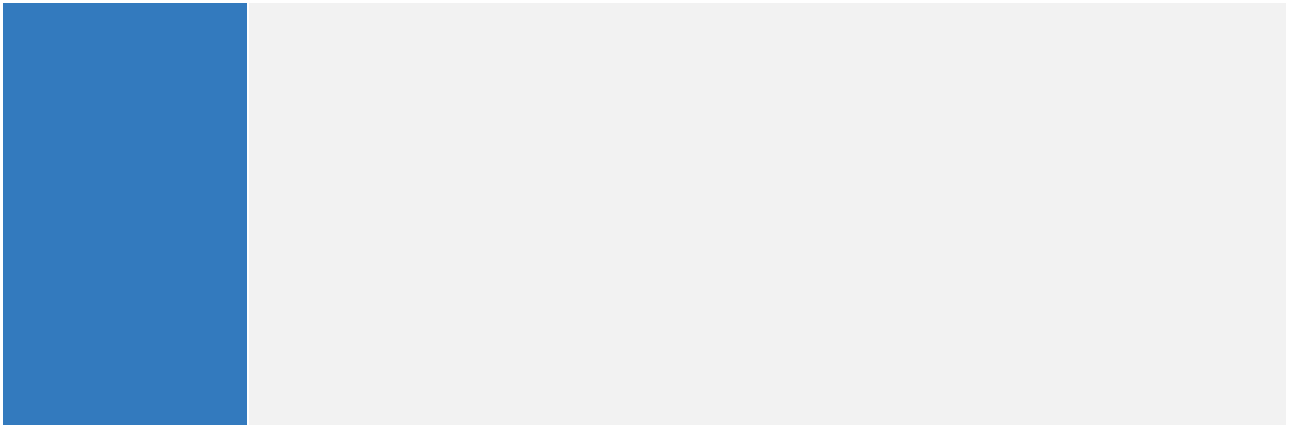
Day 4: Task 1

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.

