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| Course Date: 15/09/2025 |
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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’.

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| Different Tableau versions | Tableau Public's functionality is limited primarily by its lack of data security, its inability to connect to private databases and cloud services, and its online-only publishing model. |

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.

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| Paste your print screen here |  |

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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| Paste your print screens here | 1) Genre Popularity  2) Popularity by Danceability    3) Bubble Diagram of Popularity    4) Artist Analysis    5) Length & Popularity    6) Spotify Analysis Dashboard |

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| What did you find? | 1) Pop music is the most popular genre on Spotify with 625,020. Acapella is the least with only 1,107 users.  2) Hip-Hop is the most danceable genre of music with a danceability of 6,681. In comparison to Acappella with only 49 danceability score.  3) In the bubble diagram, we can see that all sorts of music genres are very danceable. They all have a good amount of danceability except from Acapella; with a popularity of 49.  4) We can see that most of the artists have very large numbers in popularity however the most popular artist is Drake, with over 31,000 users listening to him on Spotify.  5) We can see that a lot of music genres ranging from Pop, Rap, Rock, Dance etc have an average duration of 3.5 - 4 minutes.  6) Looking at the dashboard. We can see that Pop music is the most popular genre of music in Spotify. A lot of genres of music are very popular to dance to as show in the bubble diagram. Drake is by far the most popular artist. |

Day 2: Task 2

Using the Health, 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.

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| Paste your print screens here | 1) BMI per Country    2) Cancer Rates by Country    3) Lung Cancer Rate by Country    4) Life Expectancy Trends    5) BMI VS Life Expectancy    6) Health Survey Dashboard |
| What did you find and any reflections on how the NHS could use this? | 1) In this bar chart, we can see Tonga is the country with the highest BMI. Bangladesh has the lowest.  2) China has the highest of cancer rates. Much more then the US and Japan.  3) China also has the highest lung cancer rate with 7,162,300 people.  4) From this graph, we can see the average life expectancy has gradually increased in each continent over the years.  5) We can see the average life expectancy correlates to the average BMI. In Iceland the average life expectancy is 79.73 with and average BMI score of 25.80.  6) This is a dashboard showing health data ranging from BMI, cancer rates to life expectancy. |

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”

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| 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”

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| Paste your completed lab here |  |

Day 4: Task 1

Please complete Lab 8 ‘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”

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| Paste your completed lab here |  |

Day 4: Task 2

Please complete Lab 12 ‘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”

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| Paste your completed lab here |  |

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| **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.**

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| **Information** |