

**Data Technician**

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| 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’.

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| Different Tableau versions | Tableau Public is a free, public-only version, great for learning and sharing non-sensitive visualizations using flat files and Google Sheets—but with strict limitations on data size, security, automation, sources, and collaboration.  Tableau Desktop (paid) unlocks full ability to connect to enterprise sources, save locally, analyze large datasets, automate refreshes, and securely deliver visuals.  Tableau Server or Cloud enables enterprise-level sharing, governance, collaboration and scheduling—critical for professional use. |

# 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 |  |

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| What did you find? | My data shows popularity by genre, energy by genre (top-right) and finally the popularity of specific artists in descending order (also shows the genre of music they produce and its corresponding popularity).  So, for example, I can see on the left that Pop is the most popular genre overall. I can see that Ska has the most energy of all the genres and that Drake is the most popular artist, and he produces Rap, Pop and Hip-Hop. |

# 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 |  |
| What did you find and any reflections on how the NHS could use this? | We can of course see a direct correlation between the frequency of cancer and the population of a country. We can also see the average life expectancy based on BMI.  This kind of information can help the NHS by showing them global benchmarks, allowing for a comparison between the UK and the rest of the world.  They might be able to see other countries that are performing proportionally better, allowing them to reach out and find out what is working to keep cancer rates down.  They may also be able to use the information to predict future trends for the UK, allowing them to better prepare. |

# 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 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”

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| Paste your completed lab here |  |

# Day 4: Task 2

Please complete Lab 11 ‘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** |