

**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** | **There are Tableau, Enterprise, and Tableau+. Both Tableau and Enterprise offer different editions, including Viewer, Explorer, and Creator.**  **Tableau Viewer:** View and interact with dashboards and visualizations in a secure, easy-to-use platform. It includes: Tableau Pulse and one Viewer license of Tableau Cloud or Server.  **Tableau Explorer:** Explore trusted data and answer your own questions faster with full self-service analytics. It includes: Tableau Pulse and one Explorer license of Tableau Cloud or Server.  **Table Creator:** Discover insights with a powerful suite of products that support your end-to-end analytics workflow. It includes: Tableau Desktop, Tableau Prep Builder, Tableau Pulse, and one Creator license of Tableau Cloud or Server.  **Enterprise Viewer:** View and interact with dashboards and visualizations confidently with enterprise-grade data management and a performance-optimized, easy-to-use platform. It includes: Tableau Pulse and one Viewer license of Tableau Cloud or Server with Advanced Management and Data Management.  **Enterprise Explorer:** Explore data and answer your own questions faster and more confidently with enterprise-grade data management and performance-optimized self-service analytics. It includes: Tableau Pulse, one Explorer license of Tableau Cloud or Server with Advanced Management and Data Management, and a year of access to eLearning for Explorers.  **Enterprise Creator:** Discover insights with a powerful suite of products that support your end-to-end analytics workflow plus additional enterprise-grade administrative and data management capabilities. It includes: Tableau Desktop, Tableau Prep Builder, Tableau Pulse, one Creator license on Tableau Cloud or Server with Advanced Management and Data Management, and a year of access to eLearning for Creators.  **Tableau Public:** allows users to explore, create, and share data visualizations publicly online. With access to the world’s largest repository of data visualizations, it simplifies skill development in analytics. Users can gain inspiration, advance their careers, and build an online portfolio of their work. |

# 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?** | As the top five popular genres, Pop, Rap, Rock, Hip-Hop, and Indie also perform well in terms of danceability. |

# 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?** | Africa has the second-highest total life expectancy, followed closely by Europe with a difference of less than 1,000. Despite this, Europe has the highest average life expectancy, while Africa ranks the lowest. Additionally, Africa leads in population growth, whereas Europe has the lowest growth rate.  The analysis of life expectancy and population growth can support NHS decision-making in several key ways. For example, strategic workforce planning. Regions with longer life expectancy, like Europe, often have aging populations that increase the demand for specialized healthcare workers in disease care. These insights can help the NHS plan training and recruitment strategies to meet future workforce needs. |

# 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 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”

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| **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”

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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** |