

**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 Desktop (Paid / Professional)** — full-featured authoring tool for analysts. Connects to the largest set of data sources (databases, cloud apps, big-data connectors), supports live connections and large datasets, and publishes to Tableau Server / Tableau Cloud. [Tableau+1](https://www.tableau.com/products/tableau?utm_source=chatgpt.com) * **Tableau Desktop Public Edition / Tableau Public (desktop app + site)** — free option for creating visualisations that must be published to the public Tableau Public web site. Supports a *limited* set of data sources (mostly files, Google Sheets, web connectors) and extract-based workflows. Workbooks published to the Public site are visible to anyone unless you take account-level settings to limit downloads; there are row/storage limits that apply. [Tableau Help+1](https://help.tableau.com/current/pro/desktop/en-us/public_faq.htm?utm_source=chatgpt.com) * **Tableau Server (on-premises)** — organisation-hosted sharing, governance and scheduling platform. Supports live connections, scheduled extract refreshes, fine-grained permissions, and enterprise security/governance. Requires IT to manage infrastructure. [Tableau+1](https://www.tableau.com/products/tableau?utm_source=chatgpt.com) * **Tableau Cloud (formerly Tableau Online)** — Tableau’s hosted SaaS alternative to Server. Provides similar sharing, scheduling and governance features without on-prem setup; uses Bridge/Private Connectors for private data. Good for organisations that want cloud hosting and admin features. [Tableau+1](https://www.tableau.com/products/tableau?utm_source=chatgpt.com) * **Tableau Prep / Prep Conductor** — data-preparation tool (Prep Builder) and server/service (Prep Conductor) for scheduling/automation of data flows (generally part of Server/Cloud). [Tableau](https://www.tableau.com/products/techspecs?utm_source=chatgpt.com) * **Tableau Mobile** and **viewer roles** — consumption apps and role-based viewers for interacting with published content on mobile/devices. (Tableau Reader has been deprecated and replaced by viewer roles in Server/Cloud) |

# 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? | I've organised loudness and popularity with different visualisations. Ive found the most popular genre has loudness between –110k and –70k. |

# 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? | From these charts i have concluded that the higher your cholesterol is the higher your life expectancy is. China has the highest rate of stomach cancer, and Kiribati has the lowest. Life expectancy is higher in men than women on avg. Africa has the lowest life expectancy, whilst continents life America and Europe have the highest life expectancy. The NHS can use these reflections to predict patterns such as population growth. |

# 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** |