

**Data Technician**

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| Course Date: 12TH May – 7th July 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 | Different versions of Tableau:   * Tableau Desktop = For professional data analytics and dashboard creation * Tableau Public = For learning and public sharing * Tableau Server = Enables the sharing of dashboards within an organisation securely * Tableau Online = Cloud version of Tableau Server * Tableau Prep = For data cleaning and preparation * Tableau Mobile = Looking at dashboards on mobile devices   Limited functionality of Tableau Public:   * Unable to save files locally to your computer * Data is public so no place for private/sensitive data * Only supports basic data files such as excel and google sheets * Cannot connect to databases such as SQL Server * Limited features. Some more of the advanced analytics and security features for example that are readily available in the desktop version are not within Tableau Public   Compare and Contrast:   * All incur a cost besides Tableau Public and Tableau Mobile * Besides Tableau Public and Mobile, all can be saved locally * Tableau Prep is more focused on organising the data moreso than the other versions of Tableau * All versions of Tableau cater to different audiences depending on needs   , goals and context/infrastructure |

# 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? | * Top 5 Artists are Drake, Chris Brown, Nobuo Uematsu, Future, Hans Zimmer * Drake’s top 5 music tracks are: God’s Plan, In My Feelings, Nice For What, One Dance, Passionfruit * Chris Brown’s top 5 music tracks are: Undecided, Ayo, Loyal, Questions, Look At Me Now * Nobuo Uematsu’s top 5 music tracks are: Zanarkand, One Winged Angel, Aerith’s Theme, Prelude, Opening Bombing Mission * Future’s top 5 music tracks are: First Off, Fine China, Crushed Up, Mask Off, Jumpin on a Jet * Hans Zimmer’s top 5 music tracks are: Like A Dog Chasing Cars, I’m Not A Hero, Why So Serious?, Time, Introduce a Little Anarchy |

# Day 2: Task 2

Using the Health [data set](https://justit831-my.sharepoint.com/:u:/g/personal/danpe_justit_co_uk/EZQ21qEcLdVHhvngLvlD4TsBmzGvgh98xkHGxM1XVNCKUg?e=E7UfGi), 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? | Screenshot One:   * Higher cholesterol in the older population * There can be target initiatives put in place to ensure that there is the regular monitoring of cholesterol within that population * Initiatives set up to help those in that population to manage their cholesterol in a way that is tailored to suit them   Screenshot Two:   * Those who have liver cancer are also likely to have stomach cancer * Initiatives to screen and check whether those who are diagnosed with liver cancer also have stomach cancer |

# 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 10 ‘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:

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| **Additional Information** |

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.**