

**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   1. Main Purpose.   Tableau Public is the free version of Tableau. It is not meant for private or sensitive data.   1. Storage and Publishing All workbooks in Tableau Public are published online and can be seen by anyone. You cannot save workbooks privately on Tableau Public. You can save files locally on your computer, but to share them online, they must be uploaded to public.tableau.com. 2. Data Sources Tableau Public supports limited data sources like Excel, CSV, Google Sheets, and some text or web files. You cannot connect to most secure databases such as SQL, Oracle, or Salesforce. 3. Functionality Basic visualization features like charts, maps, and dashboards are fully available. Some advanced features are limited: you can use LOD expressions and table calculations, but automatic updates and some complex data connections are not supported. 4. Price Tableau Public is completely free. |

# 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? | The most popular songs have a roughly uniform level of popularity, meaning there's no single song that stands out.    But when looking at artists, there are clear leaders (for example, Daddy Yankee) who have significantly more plays than others.    Genres like Pop, Rap, and Electronic are the most popular among listeners, while genres like Opera, Classical, and Blues attract significantly fewer listeners.    Interestingly, most popular tracks are written in a minor key. This means that listeners are more likely to enjoy songs with a sadder or more emotional sound. |

# 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? |  |

# 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 |  |

Lab 3 ‘Configure a semantic model in Power BI’,

Lab 4 ‘Create DAX calculations in semantic models’,

Lab 5 ‘Modify DAX filter context in Power BI’,

Lab 6 ‘Use DAX time intelligence functions in Power BI’,

Lab 7 ‘Create visual calculations in Power BI Desktop’,

Lab 9 ‘Enhance Power BI report designs’,

Lab10 ‘Perform analytics in Power BI’.

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| Paste your completed lab here | Lab 3 ‘Configure a semantic model in Power BI’.          Lab 4 ‘Create DAX calculations in semantic models’                    Lab 9 ‘Enhance Power BI report designs’.                      Lab 7 ‘Create visual calculations in Power BI Desktop’.                    Lab 5 ‘Modify DAX filter context in Power BI’              Lab 6 ‘Use DAX time intelligence functions in Power BI’.              Lab10 ‘Perform analytics in Power BI’. |

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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.**