

**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 | |  |  |  |  |  | | --- | --- | --- | --- | --- | | Features | Tableau Public | Tableau Desktop | Tableau Enterprise | Tableau + | | Analytics |  | Creator, explorer, and viewer licenses available | Included in Enterprise edition, can be self-hosted on premises or on a cloud dedicated virtual hosting. Everything in Desktop included | The most complete version of Tableau with AI analytics features | | eLearning |  | Yes, with extra fees | Included in pricing |  | | Technical Support (Success plan) |  | Standard support with option for Premier support | Standard support with option for Premier support |  | | Description | Free version with limited capability but has sharing capabilities with the online community platform. | Self-contained data platform in a desktop application  3 managed sites | Options for self-hosted or a fully hosted service with Tableau Server or Tableau Cloud respectively.  10 managed site | Tableau AI agent, premium support, everything in the enterprise edition, up to 50 sites | |

# 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 | A screenshot of a computer Tableau Desktop |

# 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 | A screenshot of a computer  Description automatically generated |

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| What did you find? | By comparing danceability and popularity measures, we can look at the top 10 artists and genres in the dataset. I learned that danceability does not affect (correlate) with popularity linearly or directly. There are other factors that contribute to an artist or a genre’s popularity. |

# 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 | A screenshot of a computer screen  Description automatically generated  1: UK Cancer Stats 2005-'08 |
| What did you find and any reflections on how the NHS could use this? | In my analysis, I found that between 2005 and 2008 cancer aggregate were higher among men compared to women. The same can be found with individual cancer types; liver, stomach, and lung.  Interestingly, population does not affect the rate of cancer in men. Women in population tend to edge out men by a few thousands.  The NHS can use this to investigate why cancer diagnosis are more prevalent among men than women despite being a slightly smaller part of the population. Are there lifestyle, work, or genetic factors that seems to boost cancer in men more than for women. |

# 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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# 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 | A screenshot of a computer  Description automatically generated |

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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** |