

**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 is a free version for public data visualisation, it only supports static excel files, all visualisations are published publicly with 0 private saving, 15 million rows, no live database connections, can’t install custom extensions.  Tableau Desktop is full featured desktop analytics which has paid licenses, it supports private files and saving, has advanced analytics such as data blending and calculated fields.  Tableau Creator includes everything previously mentioned plus Tableau Prep for data cleaning, designed for full capacity needs like data authoring and data shaping capabilities with enterprise collab tools included.  Tableau explorer can interact and edit with already published datasets but doesn’t have access to raw data, it also has a viewer only mode.   |  |  |  |  | | --- | --- | --- | --- | |  | **Main Purpose** | **Key Features** | **Limitations/Licensing** | | **Tableau Public** | Free, public data visualization | Limited data sources (Excel, CSV); only public sharing | No private saving; 15M row cap | | **Tableau Desktop** | Professional desktop analytics | Full data source support; private files; data blending | Paid license required | | **Tableau Creator** | Professional/enterprise use | Includes Desktop, Prep, advanced analysis, full sharing | Paid license, all capabilities | | **Tableau Explorer** | Exploratory analytics | Can analyze/edit dashboards created by Creators | No advanced data prep/import | | **Tableau Viewer** | Simple viewing/interaction | View and interact with published dashboards | Cannot create or edit content | |

# 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  AI-generated content may be incorrect. |

# 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  AI-generated content may be incorrect. |

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| What did you find? | Found the average duration of a song in minutes compared to each genre  Found the average danceability per genre  Used a bubble graph to display the top 50 most popular artists  I found the top 20 songs according to live performances  Used a coloured square table to display the popularity by genre with labels. |

# 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  AI-generated content may be incorrect. |
| What did you find and any reflections on how the NHS could use this? | A screenshot of a computer  AI-generated content may be incorrect.  I found that the average liver cancer rates were increasing higher in men compared to women, this could be due to the proposed safe drinking guides having men being able to consume more alcohol than women showing its increasing harm and to promote a lower usage o alcohol. |

# 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 | A screenshot of a computer  AI-generated content may be incorrect. |

# 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 | A screenshot of a computer  AI-generated content may be incorrect. |

# 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 | A screenshot of a computer  AI-generated content may be incorrect.  A screenshot of a computer  AI-generated content may be incorrect.  A screenshot of a computer  AI-generated content may be incorrect. |

# 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 | I was not able to create a dashboard due to running on the virtual machine. It would not allow me to pin the charts to any dashboard and once I google it, it said I need Power BI Service which I can’t access on mac or the virtual machine (only desktop version). I tried to complete the steps, but I am not sure if this is okay, very sorry. When trying to save the document through the virtual machine, it kept creating an error code then crashing the virtual machine and I tried this 3 times. I do not have access to the B2WGroup Specifically. As I could not save the document to the workspaces, I could not upload the document onto web browser version. I have tried multiple solutions yet cannot get on. I have tried accessing my email once sent it to myself when on the virtual machine however it won’t load at all. This is really infuriating to me so sorry for the incomplete work.  A screenshot of a computer  AI-generated content may be incorrect.  A screenshot of a computer  AI-generated content may be incorrect.  A screenshot of a computer  AI-generated content may be incorrect.  A screenshot of a computer  AI-generated content may be incorrect. |

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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** |