

**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** | **Tableau Server** | **Tableau Cloud** | **Tableau Prep** | | Data visualisation and analysing tool. | It has function for sharing and cooperating dashboards in group as server. | It is service provided from Tableau fully for application, and maintenance. | This is tool for data cleaning (ETL) | | Connect various data source (Excel, SQL etc). | Can share dashboard created by Tableau desktop online. | No installation is needed, can be used online. | Can connect multiple data source and merge. | | Create dashboard or interface with drag and drop function. | Have user access control (admin) function. | No personal server maintenance is needed, handled by Tableau. | It can clear data in visual way. | | Free and Paid version available. | Automated data update. | Data can be updated live. | Can be synced with Tableau Desktop, Server and Cloud. | | Have the strongest analyse function | Multiple users can use same data and dashboard at same time. | This is Cloud service provided by Tableau include administrating and maintenance. | Do not need SQL, data cleaning can be done with simple drag and drop. | |

# 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 | https://public.tableau.com/views/EMSI\_JobChange\_UK\_17410194506700/Dashboard1?:language=ko-KR&publish=yes&:sid=&:redirect=auth&:display\_count=n&:origin=viz\_share\_link |

# 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 | https://public.tableau.com/views/day2task1spotify/Dashboard1?:language=ko-KR&publish=yes&:sid=&:redirect=auth&:display\_count=n&:origin=viz\_share\_link |

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| What did you find? | According to this analysis, popular music lists, artists and genres can be visualised easily.  Hip-hop, Reggaeton, Rap, Reggae and Pop are on the top 5 list for the most danceable genres which are categories that can go under Hip-Hop.  There are also 2 rappers and 1 pop artist listed from the top 10 artists by popularity (Drake, Chris Brown and Eminem) which can tell there will be a strong market for mixing Hip-Hop and Pop can be an advantage for current club playlist trends.  From the list of tracks by popularity, the top 10 tracks are either Hip-Hop or Pop music. This result strongly backs up the idea that Hip-Hop and Pop mixed music can attract more visitors. |

# 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 | https://public.tableau.com/app/profile/kwangsuk.sul/viz/3\_1\_Your\_first\_symbol\_maporiginal\_17411063909780/Dashboard1 |
| What did you find and any reflections on how the NHS could use this? | I have analysed and focused on BMUI. BMI by nations and gender data has been analysed with its trend to show how BMI is high in the American region but the Top 20 Nations are mainly Middle Eastern countries. Muslim countries consume lamb as their main meat for religious reasons. From the BMI study, lamb contains the highest rate of saturated fat which is in relationship with the high BMI rate for Muslim nations. Also through time, the BMI rate has been increasing globally which cancer rate has increased along with it. This can tell modern people are having hight rate of BMI rates which leads them to a higher chance of getting cancer or related disease. NHS can use this data analytics to do some acts to give people messages about eating healthy, exercising more, and staying low BMI. |

# 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 | It is written in Korean because of my Windows language but says Started : 05/03/2025 Wednesday 4:10PM (GMT Standard Time) Finished: 05/03/2025 Wednesday 5:18PM (GMT Standard Time) |

# 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.

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** |