



Data Technician

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'.

Different Tableau versions

Tableau Desktop: The full, paid professional version, you can connect to any data and save your work privately.

Tableau Server/Online: Paid company platforms for security sharing dashboards within an organisation.

Tableau Reader: Free tool only for viewing dashboard, not creating them.

Tableau Public: The free version for learning and creating public portfolio.

The limitation functionality of Tableau Public:

Tableau public is free but has major limitations because everything you do is public

No private saving: You cannot save your work (.twb files) to your computer. You have to save it to tableau's public online server, where anyone can see it and download your data.

Limited Data sources: You can only connect to simple files like excel or CSV. You cannot connect to private databases (like SQL server, Oracle) or any other live data sources.

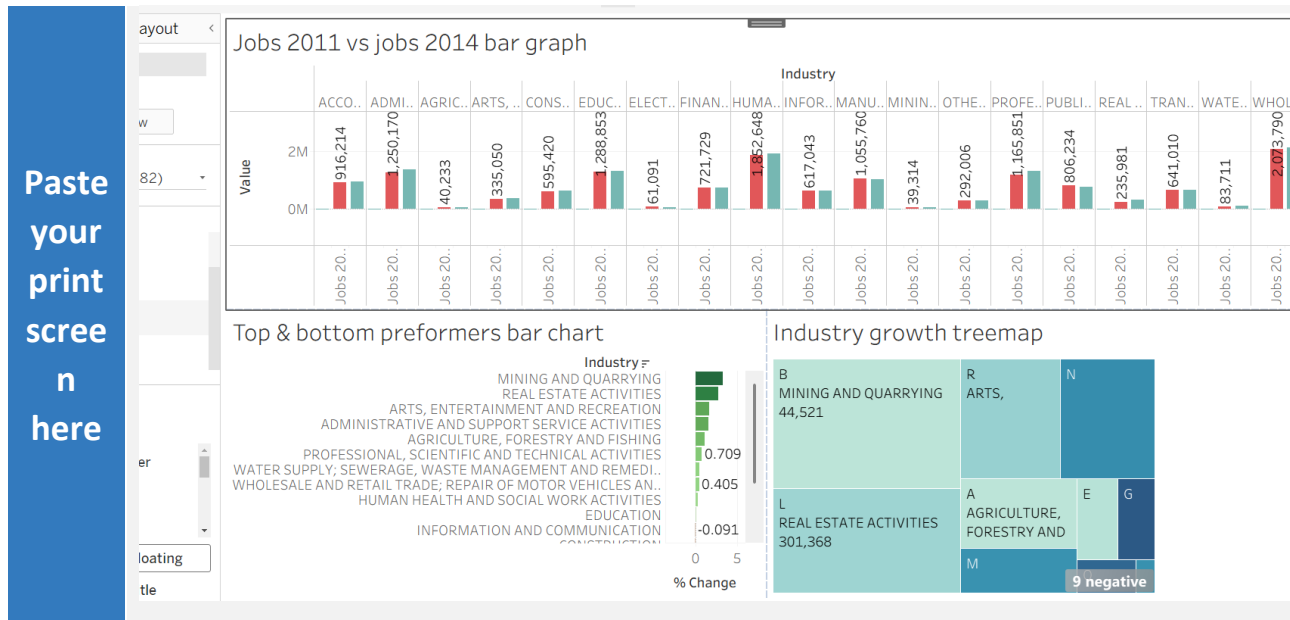


No live connections: you can only import a static snapshot of your data. You cannot create a live connection that updates automatically.



Day 1: Task 2

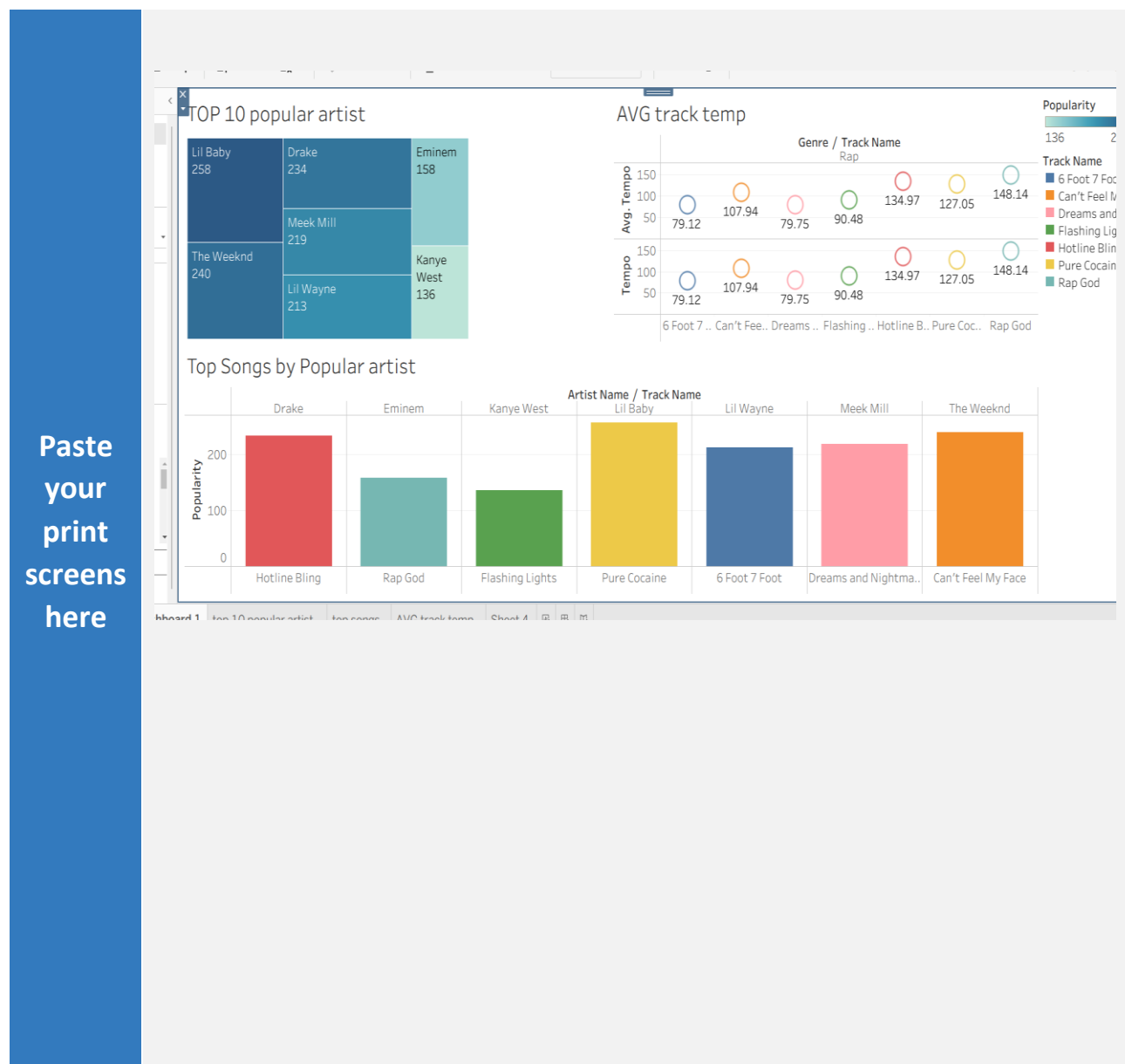
Using the *EMSI_JobChange_UK* dataset, create your own dashboard, I want to see a bar chart showing percentage change and a UK based map showing the key city locations impacted.



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:

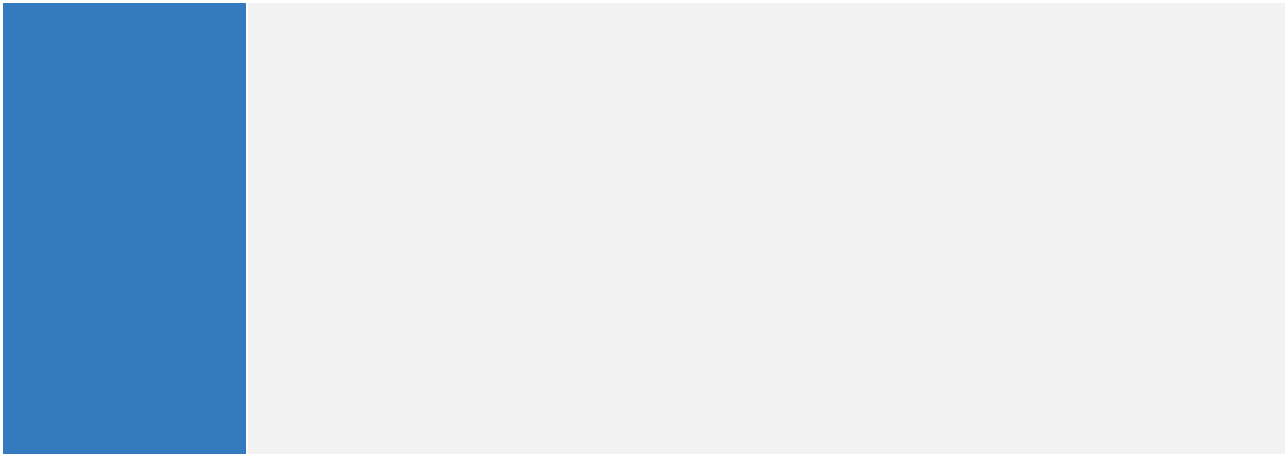


What did you find?

High popularity does not mean high temp.

Trend: there is no direct correlation a song a songs popularity and its speed(tempo). The most popular songs span a wide range of tempo. For example, "your AVG track temp" shows popular rap songs have a tempo ranging from very slow (79BPM for "I can't ufeel my face") to very fast (~148BPM for "Rap God").





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.



**ns on
how the
NHS
could
use this?**

BMI vs. Life Expectancy: Countries with higher BMI generally also have higher life expectancy, but there are exceptions (e.g., African countries have lower life expectancy despite low BMI).

How the NHS could use this

Track population health: Monitor BMI and life expectancy trends across regions to spot risk areas early.

Preventive care: Use data to focus on reducing obesity-related illnesses (like liver cancer, diabetes, heart disease).

Resource planning: Forecast where demand for healthcare services may rise due to lifestyle-related conditions.



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"

Paste
your
comple
ted lab
here

https://labclient.labondemand.com/LabClient/53f63532-800f-4d69-a058-62f5f23aaaf6

file 1

File Home Transform Add Column View Tools Help

Close & Apply Close New Source Recent Sources Enter Data Data source settings Data Source... Manage Parameters Parameters Refresh Preview Query Properties Advanced Editor Manage Columns Reduce Rows Sort Split Column Group By Data Type: Text Use First Replace V Transform

Queries [8]

- DimEmployee
- DimEmployeeSalesTerrit...
- DimProduct
- DimReseller
- DimSalesTerritory
- FactResellerSales
- ResellerSalesTargets
- ColorFormats

Table.TransformColumnTypes(Source,{{"Column1", type text}, {"Column2", type text}, {"Column3", type text}})

	Column1	Column2	Column3
1	Color	Background Color Format	Font Color Format
2	Black	#000000	#FFFFFF
3	Blue	#0000FF	#FFFFFF
4	Grey	#808080	#FFFFFF
5	Multi	#BC8F8F	#000000
6	NA	#DCDCDC	#000000
7	Red	#FF0000	#FFFFFF
8	Silver	#C0C0C0	#000000
9	Silver/Black	#696969	#FFFFFF
10	White	#FFFFFF	#000000

3 COLUMNS, 11 ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED AT 2:52 AM

ENG US 3:00 AM 9/19/2025 < Previous

Get Data in Power BI 1 Hr 36 Min Remaining

Instructions Help

Congratulations

You have successfully completed the lab as **Complete**.



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"

Paste
your
complete
d lab here

02-Starter-Sales Analysis [Read-Only] - Power BI Desktop • Last saved: Today at 3:43 AM

File Home Insert Modeling View Optimize Help

Clipboard Data Queries Insert Calculations Sensitivity Share

Build visuals with your data
Select or drag fields from the Data pane into the report canvas.

Filters

Search

Filters on this page
Add data fields here

Filters on all pages
Add data fields here

Visualizations

Build visual

Data

Search

Colorformats
Product
Region
reseller
Sales
Salesperson
salespersonRegion
Targets

Page 1 of 1

28%

Update available (click to download)

ENG US 4:17 AM 9/19/2025

< Previous End >

transform data in Power BI
1 Hr 11 Min Remaining

Instructions Help

Congratulatory

You have successfully completed this lab.
Click End to mark the lab as Complete.

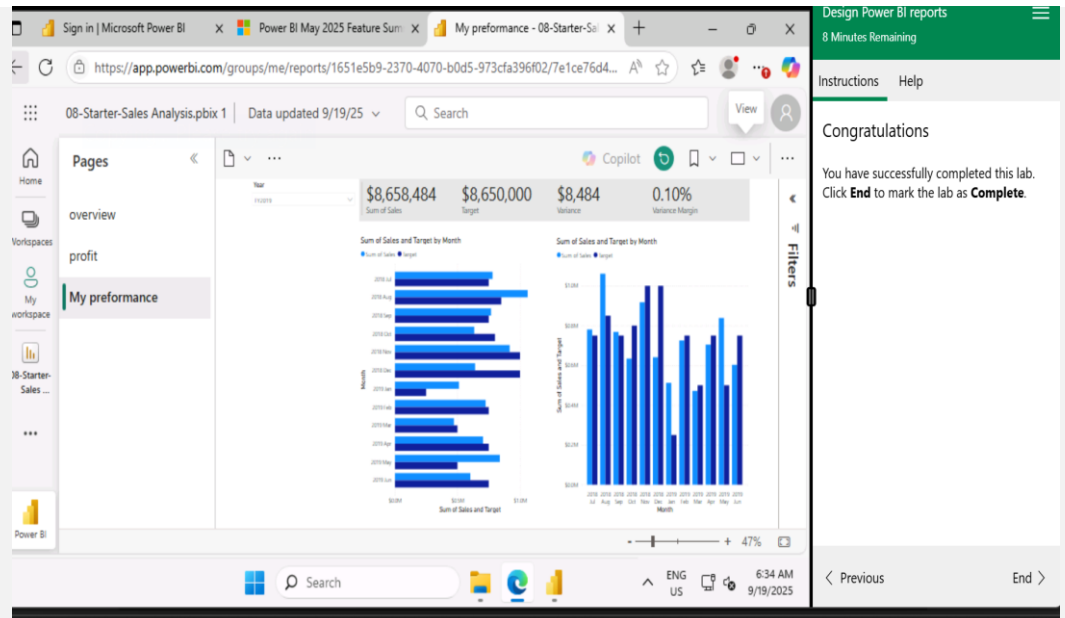


Day 4: Task 1

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"

Paste your
completed
lab here

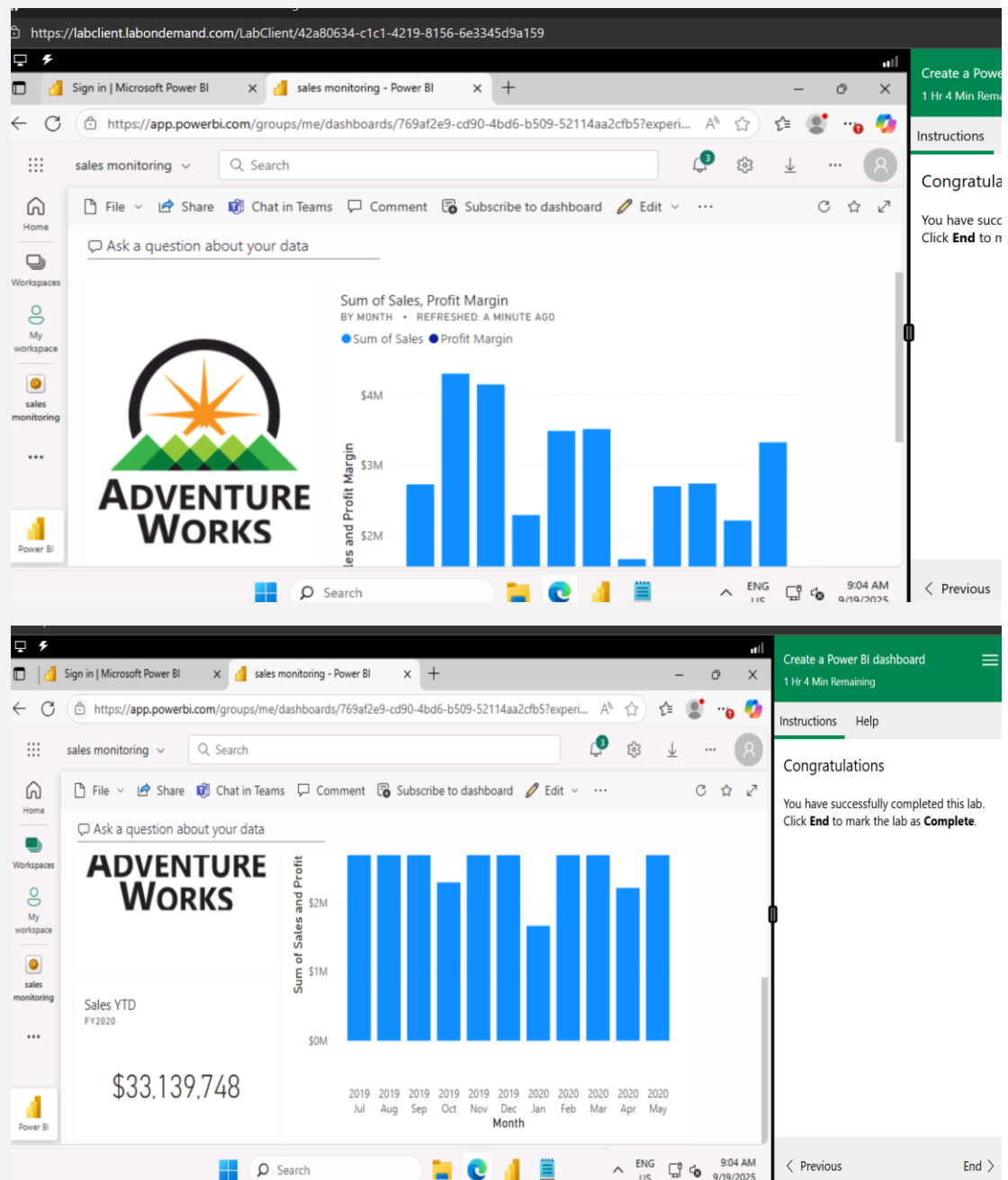


Day 4: Task 2

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"

Paste
your
comple
ed lab
here



Had trouble with the last part of lab 8 and lab 2 importing June 2020 into the graph.



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.

