TECHDUBI2

J7W2 04 - Produce data visualisations to support business insights

Overview

This standard is about producing data visualisations to support business insights.

This involves organising data, creating datasets, developing visualisations and implementing them within Business Intelligence (BI) reports and dashboards.

This standard is for those who need to produce data visualisations to support business insights as part of their duties.

Performance criteria

You must be able to:

1. Agree on the data visualisations required with stakeholders
2. Identify the data required to produce visualisations
3. Connecting data sources to extract data in line with organisational procedures
4. Create and maintain the correct BI datasets in line with organisational requirements
5. Develop visualisations of data using graphs and plots in line with organisational requirements
6. Supporting end users to understand the context of their data through developed visualisations
7. Communicating the visualisations to stakeholders in line with organisational procedures

Knowledge and understanding

You need to know and understand:

1. The organisational data visualisation processes and how to apply them
2. How to prepare data using industry standard approaches to provide visualisations
3. The key concepts in data modelling and how to apply them
4. How to collect and organise data to produce visualisations
5. The different types of data visualisations and their purpose
6. The internal data sources used to generate business insight visualisations
7. The importance of data quality and common quality issues that can arise
8. The privacy and security issues that can arise when handling data
9. The ethical issues that can arise when using data to create business insights and how to manage these
10. The industry standard tools used to create business insight reports and dashboards and how to apply them
11. The types of data and data formats used and how to work with them

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