EDA REPORT OF BOOK STORE

✅ Dataset Description:

Source: Book dataset scraped from a public website.

Fields used: Title, Price (£), Availability.

🔍 Objective:

To explore the **price distribution**, **stock status**, and identify the **most expensive books** in the dataset.

📈 Analysis Highlights:

1. Price Distribution

- A **histogram** (clustered column chart) was created in **Power BI** using **binned price ranges**.

- Majority of books are priced between **£10–£20** and **£50–£60**.

- Helps in identifying pricing trends and ranges with higher frequency.

2. Availability

- **100% of the books are in stock**, indicating high inventory availability and no immediate supply issues.

3. Most Expensive Books

- Based on the dataset, books that are most frequently listed and in demand include:

📘 The Death of Humanity: and the Case for Life - **£ 58.11**

📗 Slow States of Collapse: Poems - **£ 57.31**

📙 Our Band Could Be Your Life: Scenes from the American Indie Underground, 1981-1991 – **£ 57.25**

🧠 Key Insights:

- Books are evenly priced with noticeable spikes in the higher price ranges.

- All items in stock ensure customer access to all titles.

- Top-priced books may require further analysis to determine if pricing aligns with demand or value.

📌 Tools Used:

- **Power BI Desktop**

- Imported cleaned Excel data

- Visuals used:

  - Histogram (Price Distribution)

  - Column Chart (Most Expensive Books)

✅ Conclusion:

The exploratory data analysis of the book dataset reveals that most books are priced between £10 and £20, with a significant number also falling in the higher £50–£60

range. All books are currently in stock, indicating good inventory management. Additionally, a few books are priced significantly higher than the rest, suggesting premium or special edition offerings. This analysis helps understand the overall pricing strategy and stock status, laying the groundwork for deeper business or sales insights in future tasks.