Data preparation step

Step 1 – open power bi

Step 2 – click get data button and text/csv file type option

Step 3 – open file name - Wild Bean Coffee sales LARGE 2019-2021 and click transform data

Step 4 – select column name date and split column by delimiter (/)

step 5 – select all split column by according to date (dd/mm/yyyy) and merge columns

step 6 – save and close power query

Q 1. What’s the total sales amount in GBP by drink category and year?

Step 1 – select stacked column chart and drag to report page

Step 2 – create measure

Total Sales in GBP = SUM('SaleFact'[Sales])

Step 3 – drag total sales in gbp measure in values fields and put Year columns in axis fields and Drink Category columns in Legend fields

Step 4 – in format option turn off y axis title and y axis

Step 5 – turn On data label options

![Chart, bar chart

Description automatically generated]()

Q 2. What are the top 2 products sold per location?

Step 1 – Create New Measure

Top 2 Products =

Var GetProducts = VALUES(SaleFact[Coffee Name])

Return

CALCULATE([Total Sales],

TOPN(2, ALL(SaleFact[Coffee Name]), [Total Sales]), GetProducts)

Step 2 - Select Metrix visuals and drag into report page

Step 3 – Put location, coffee name in rows fields and Top 2 Products Measure in Values Fields

Step 4 - turn on data label options

![A screenshot of a computer

Description automatically generated with low confidence]()

Q 3. Is there a difference in what products are sold in morning and afternoon periods?

Step 1 – Create New Measure

Total Sales = SUM('SaleFact'[Sales])

Step 2 – select clustered column chart and drag into report page

Step 3 – put coffee name columns In axis fields and Period columns Legend fields And drag Total Sales Measure in Values Fields

Step 4- turn on data label options

![Graphical user interface, chart

Description automatically generated with medium confidence]()

Q 4. How did total sales margin and average unit margin change over time by drink category? (sales margin = (price-cost)\*quantity and average unit margin is average margin/quantity)?

Q 5. Show the above metrics in USD as well using the appropriate year-end average exchange rates

Q6. Show a monthly trend of the above metrics, showing the absolute difference vs previous month and same month last year

Step 1– Create New Measure

Sales margin = ([Total Sales]-[Total Cost])\*[Total Quantity]

Sales margin LY = CALCULATE('Measure'[Sales margin],SAMEPERIODLASTYEAR('Date'[Date]))

Margin Diff = If(ISBLANK([Sales margin LY]),BLANK(), 'Measure'[Sales margin] - [Sales margin LY])

Step 2 - select Line and clustered column chart and drag into report page

Step 3 - put Drink Category columns And Month columns In Shared axis fields and Sale margin, Sales margin LY Measures in columns Values fields And drag Margin Diff Measure in Lines Values Fields

Step 4- turn on data label options

![A picture containing diagram

Description automatically generated]()