

KULLIYAH OF INFORMATION & COMMUNICATION TECHNOLOGY

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SEMESTER 2, 2021/2022

SEM1 INFO 4311 DATA WAREHOUSING

SECTION 01

**TITLE: FINAL INDIVIDUAL ASSESSMENT 2**  
**(REPORT PRESENTATION)**

PREPARED BY:

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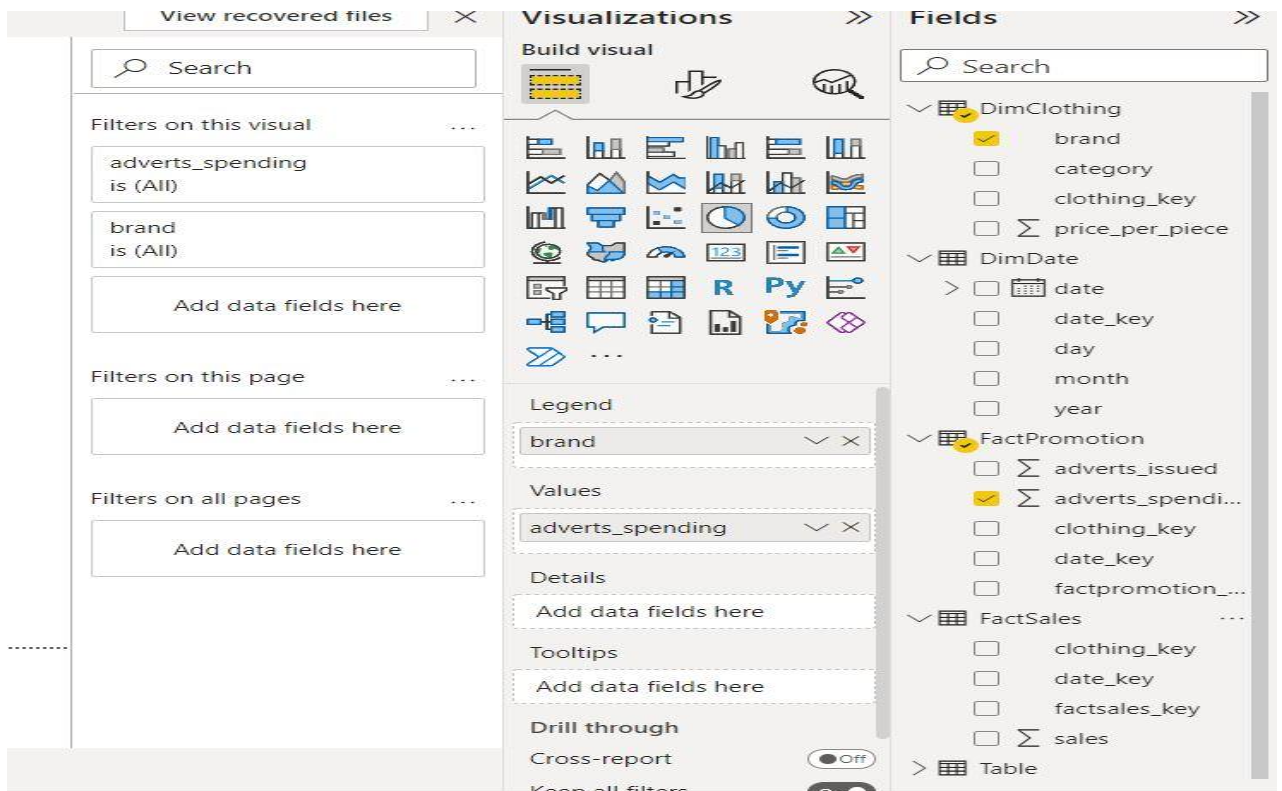
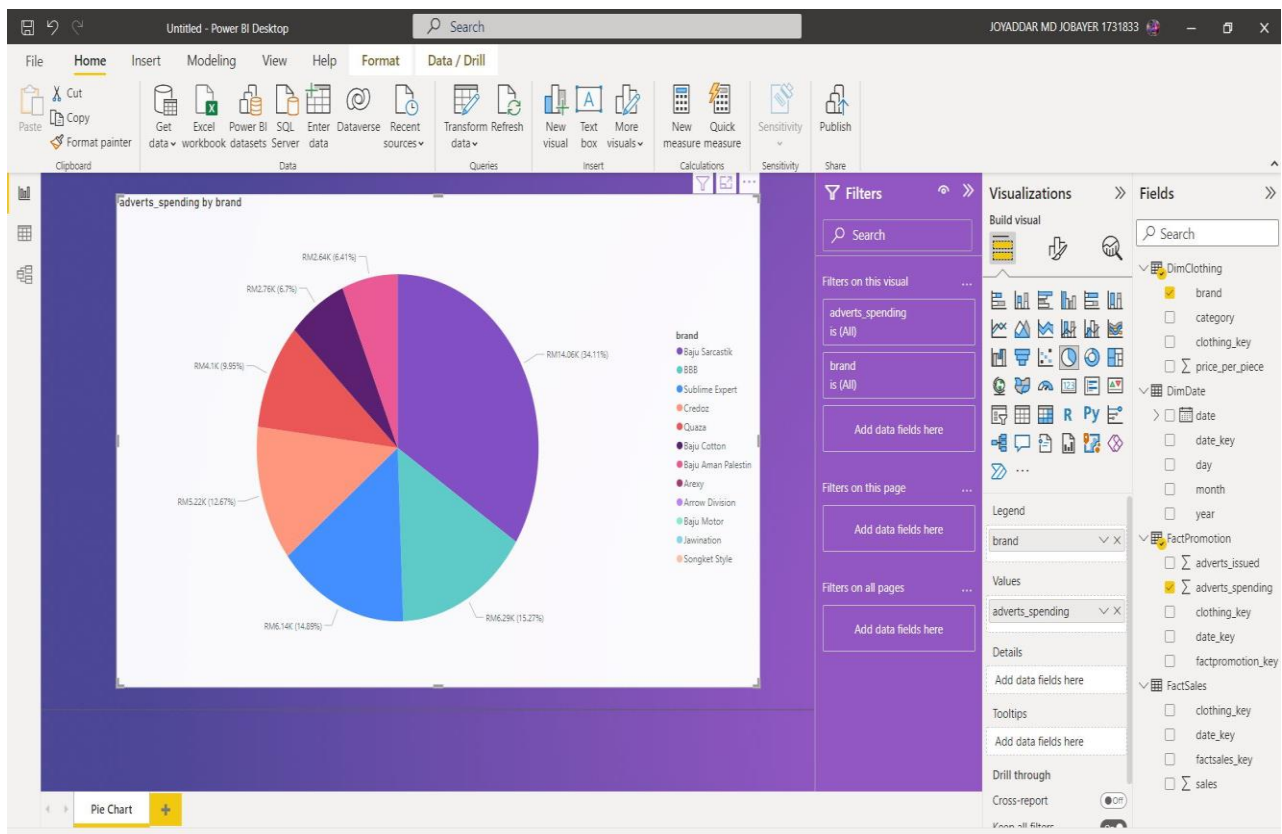
LECTURER

LILI MARZIANA BT. ABDULLAH

DUE

23 JUNE 2022

## 1. Query 1: Finding adverts spending by using brand.

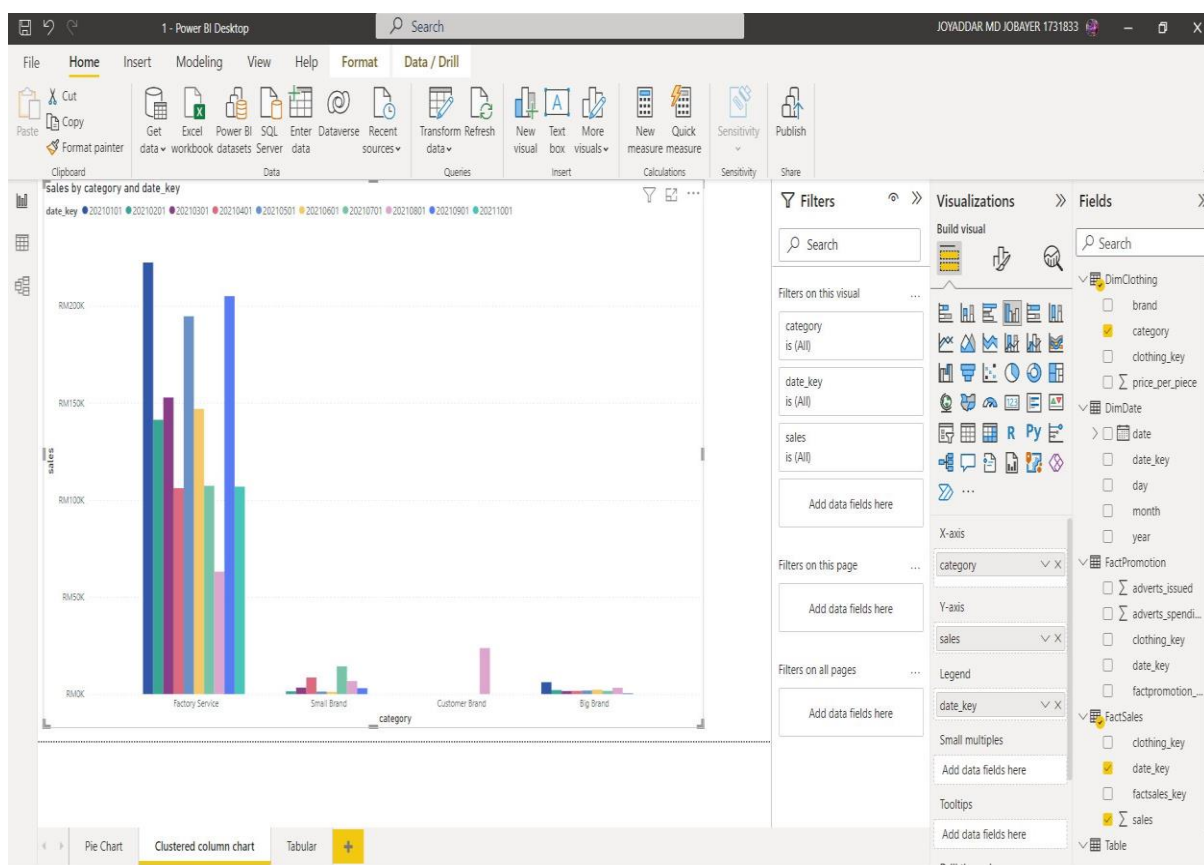


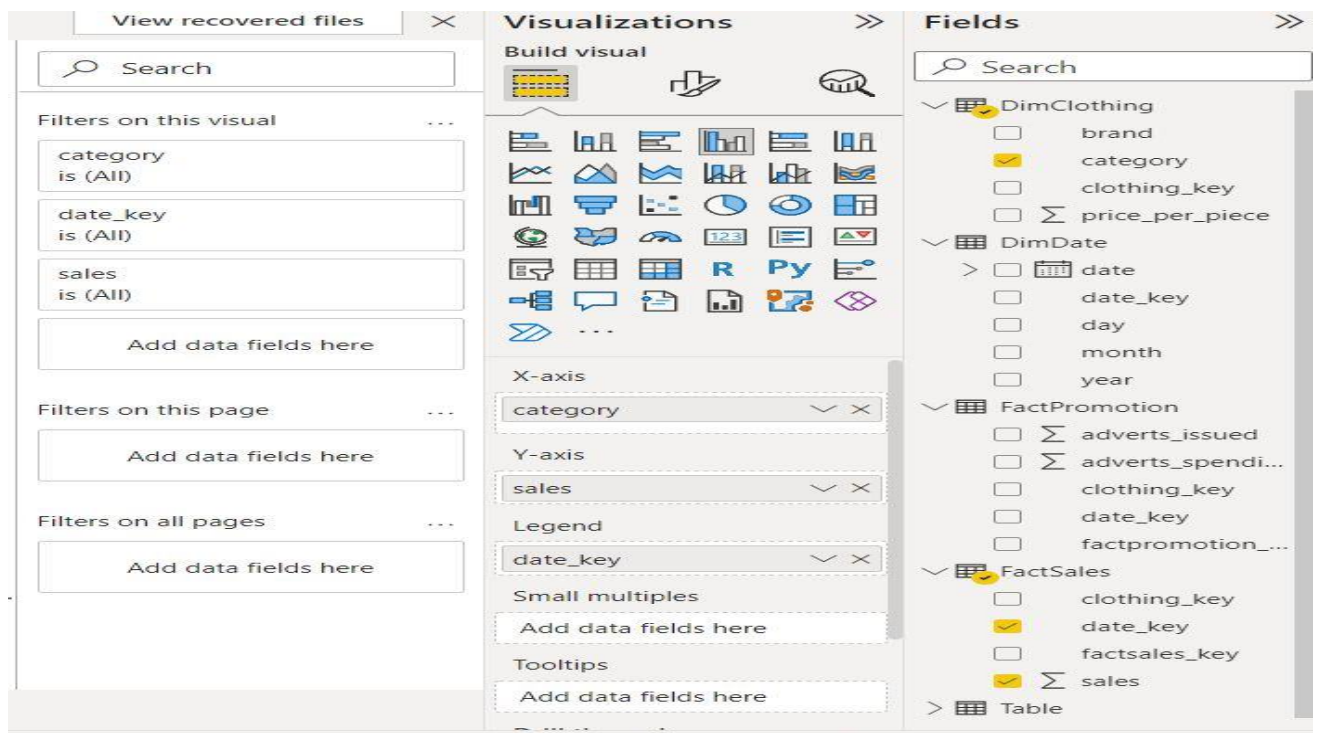
\*\*\* The Pie chart shows, adverts\_spending according to the brand. The pie chart made using fields (DimClothing, FactPromotion) and values (adverts\_spending). As we can see in the pie chart the highest adverts\_spending by brand (Baju Sarcastic) which was (14.06K RM ) about 34.11%. The second highest adverts\_spending by brand (BBB) which was (6.29K RM ) about 15.27%. Rest of the brand were Sublime Expert 14.89% , CredoZ 12.67%,Quaza 9.95% and Baju Cotton were 6.7% .The lowest adverts\_spending by brand was in Baju Aman Palestin.

### Advantage:

Advantage: In Power BI, pie charts are frequently used to illustrate the percentage contributions of different products, processes, and categories in order to assess their performance. As a result, The Pie chart shows, adverts\_spending according to the brand. According to the brand name such as (Baju Sarcastic, BBB, Sublime Expert, CredoZ, Quaza, Baju Cotton and Baju Aman Palestin). The KP company will be able to quickly determine the total adverts\_spending that have occurred throughout their organisation based on their brand.

### Query 2: Total amount of sales according to Category and Date key.





\*\*\*Clustered column chart. column chart with clusters. The X axis shows what value is specified over here will appear on the X axis. Following that, the legend will work on the visualisation and spit out the values in accordance with the legend (date key) on the columns. The value by which the aggregation is desired will then be included in the value. So, in this chart as we can see, in the x- axis have used Category data from the DimClothing. y- axis have used Sales data from the Fact Sales. For visualization, Factory service Category sales were highest in 1st month 2021 which were total 222316 RM where small brand, big brand, customer brand were lowest compared to factory service category. It is continuously up and down month by month from January (1) to October (10). Also, as we can see in the graph, the lowest amount is in service category sales the month of the August which was 63000 RM.

### Advantage:

The industry standard for comparing a single statistic across numerous categories is a bar chart. Unquestionably, bar charts are among the most often used. KP may show trends and outliers, emphasise differences between Cloth Category, and show historical highs and lows in an instant. Bar chart display a frequency distribution for each data category. Show proportions or relative counts for several categories. Present a visual summary of a sizable data set. Tables don't adequately explain trends. Then estimate important values.



### Query 3. Total sales and adverts spending based on the month and category.

1 - Power BI Desktop

JOVADDAR MD JOBAVER 1731833

File Home Insert Modeling View Help Format Data / Drill

Paste Copy Cut Get data Excel Power BI SQL Enter data Datasource Recent sources Transform Refresh data New visual Text box More visuals New Quick measure measure Sensitivity Publish

Clipboard Data Queries Insert Calculations Sensitivity Share

5 TABLES

category	month	year	adverts_spending	sales
Factory Service	1	2021	RM1,477.21	RM222,316.9
Factory Service	9	2021	RM1,075.51	RM204,988.81
Factory Service	5	2021	RM941.39	RM194,625
Factory Service	3	2021	RM1,345.52	RM152,791.8
Factory Service	6	2021	RM539.42	RM146,905.4
Factory Service	2	2021	RM2,863.84	RM141,299.1
Factory Service	7	2021	RM881.32	RM107,288
Factory Service	10	2021	RM1,901.09	RM106,864.22
Factory Service	4	2021	RM892.02	RM106,099
Factory Service	8	2021	RM513.25	RM63,074.4
Customer Brand	8	2021	RM2,640.08	RM23,710.5
Small Brand	7	2021	RM4,867.35	RM14,265
Small Brand	4	2021	RM1,680.01	RM8,540
Small Brand	8	2021	RM5,546.98	RM6,687
Big Brand	1	2021	RM0	RM6,122.59
Small Brand	3	2021	RM1,121.99	RM3,330
Total			RM41,215.67	RM1,530,342.57

Visualizations

Build visual

Filters on this visual

- adverts\_spending is (All)
- category is (All)
- month is (All)
- sales is (All)
- year is (All)

Filters on this page

Filters on all pages

Columns

- category
- month
- year
- adverts\_spending
- sales

Drill through

Cross-report

Keep all filters

Add drill-through fields here

Fields

Search

- DimClothing
  - brand
  - category
  - clothing\_key
  - price\_per\_piece
- DimDate
  - date
  - date\_key
  - day
  - month
  - year
- FactPromotion
  - adverts\_issued
  - adverts\_spendi...
  - clothing\_key
  - date\_key
  - factpromotion...
- FactSales
  - clothing\_key
  - date\_key
  - factsales\_key
  - sales
- Table

Pie Chart Clustered column chart Tabular

View recovered files

Search

Filters on this visual

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- year is (All)

Add data fields here

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

Visualizations

Build visual

Columns

- category
- month
- year
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- sales

Drill through

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  - factsales\_key
  - sales
- Table

\*\*\*Table that contains KP related data in a logical series of rows and columns. This table works well with total sales and adverts\_spending based on the month and cloth category. This table displays different different things. To view precise KP values and detailed data in a tabular format, this table was produced. In this table 1 to 10 months showed as well as 4 category showed which were factory service , small, big and custom . This table will help to find total adverts\_spending and sales amount based on Cloth Category and month of the year.

For example, KP company wants to see Factory service the month of September the amount of sales and the amount of adverts\_spending, then the company can see easily this record in the table .

**Tabular Advantage:** The organisation KP will benefit from employing this tabular approach because it will make their data modelling simple and flexible. Tabulated data is simple to comprehend and interpret. Due of the data's organised and condensed presentation, tabulation makes comparison easier. It conserves time and space.