

# Practice Exercise

## Objective:

This assignment aims to enhance practical skills in using DAX within Power BI to create measures and calculated columns using CALCULATE (), ALL (), ALLEXCEPT () DAX functions. You will work with sales dataset containing data on clothing and accessories.

## Dataset:

apparels\_dataset.xlsx

## Tasks:

- 1. Matrix Visualization:** Construct a matrix to display the percentage contribution of each category to the total sales. This will provide insights into each category's relative performance within overall sales. (total sales = SUM(sale\_amount)). The total\_sales column values shouldn't change when a filter like category or brand is applied.

| category    | category_sales | total_sales | % contribution |
|-------------|----------------|-------------|----------------|
| Casual wear | 37200          | 104100      | 35.73%         |
| Formal      | 28100          | 104100      | 26.99%         |
| Accessories | 20000          | 104100      | 19.21%         |
| -----       | -----          | -----       | -----          |
| -----       | -----          | -----       | -----          |

category ✓

☐ Accessories

☐ Casual wear

☐ Formal

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brand ✓

☐ Bevis

☐ Dress code

☐ Fashion King

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2. **Card Visualization:** Create a card visual to showcase sales by category.

Configure this to respond only to category-specific filters applied to the sales table, ensuring it remains unaffected by other types of filters.



104K  
sales by category



Category v

- ☐ Accessories
- ☐ casual wear
- ☐ Semi Formal
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Note:- Here, only category filter work. If you drag the Brand or product name column make it a slicer, it will not work because of `ALLEXCEPT()` DAX function.