

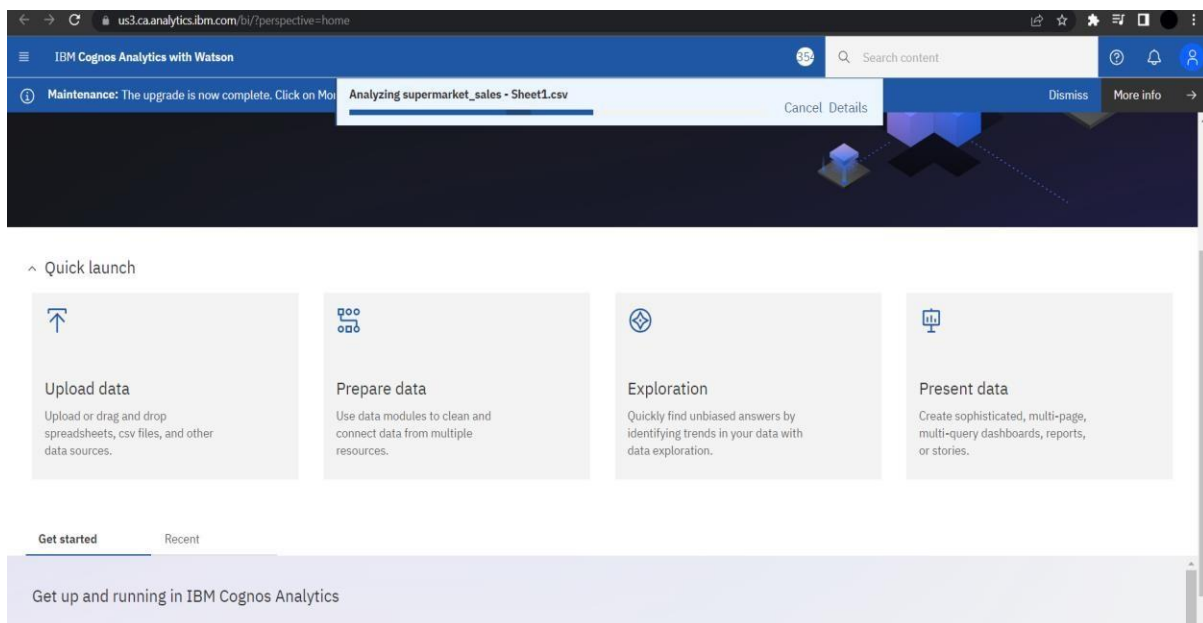
# SUPERMARKET SALES DATA ANALYSIS

**NAME:** PAVITHRA S

**TEAM ID:** NM2023TMID02095

## TASKS:

### 1. UPLOADING THE DATA SET



## 2. CREATING DATA MODULE:

The screenshot displays the IBM Cognos Analytics web interface. The top navigation bar includes the IBM logo, the text 'IBM Cognos Analytics with Watson', a 'New data module' dropdown, a search bar, and user profile icons. The main workspace is divided into three sections: a left-hand 'Data module' pane, a top navigation bar for the workspace, and a central data grid.

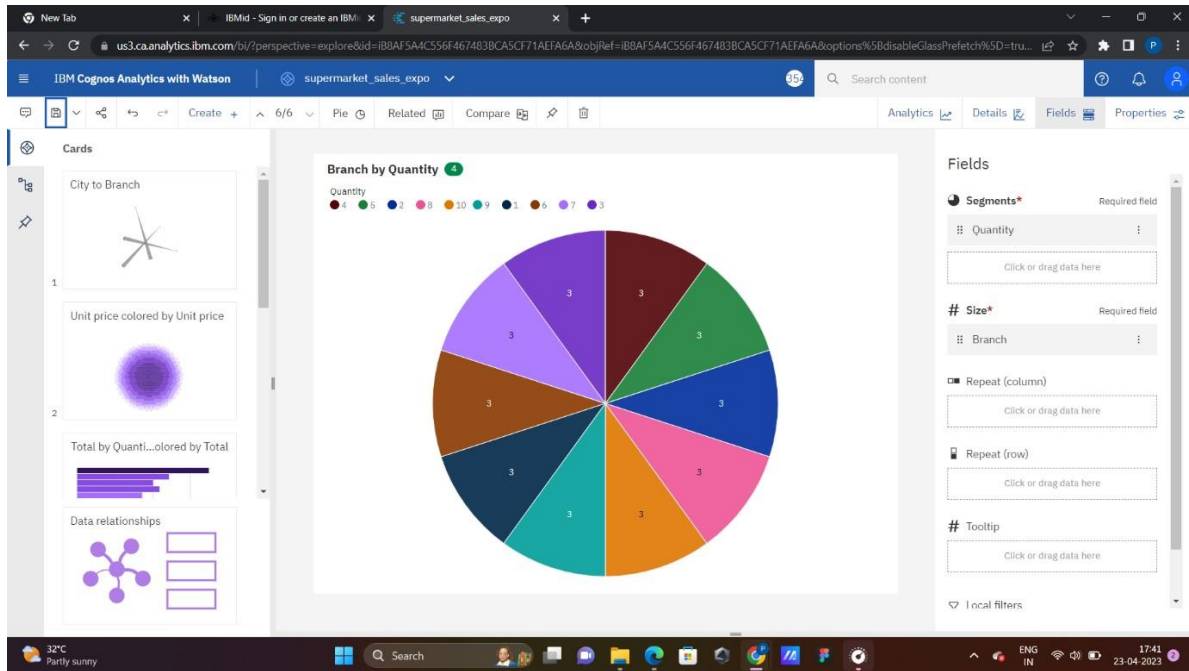
The 'Data module' pane on the left shows a tree view for the 'supermarket1.csv' data source. It lists various fields: Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, Payment, cogs, gross margin percentage, gross income, and Profit.

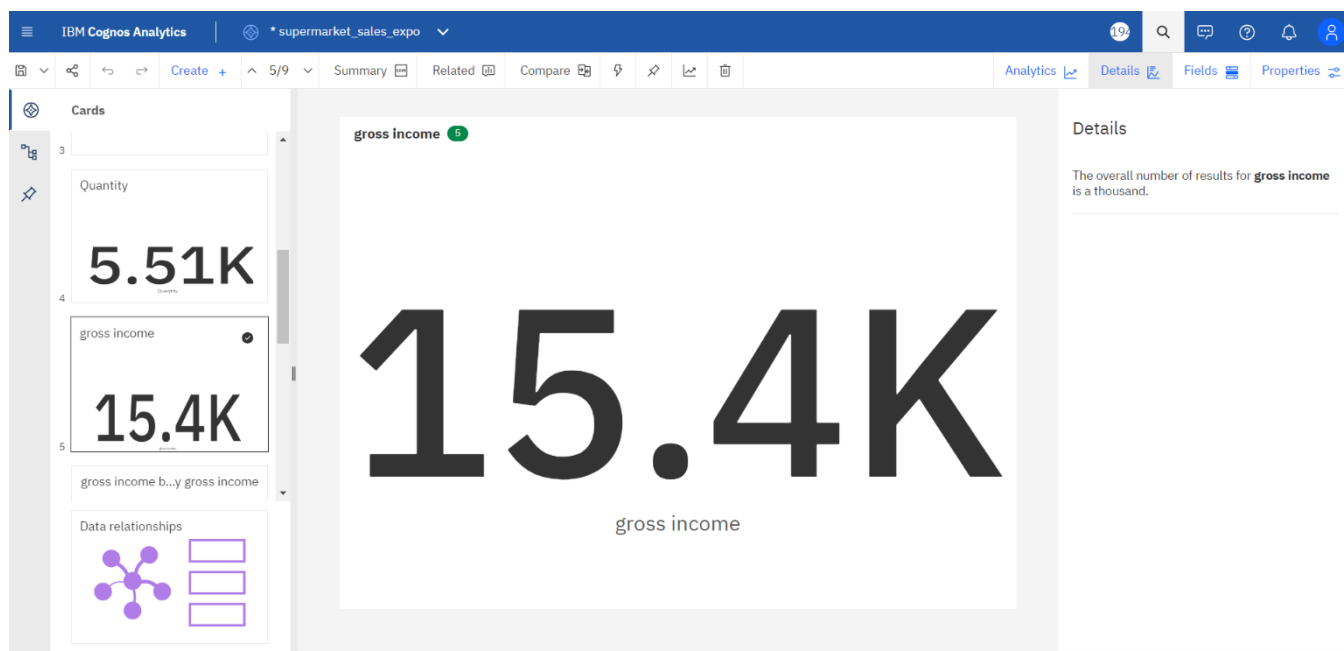
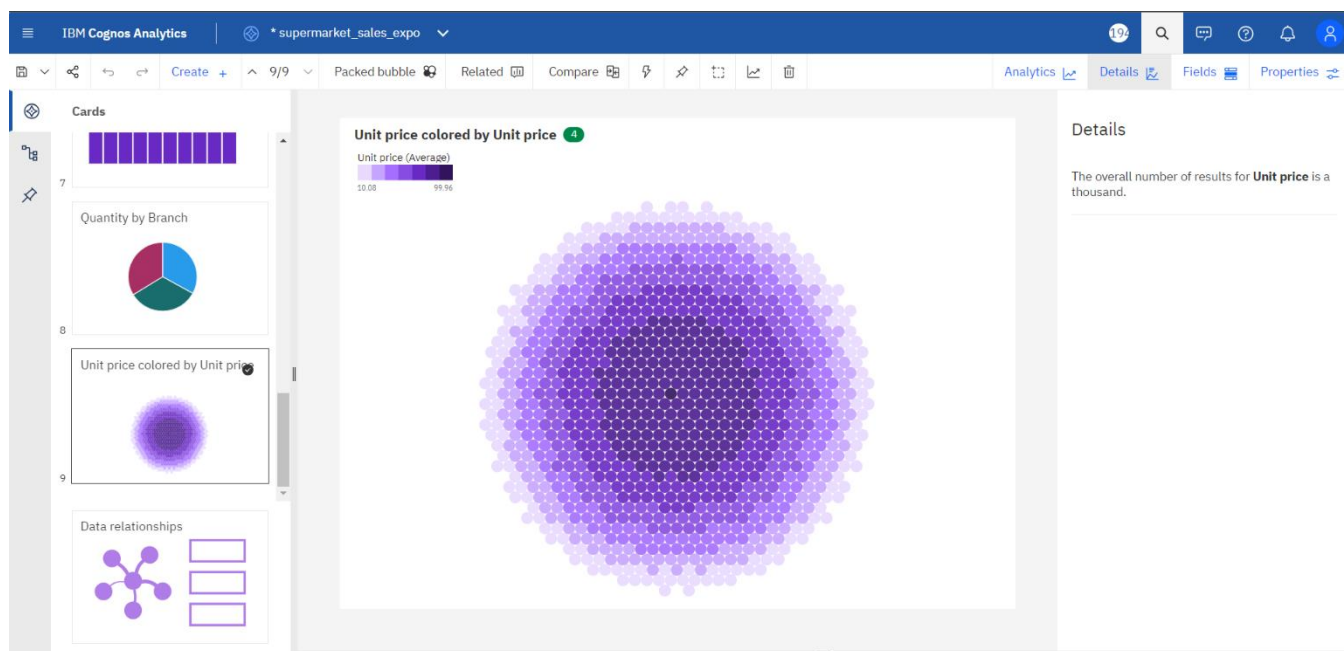
The top workspace navigation bar includes tabs for 'Grid' (selected), 'Relationships', and 'Custom tables'. Below this is a search bar and a 'Properties' icon.

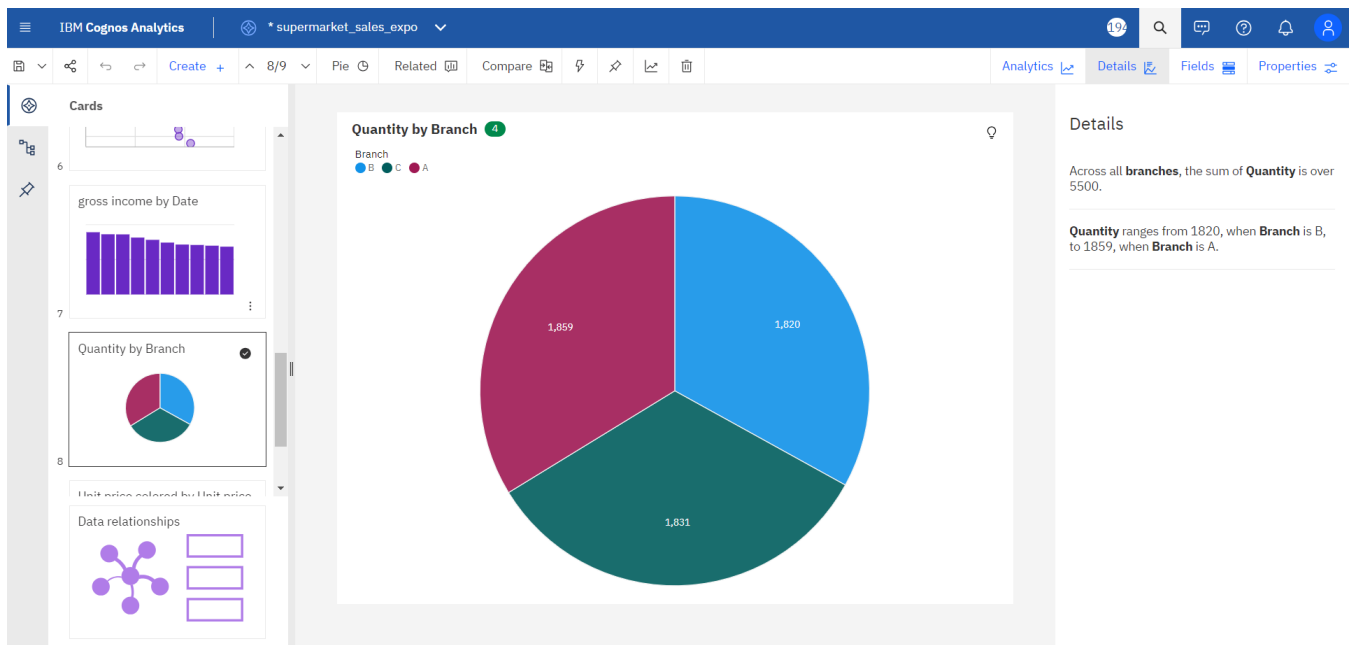
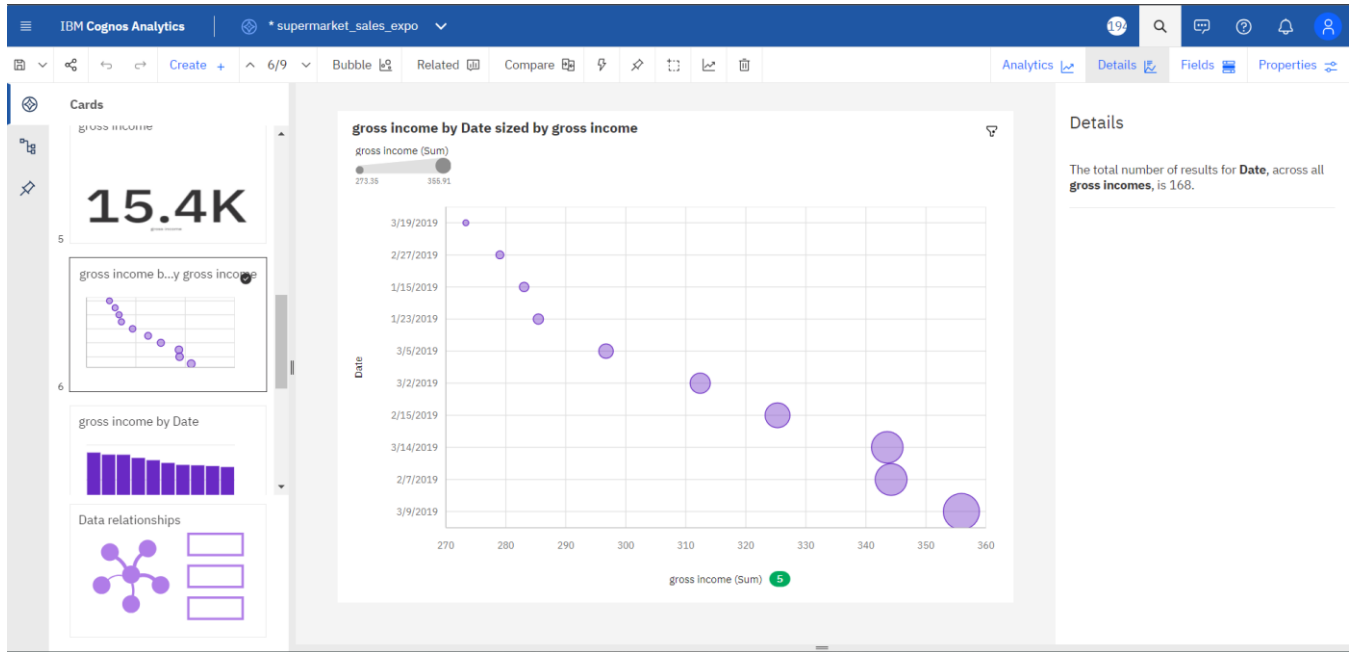
The central data grid displays a table with 8 columns: Invoice ID, Branch, City, Customer type, Gender, Product line, and Unit price. The table contains 18 rows of data, with the last row showing a summary of the total unit price.

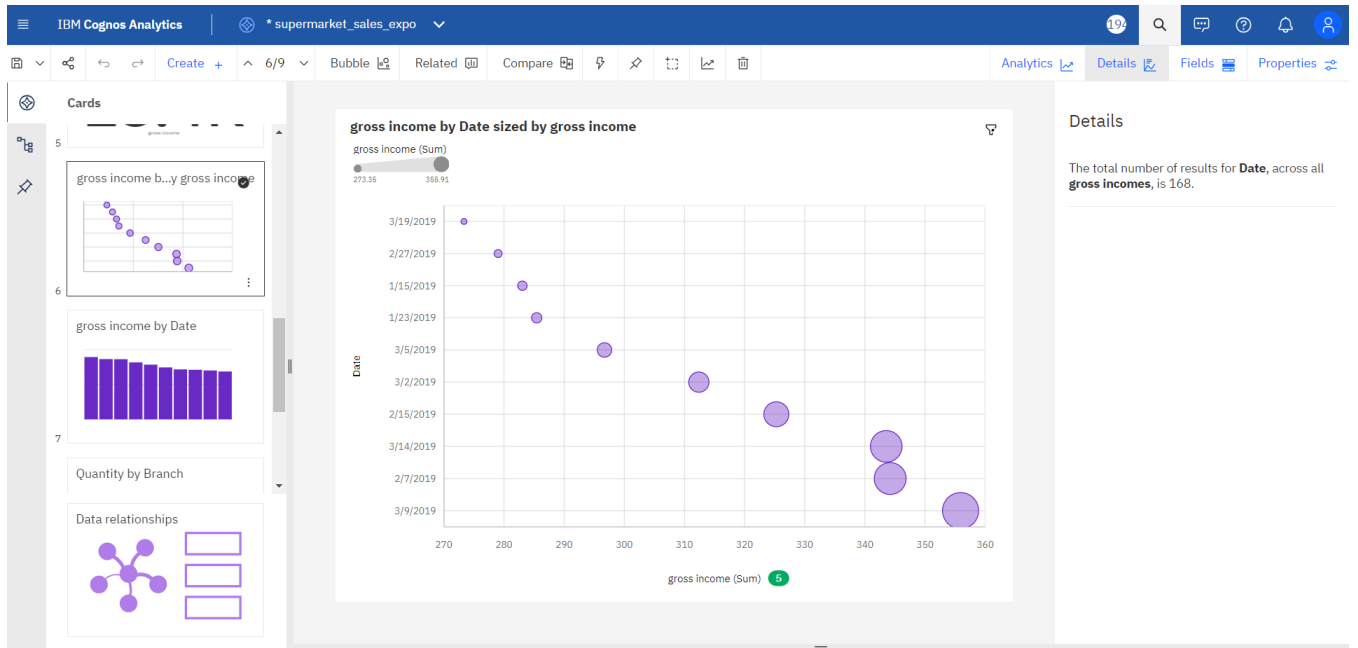
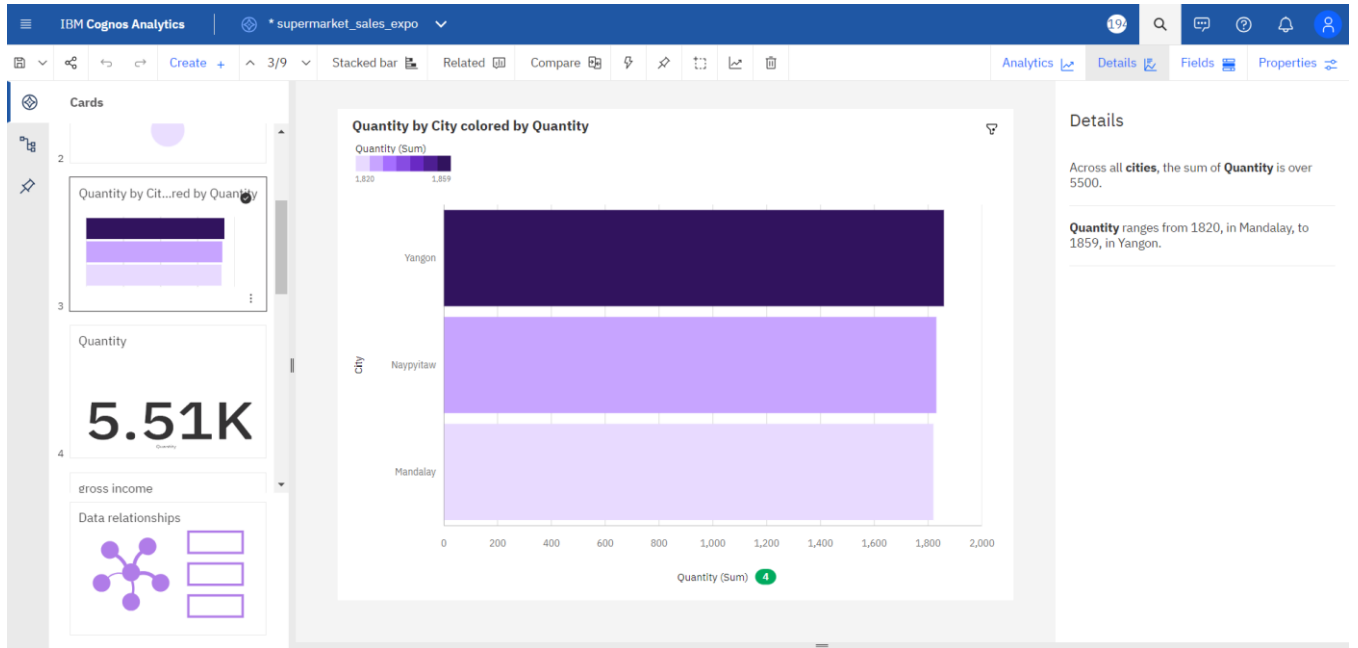
Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price
750-67-8428	A	Yangon	Member	Female	Health and beauty	74.69
226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories	15.28
631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.33
123-19-1176	A	Yangon	Member	Male	Health and beauty	58.22
373-73-7910	A	Yangon	Normal	Male	Sports and travel	86.31
699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories	85.39
355-53-5943	A	Yangon	Member	Female	Electronic accessories	68.84
315-22-5665	C	Naypyitaw	Normal	Female	Home and lifestyle	73.56
665-32-9167	A	Yangon	Member	Female	Health and beauty	36.26
692-92-5582	B	Mandalay	Member	Female	Food and beverages	54.84
351-62-0822	B	Mandalay	Member	Female	Fashion accessories	14.48
529-56-3974	B	Mandalay	Member	Male	Electronic accessories	25.51
365-64-0515	A	Yangon	Normal	Female	Electronic accessories	46.95
750-67-8428	A	Yangon	Normal	Male	Food and beverages	74.69

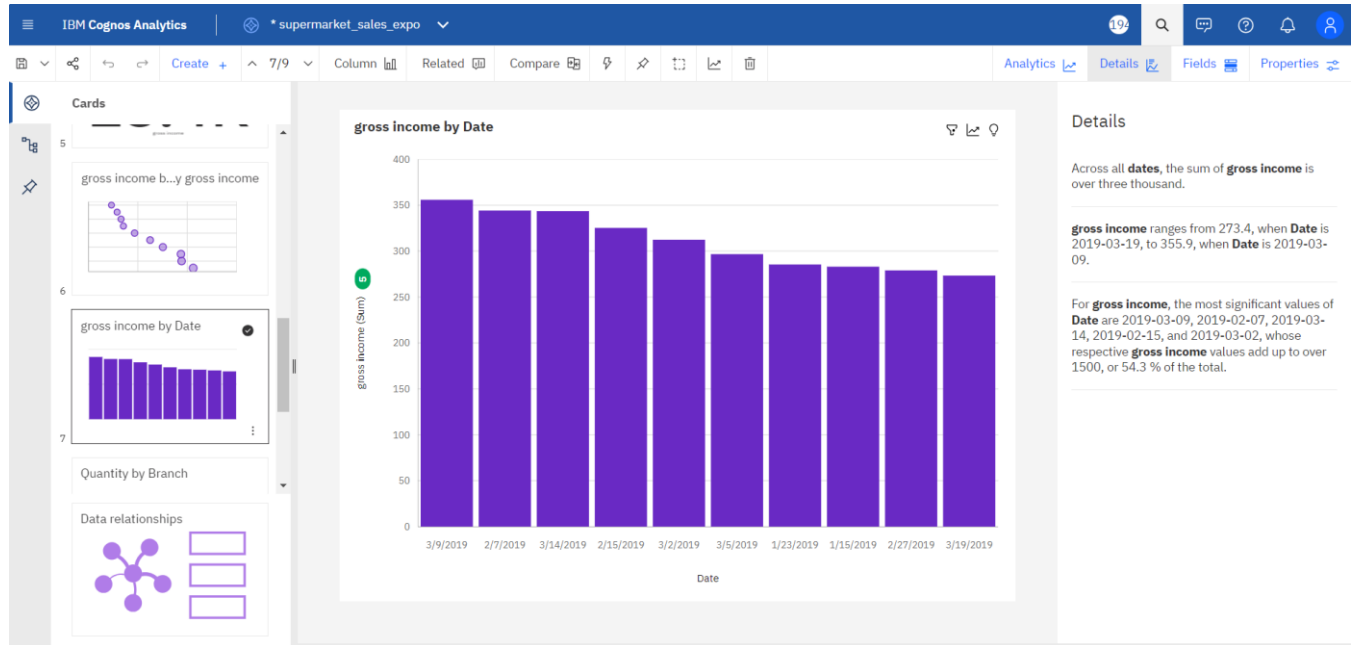
### 3. DATA EXPLORATION



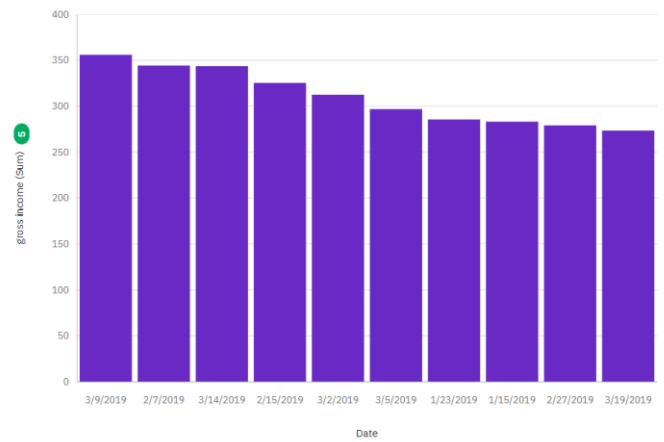








gross income by Date



## Details

Across all **dates**, the sum of **gross income** is over three thousand.

**gross income** ranges from 273.4, when **Date** is 2019-03-19, to 355.9, when **Date** is 2019-03-09.

For **gross income**, the most significant values of **Date** are 2019-03-09, 2019-02-07, 2019-03-14, 2019-02-15, and 2019-03-02, whose respective **gross income** values add up to over 1500, or 54.3 % of the total.

