

Assignment 01

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Creating the data model-

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane displays a search bar and a list of fields from the 'supermarke...Sheet1.csv' file. The fields include: Row Id, Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Total, Date, Time, Payment, cogs, gross mar...centage, gross income, and Rating. The main area shows a grid view of the data with 21 rows and 10 columns. The columns are: Row Id, Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, and Quantity. The data represents sales transactions for a supermarket.

| Row Id | Invoice ID | Branch | City | Customer type | Gender | Product line | Unit price | Quantity |
|--------|-------------|--------|-----------|---------------|--------|------------------------|------------|----------|
| 1 | 750-67-8428 | A | Yangon | Member | Female | Health and beauty | 74.69 | 7 |
| 2 | 226-31-3081 | C | Naypyitaw | Normal | Female | Electronic accessories | 15.28 | 5 |
| 3 | 631-41-3108 | A | Yangon | Normal | Male | Home and lifestyle | 46.33 | 7 |
| 4 | 123-19-1176 | A | Yangon | Member | Male | Health and beauty | 58.22 | 8 |
| 5 | 373-73-7910 | A | Yangon | Normal | Male | Sports and travel | 86.31 | 7 |
| 6 | 699-14-3026 | C | Naypyitaw | Normal | Male | Electronic accessories | 85.39 | 7 |
| 7 | 355-53-5943 | A | Yangon | Member | Female | Electronic accessories | 68.84 | 6 |
| 8 | 315-22-5665 | C | Naypyitaw | Normal | Female | Home and lifestyle | 73.56 | 10 |
| 9 | 665-32-9167 | A | Yangon | Member | Female | Health and beauty | 36.26 | 2 |
| 10 | 692-92-5582 | B | Mandalay | Member | Female | Food and beverages | 54.84 | 3 |
| 11 | 351-62-0822 | B | Mandalay | Member | Female | Fashion accessories | 14.48 | 4 |
| 12 | 529-56-3974 | B | Mandalay | Member | Male | Electronic accessories | 25.51 | 4 |
| 13 | 365-64-0515 | A | Yangon | Normal | Female | Electronic accessories | 46.95 | 5 |
| 14 | 252-56-2699 | A | Yangon | Normal | Male | Food and beverages | 43.19 | 10 |
| 15 | 829-34-3910 | A | Yangon | Normal | Female | Health and beauty | 71.38 | 10 |
| 16 | 299-46-1805 | B | Mandalay | Member | Female | Sports and travel | 93.72 | 6 |
| 17 | 656-95-9349 | A | Yangon | Member | Female | Health and beauty | 68.93 | 7 |
| 18 | 765-26-6951 | A | Yangon | Normal | Male | Sports and travel | 72.61 | 6 |
| 19 | 329-62-1586 | A | Yangon | Normal | Male | Food and beverages | 54.67 | 3 |
| 20 | 319-50-3348 | B | Mandalay | Normal | Female | Home and lifestyle | 40.3 | 2 |
| 21 | 300-71-4605 | C | Naypyitaw | Member | Male | Electronic accessories | 86.04 | 5 |

Deleting the unnecessary column-

IBM Cognos Analytics Assign01

Properties

Data module

Search

Assign01

- Navigation paths
- supermarke...Sheet1.csv
 - # Row Id
 - Invoice ID
 - Branch
 - City
 - Customer type
 - Gender
 - Product line
 - Unit price
 - Quantity
 - Tax 5%
 - Total
 - Date
 - Time
 - Payment
 - cogs
 - gross mar...ercentage
 - gross income
 - Rating

Grid Relationships Custom tables

| # | price | Quantity | Tax 5% | Total | Date | Time | Payment | cogs |
|---|-------|----------|----------|-----------|----------|------|-------------|------|
| 9 | 7 | 26.1415 | 548.9715 | 1/5/2019 | 13:00:00 | | | 522. |
| 8 | 5 | 3.82 | 80.22 | 3/8/2019 | 10:00:00 | | | 76.4 |
| 3 | 7 | 16.2155 | 340.5255 | 3/3/2019 | 13:00:00 | | | 324. |
| 2 | 8 | 23.288 | 489.048 | 1/27/2019 | 20:00:00 | | | 465. |
| 1 | 7 | 30.2085 | 634.3785 | 2/8/2019 | 10:00:00 | | | 604. |
| 9 | 7 | 29.8865 | 627.6165 | 3/25/2019 | 18:00:00 | | | 597. |
| 4 | 6 | 20.652 | 433.692 | 2/25/2019 | 14:00:00 | | | 413. |
| 6 | 10 | 36.78 | 772.38 | 2/24/2019 | 11:00:00 | | | 735. |
| 6 | 2 | 3.626 | 76.146 | 1/10/2019 | 17:15:00 | | Credit card | 72.5 |
| 4 | 3 | 8.226 | 172.746 | 2/20/2019 | 13:27:00 | | Credit card | 164. |
| 8 | 4 | 2.896 | 60.816 | 2/6/2019 | 18:07:00 | | Ewallet | 57.9 |
| 1 | 4 | 5.102 | 107.142 | 3/9/2019 | 17:03:00 | | Cash | 102. |
| 5 | 5 | 11.7375 | 246.4875 | 2/12/2019 | 10:25:00 | | Ewallet | 234. |
| 9 | 10 | 21.595 | 453.495 | 2/7/2019 | 16:48:00 | | Ewallet | 431. |
| 8 | 10 | 35.69 | 749.49 | 3/29/2019 | 19:21:00 | | Cash | 713. |
| 2 | 6 | 28.116 | 590.436 | 1/15/2019 | 16:19:00 | | Cash | 562. |
| 2 | 7 | 24.1255 | 506.4355 | 3/11/2019 | 11:03:00 | | Credit card | 489. |

Splitting the date column into month, date and year-

Edit split column - Date

Specify how to split the column. Select or type one character to use as a delimiter, and specify a maximum of 5 columns to split the column into. You can trim whitespace from the column values and additionally one leading and one trailing character.

Select delimiter

1 / 5 / 2 0 1 9

Type delimiter

/

Trimmed characters

Whitespace

Preview

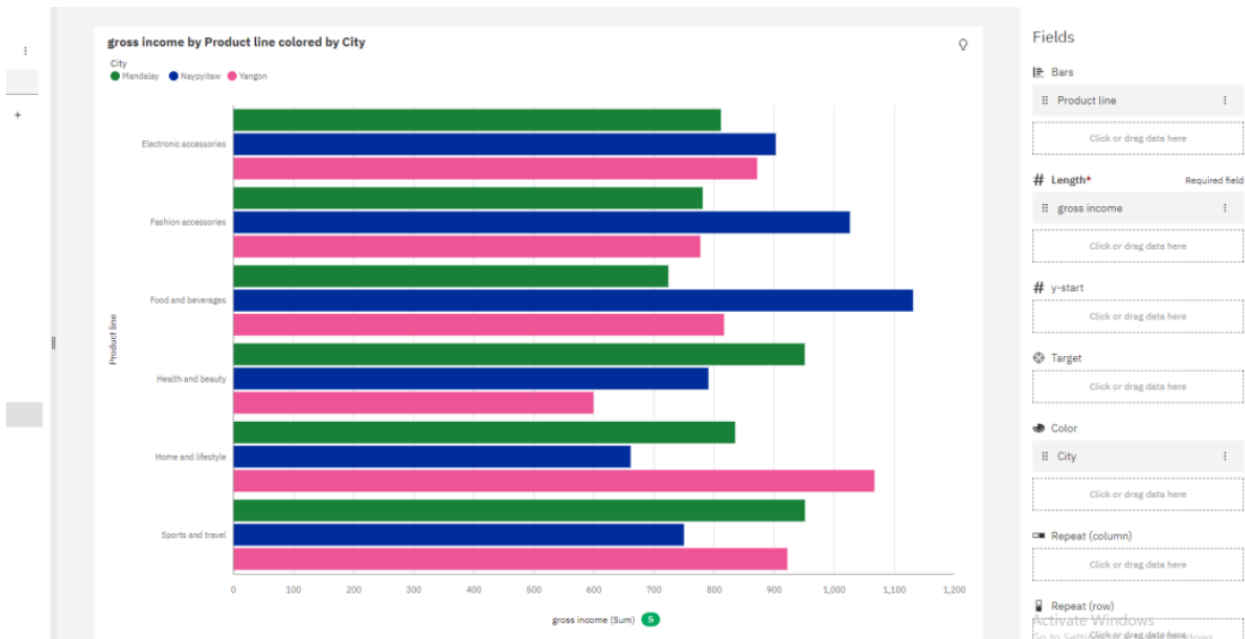
| Date | Month | Date | Year |
|-----------|-------|------|------|
| 1/5/2019 | 1 | 5 | 2019 |
| 3/8/2019 | 3 | 8 | 2019 |
| 3/3/2019 | 3 | 3 | 2019 |
| 1/27/2019 | 1 | 27 | 2019 |
| 2/8/2019 | 2 | 8 | 2019 |
| 3/25/2019 | 3 | 25 | 2019 |
| 2/25/2019 | 2 | 25 | 2019 |
| 2/24/2019 | 2 | 24 | 2019 |

Cancel Next

| Date | Month | Date | Year |
|-----------|-------|------|------|
| 1/5/2019 | 1 | 5 | 2019 |
| 3/8/2019 | 3 | 8 | 2019 |
| 3/3/2019 | 3 | 3 | 2019 |
| 1/27/2019 | 1 | 27 | 2019 |
| 2/8/2019 | 2 | 8 | 2019 |
| 3/25/2019 | 3 | 25 | 2019 |
| 2/25/2019 | 2 | 25 | 2019 |
| 2/24/2019 | 2 | 24 | 2019 |
| 1/10/2019 | 1 | 10 | 2019 |
| 2/20/2019 | 2 | 20 | 2019 |
| 2/6/2019 | 2 | 6 | 2019 |
| 3/9/2019 | 3 | 9 | 2019 |
| 2/12/2019 | 2 | 12 | 2019 |
| 2/7/2019 | 2 | 7 | 2019 |
| 3/29/2019 | 3 | 29 | 2019 |
| 1/15/2019 | 1 | 15 | 2019 |
| 3/11/2019 | 3 | 11 | 2019 |
| 1/1/2019 | 1 | 1 | 2019 |

Visualizations-

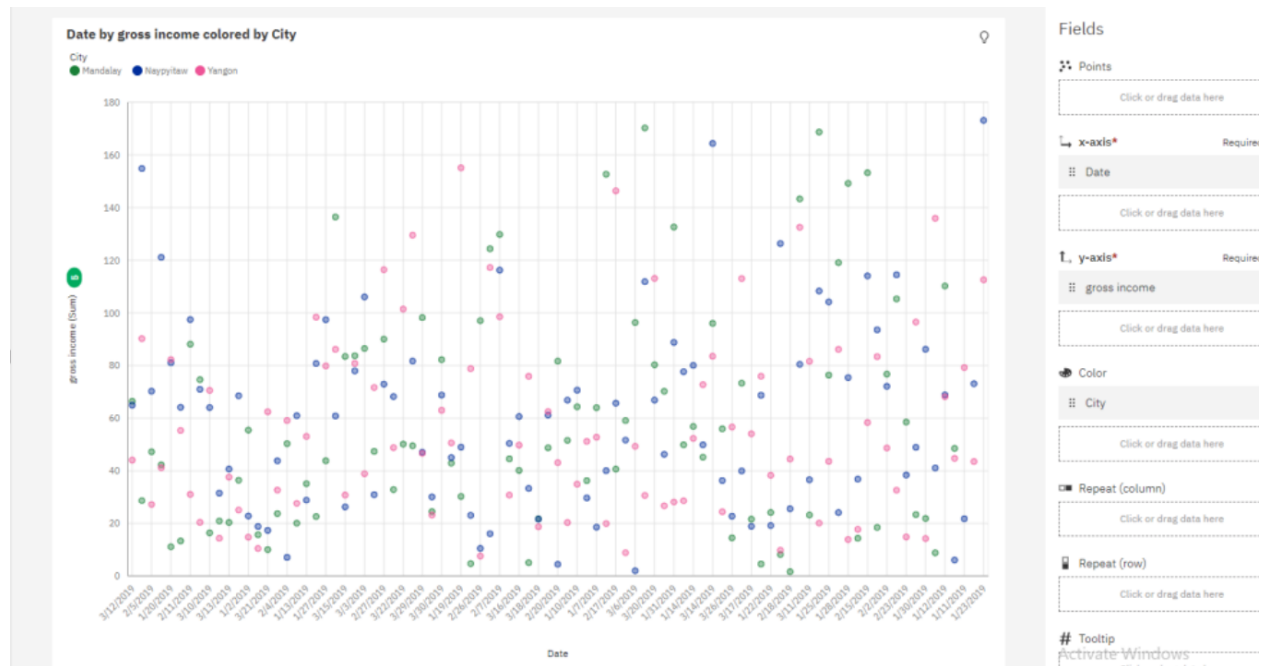
bar- chart



Bubble chart-



Scatter plot-



Pie chart-

