# ASSIGNMENT-1

# Data Analytics with IBM Cognos
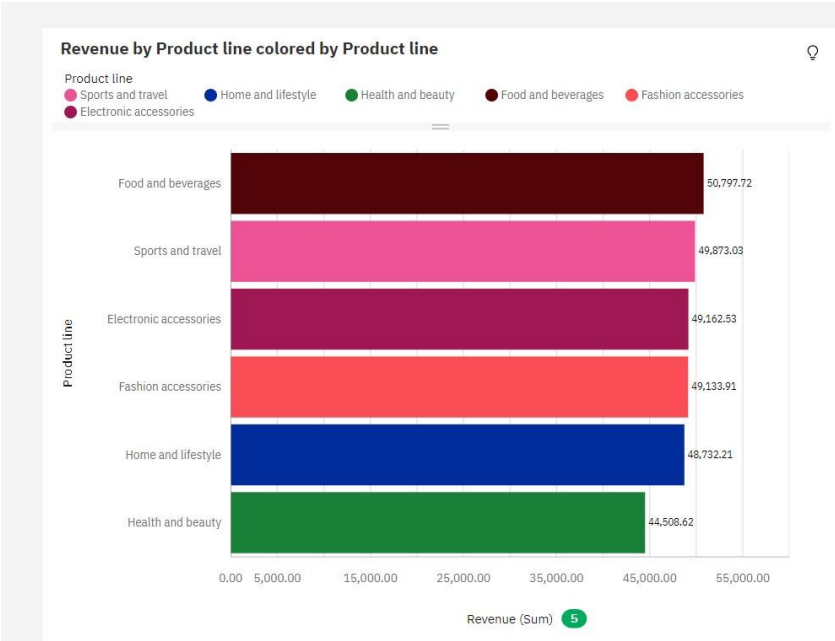
**Name**: J.Harsha Vardhan

**RegNo**: 21BCB7102

**Area:**

# Bar:

**Revenue by Product line colored by Product line**

Product line
- 🟣 Sports and travel
- 🔵 Home and lifestyle
- 🟢 Health and beauty
- 🟤 Food and beverages
- 🔴 Fashion accessories
- 🟣 Electronic accessories

| Product line | Revenue |
|---|---|
| Food and beverages | 50,797.72 |
| Sports and travel | 49,873.03 |
| Electronic accessories | 49,162.53 |
| Fashion accessories | 49,133.91 |
| Home and lifestyle | 48,732.21 |
| Health and beauty | 44,508.62 |

Revenue (Sum) 5

Axis: 0.00 5,000.00 15,000.00 25,000.00 35,000.00 45,000.00 55,000.00

**Fields**

Bars
- ⠿ Product line ⋮
- Click or drag data here

# Length*    Required field
- ⠿ Revenue ⋮
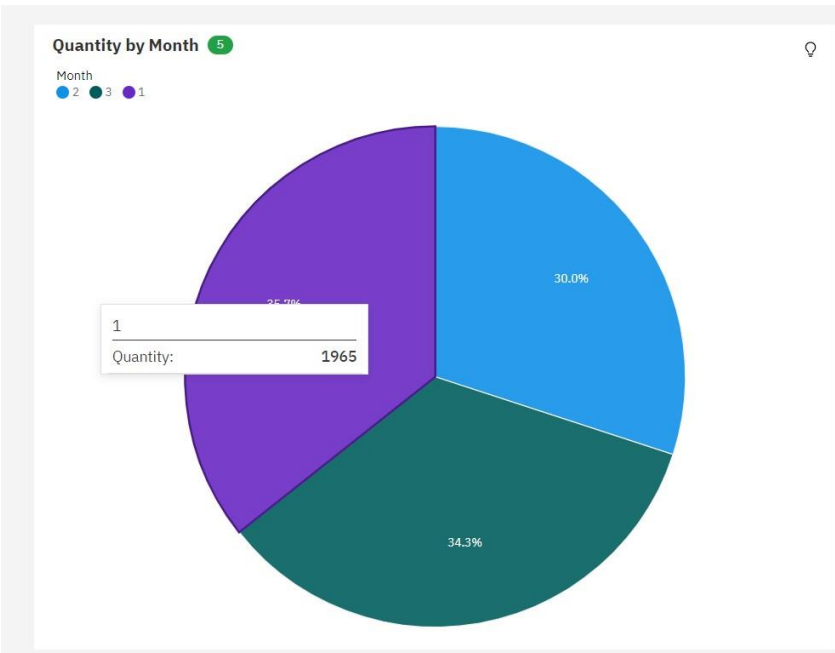- Click or drag data here

# y-start
- Click or drag data here

Target
- Click or drag data here

Color
- ⠿ Product line ⋮

# Pie:

**Quantity by Month** 5

Month
- 🔵 2
- 🟢 3
- 🟣 1

30.0%

34.3%

35.7%

| 1 | |
|---|---|
| Quantity: | 1965 |

**Fields**

Segments*    Required field
- ⠿ Month ⋮
- Click or drag data here

# Size*    Required field
- ⠿ Quantity ⋮
- Click or drag data here

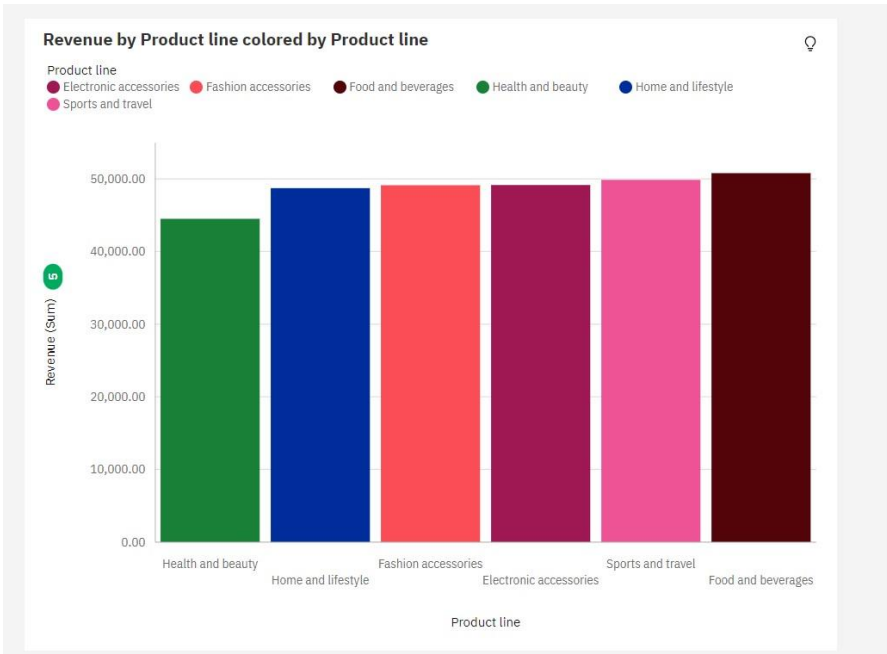Repeat (column)
- Click or drag data here

Repeat (row)
- Click or drag data here

# Tooltip
- Click or drag data here

Local filters

# Bar:



**Revenue by Product line colored by Product line**

Product line
● Electronic accessories ● Fashion accessories ● Food and beverages ● Health and beauty ● Home and lifestyle
● Sports and travel

**Fields**

📊 Bars

⠿ Product line  ⋮

Click or drag data here

\# **Length*** — Required field

⠿ Revenue  ⋮

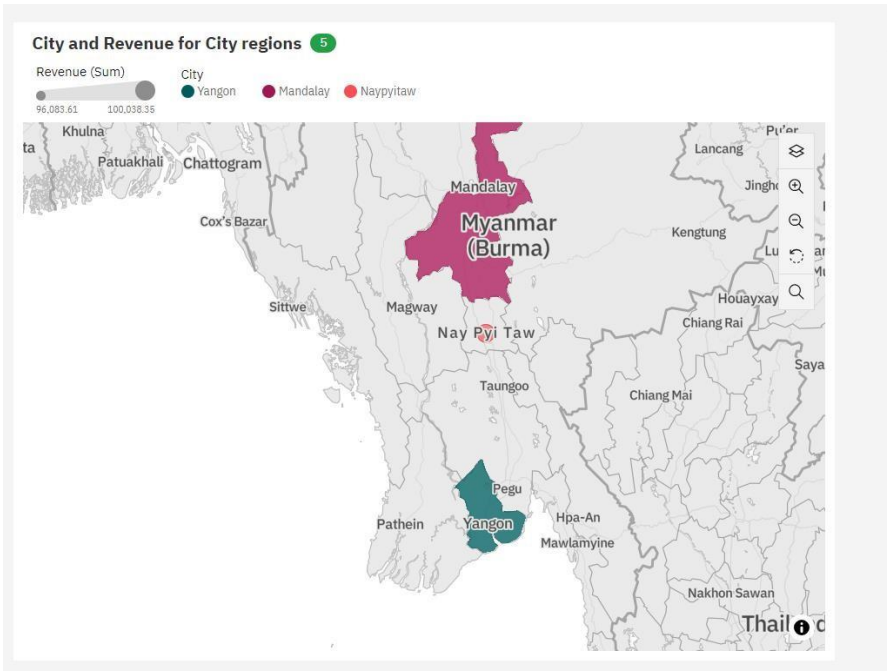Click or drag data here

\# y-start

Click or drag data here

◎ Target

Click or drag data here

🎨 Color

⠿ Product line  ⋮

# Map:



**City and Revenue for City regions** 5

Revenue (Sum)
96,083.61  100,038.35

City
● Yangon ● Mandalay ● Naypyitaw

**Fields**

∧ Regions

◎ **Locations*** — Required field

⠿ City  ⋮

Click or drag data here

▪ Location color

⠿ City  ⋮

Click or drag data here
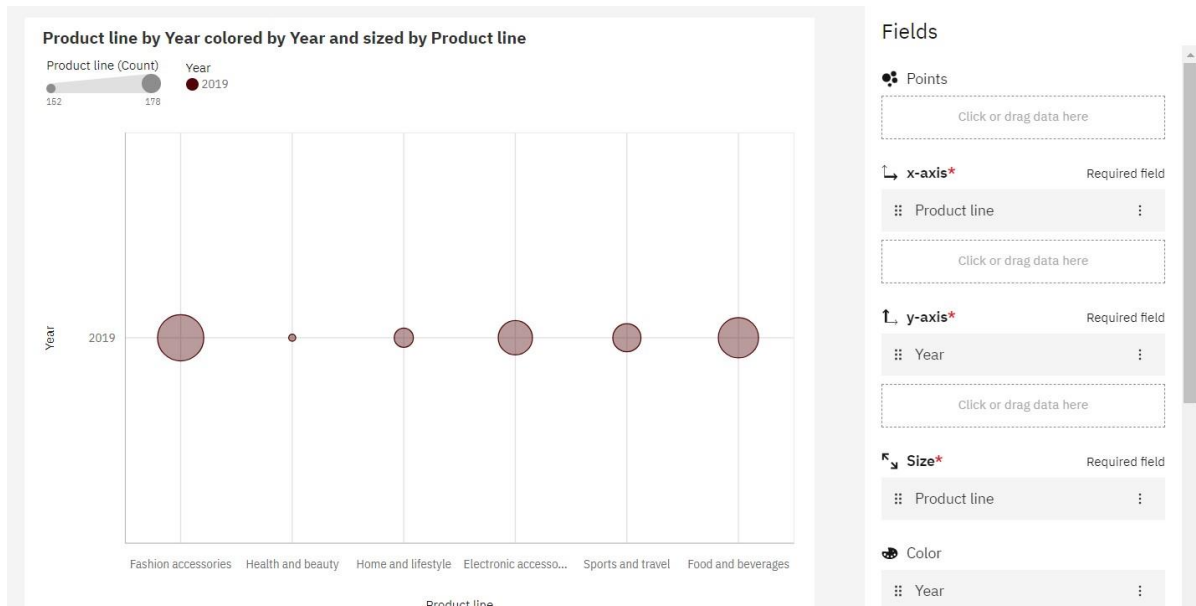
\# Location extrusion height
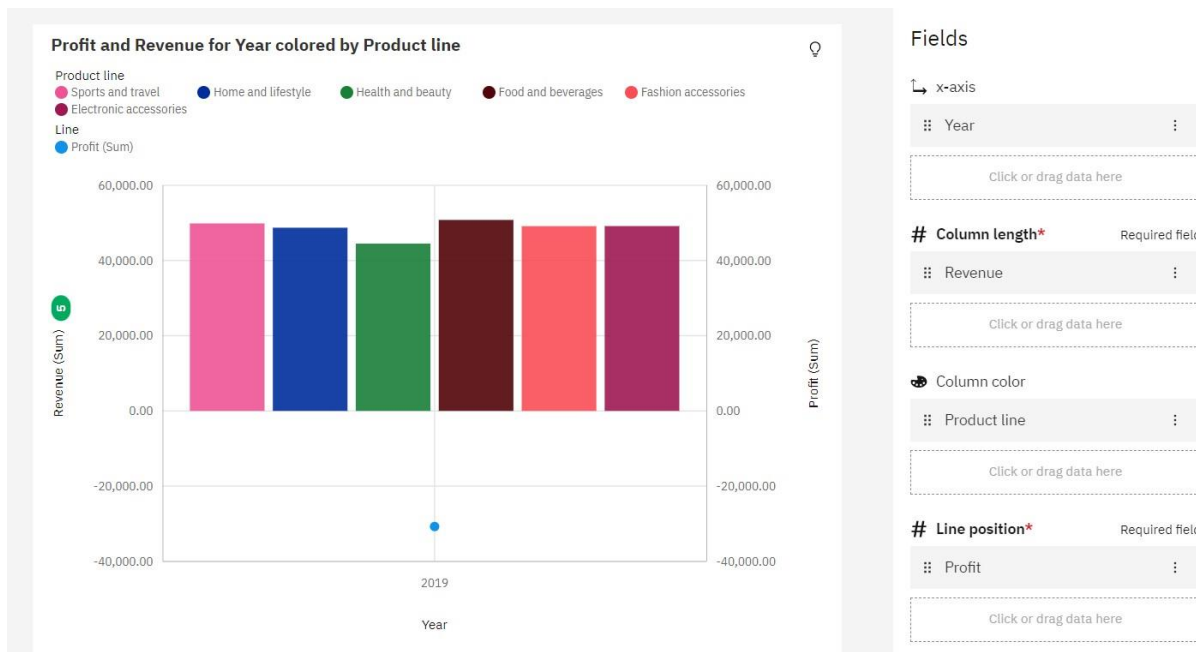
⠿ Revenue  ⋮

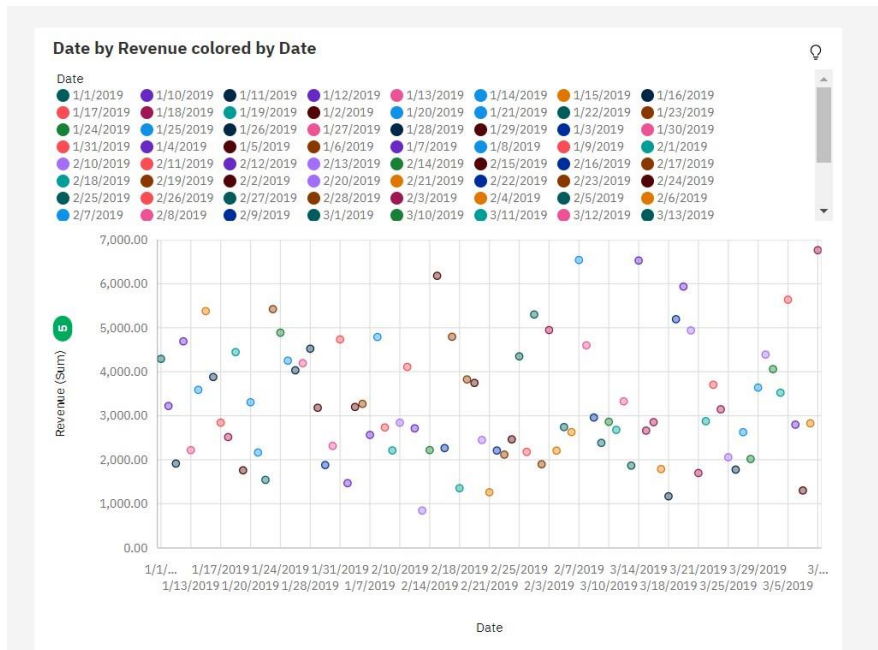abc Label

Click or drag data here

\# Tooltip

Click or drag data here

# Bubble:



**Product line by Year colored by Year and sized by Product line**

Product line (Count)
152    178

Year
● 2019

Year

2019

Fashion accessories  Health and beauty  Home and lifestyle  Electronic accesso...  Sports and travel  Food and beverages

Product line

**Fields**

⚬ Points

Click or drag data here

↳ **x-axis\***                Required field

⸬ Product line              ⋮

Click or drag data here

↰ **y-axis\***                Required field

⸬ Year                      ⋮

Click or drag data here

� **Size\***                 Required field

⸬ Product line              ⋮

⬤ Color

⸬ Year                      ⋮

# Line and column:



**Profit and Revenue for Year colored by Product line**

Product line
● Sports and travel  ● Home and lifestyle  ● Health and beauty  ● Food and beverages  ● Fashion accessories
● Electronic accessories
Line
● Profit (Sum)

60,000.00                                        60,000.00

40,000.00                                        40,000.00

20,000.00                                        20,000.00

0.00                                             0.00

-20,000.00                                       -20,000.00

-40,000.00                                       -40,000.00

2019

Year

**Fields**

↳ x-axis

⸬ Year                      ⋮

Click or drag data here

# **Column length\***          Required field

⸬ Revenue                   ⋮

Click or drag data here

⬤ Column color

⸬ Product line              ⋮

Click or drag data here

# **Line position\***          Required field

⸬ Profit                    ⋮

Click or drag data here

# Scatter:

### Date by Revenue colored by Date

Date

● 1/1/2019  ● 1/10/2019  ● 1/11/2019  ● 1/12/2019  ● 1/13/2019  ● 1/14/2019  ● 1/15/2019  ● 1/16/2019
● 1/17/2019  ● 1/18/2019  ● 1/19/2019  ● 1/2/2019  ● 1/20/2019  ● 1/21/2019  ● 1/22/2019  ● 1/23/2019
● 1/24/2019  ● 1/25/2019  ● 1/26/2019  ● 1/27/2019  ● 1/28/2019  ● 1/29/2019  ● 1/3/2019  ● 1/30/2019
● 1/31/2019  ● 1/4/2019  ● 1/5/2019  ● 1/6/2019  ● 1/7/2019  ● 1/8/2019  ● 1/9/2019  ● 2/1/2019
● 2/10/2019  ● 2/11/2019  ● 2/12/2019  ● 2/13/2019  ● 2/14/2019  ● 2/15/2019  ● 2/16/2019  ● 2/17/2019
● 2/18/2019  ● 2/19/2019  ● 2/2/2019  ● 2/20/2019  ● 2/21/2019  ● 2/22/2019  ● 2/23/2019  ● 2/24/2019
● 2/25/2019  ● 2/26/2019  ● 2/27/2019  ● 2/28/2019  ● 2/3/2019  ● 2/4/2019  ● 2/5/2019  ● 2/6/2019
● 2/7/2019  ● 2/8/2019  ● 2/9/2019  ● 3/1/2019  ● 3/10/2019  ● 3/11/2019  ● 3/12/2019  ● 3/13/2019

**Fields**

⁘ Points

Click or drag data here

↳ x-axis*                     Required field

⠿ Date                     ⋮

Click or drag data here

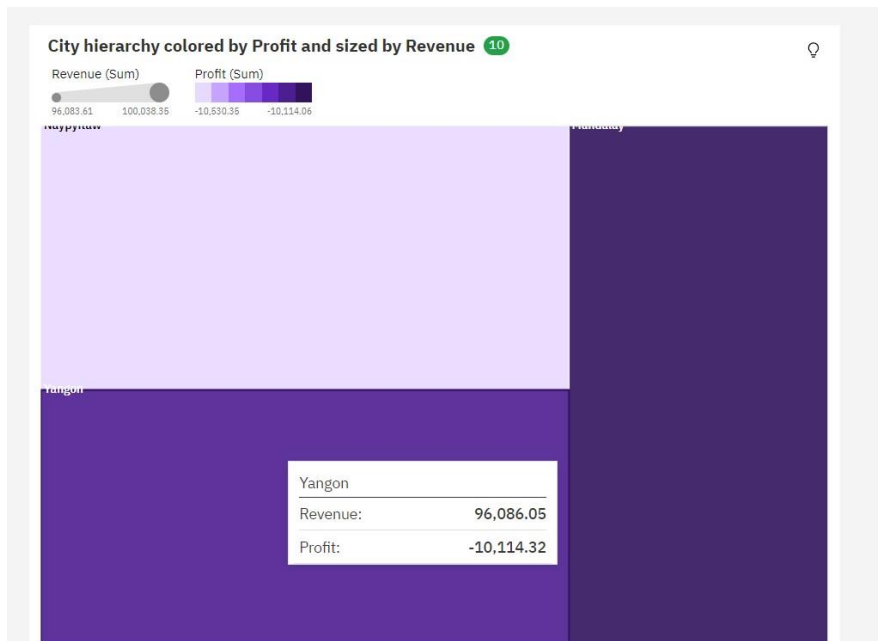↱ y-axis*                     Required field

⠿ Revenue                     ⋮

Click or drag data here

🎨 Color

⠿ Date                     ⋮

Click or drag data here

▣ Repeat (column)

# Tree:

### City hierarchy colored by Profit and sized by Revenue  🟢 10

Revenue (Sum)              Profit (Sum)
96,083.61   100,038.35     -10,530.35   -10,114.06

| Yangon | | |
| Revenue: | | 96,086.05 |
| Profit: | | -10,114.32 |

**Fields**

🗂 **Area hierarchy***                     Required field

⠿ City                     ⋮

Click or drag data here

↘ **Size***                     Required field

⠿ Revenue                     ⋮

▣ Heat

⠿ Profit                     ⋮

▣ Repeat (column)

Click or drag data here

▯ Repeat (row)

Click or drag data here

# Tooltip

# Crosstab:

**Profit for Product line and City** 5

| Profit | Electronic accessories | Fashion accessories | Food and beverages | Health and beauty | Home |
|---|---|---|---|---|---|
| Mandalay | -1,623.95 ↓ | -1,563.17 ↓ | -1,449.04 ↓ | -1,902.92 ↓ | |
| Naypyitaw | -1,806.57 ↓ | -2,053.34 ↓ | -2,263.51 ↓ | -1,582.41 ↓ | |
| Yangon | -1,744.49 ↓ | -1,555.48 ↓ | -1,634.58 ↓ | -1,199.79 ↓ | |
| **Summary** | **-5,175.00** | **-5,171.99** | **-5,347.13** | **-4,685.12** | |

## Fields

Columns
:: Product line ⋮
Click or drag data here

Rows
:: City ⋮
Click or drag data here

# Values*     Required field
:: Profit ⋮
Click or drag data here

▽ Local filters
Click or drag data here

# Radial:

**Revenue by Product line colored by Product line** 5

Product line
● Electronic accessories ● Fashion accessories ● Food and beverages ● Health and beauty ● Home and lifestyle
● Sports and travel

## Fields

◉ Bars
:: Product line ⋮
Click or drag data here

# Length*     Required field
:: Revenue ⋮

🎨 Color
:: Product line ⋮
Click or drag data here

# Maximum value
Click or drag data here

▭▪ Repeat (column)
Click or drag data here

# Heat map:



# Word Cloud:



# Line:

## Revenue by Date colored by Product line

**Product line**
- ● Electronic accessories
- ● Fashion accessories
- ● Food and beverages
- ● Health and beauty
- ● Home and lifestyle
- ● Sports and travel

···· Forecast

Average: 643.6

Revenue (Sum)

2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00

3/18/2019  3/20/2019  3/22/2019  3/24/2019  3/26/2019  3/28/2019  3/30/2019  2019-03-3...  2019-04-0...
3/19/2019  3/21/2019  3/23/2019  3/25/2019  3/27/2019  3/29/2019  2019-03-3...  2019-04-0...  201...
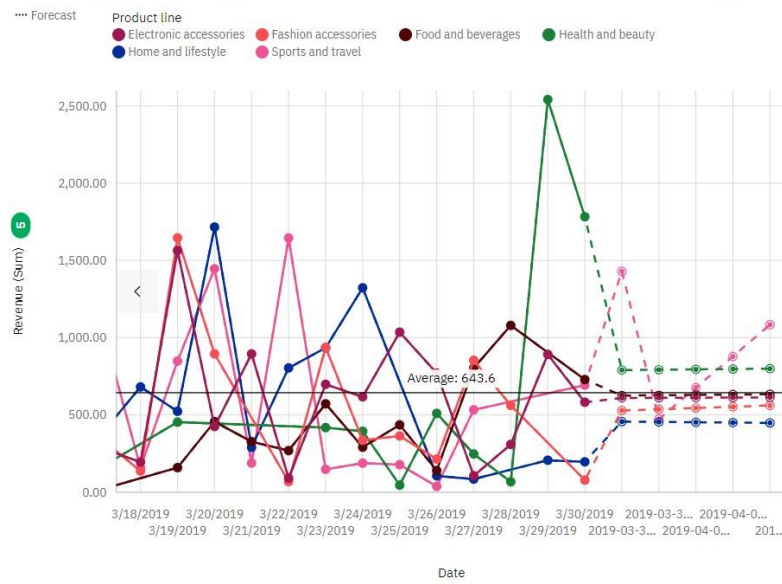
Date

## Fields

**⌐ x-axis***      Required field

⋮⋮ Date     ⋮

Click or drag data here

**🎨 Color**

⋮⋮ Product line     ⋮

Click or drag data here

**# y-axis***      Required field

⋮⋮ Revenue     ⋮

Click or drag data here

**▭▪ Repeat (column)**

Click or drag data here

**▯ Repeat (row)**