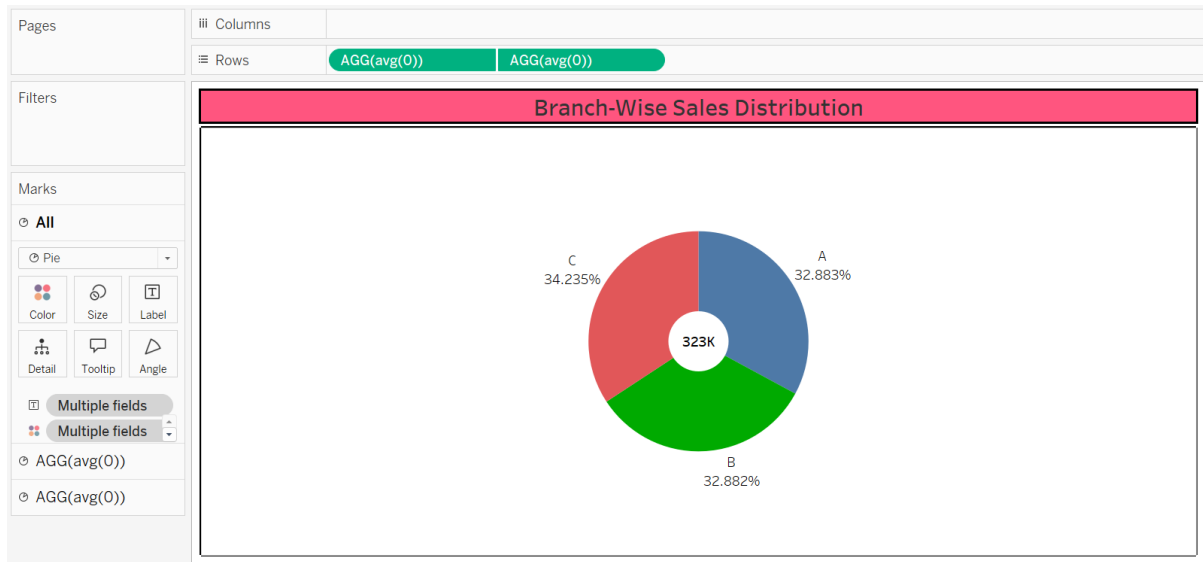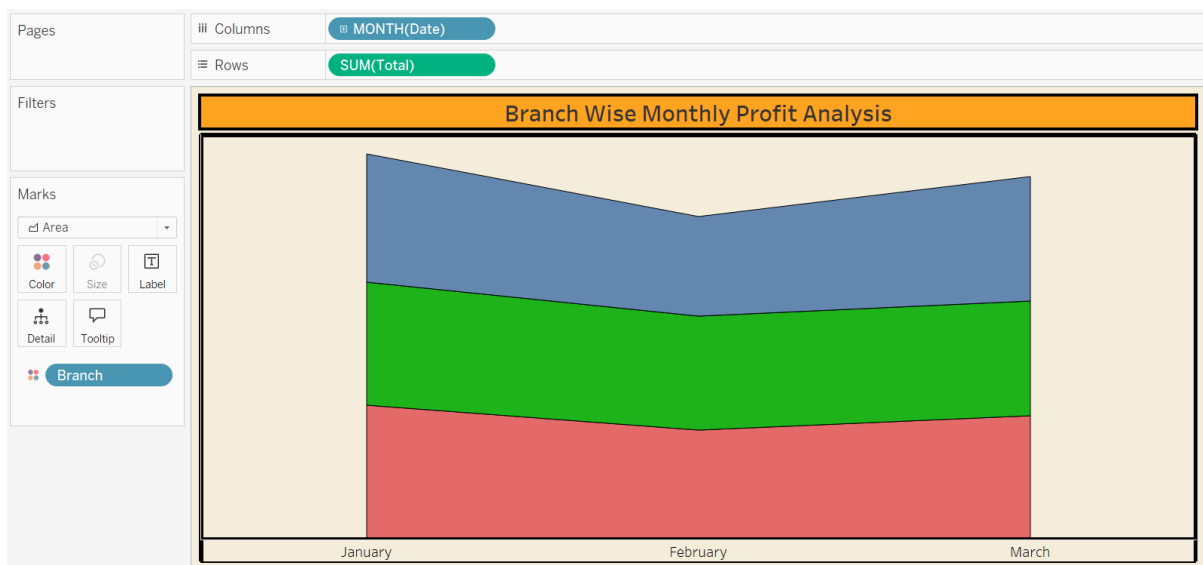# Assignment-2

1. Donut Chart

- Shows profit distribution across Branch A, B, and C.
- Helps compare which branch earned the highest profit.
- Quick view of branch-wise contribution to total profit.

2. Area Chart

- Displays the profit trend from January to March 2019.
- Helps understand how profit increased or decreased over time.
- Useful for identifying peak or low-performing months.

3. **Text Table**

- Shows exact profit values for each branch and product line month-wise.
- Easy to read detailed numerical data.
- Useful for accurate reporting and analysis.

Branch	Product line	March	January	February	Grand Total
A	Health and beauty	5,720	3,963	2,915	12,598
	Fashion accessories	4,311	6,847	5,174	16,333
	Food and beverages	5,463	4,646	7,054	17,163
	Electronic accessories	6,713	6,401	5,203	18,317
	Sports and travel	8,120	6,510	4,742	19,373
	Home and lifestyle	7,332	10,314	4,772	22,417
B	Food and beverages	3,051	6,609	5,555	15,215
	Fashion accessories	4,164	6,113	6,137	16,413
	Electronic accessories	3,665	6,700	6,686	17,051
	Home and lifestyle	8,303	4,586	4,660	17,549
	Health and beauty	7,724	6,400	5,856	19,981
	Sports and travel	7,690	6,768	5,530	19,988
C	Home and lifestyle	5,298	5,595	3,003	13,896
	Sports and travel	3,836	8,389	3,537	15,762
	Health and beauty	4,764	6,021	5,830	16,615
	Electronic accessories	7,765	5,730	5,474	18,969
	Fashion accessories	7,476	6,385	7,699	21,560
	Food and beverages	8,061	8,315	7,391	23,767
Grand Total		109,456	116,292	97,219	322,967

4. **Highlighted Table**

- Uses color shading to show high and low profits.
- Quickly identifies which product line performed better each month.
- Combines text with visual emphasis for better understanding.

Profit by Product Line

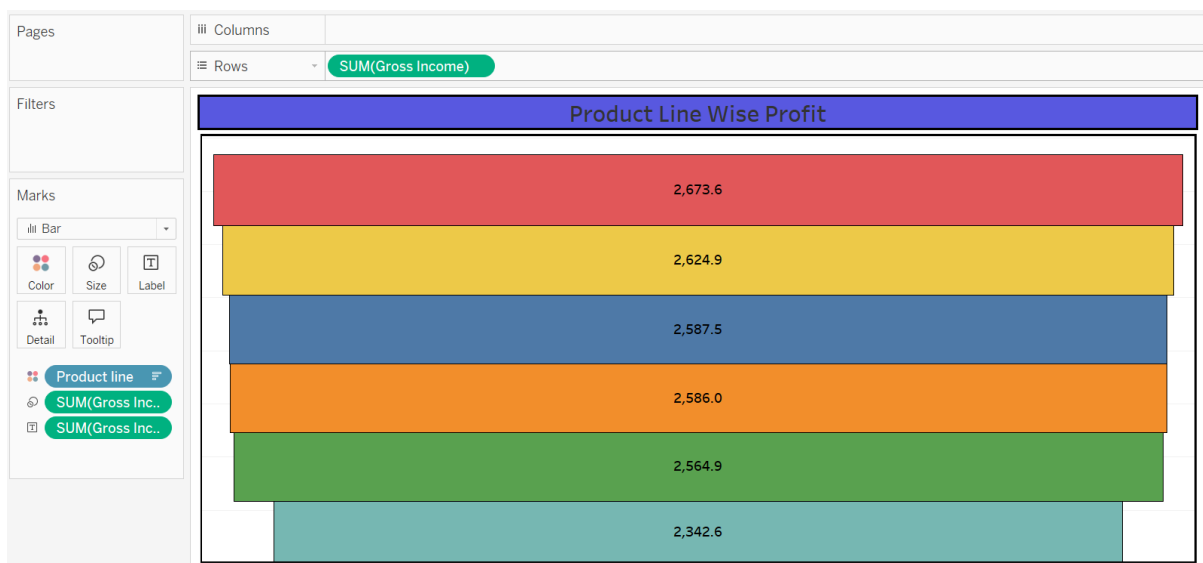| Product line	January	February	March
Electronic accessories	896.7	826.8	864.0
Fashion accessories	921.2	905.2	759.6
Food and beverages	931.9	952.4	789.2
Health and beauty	780.2	695.3	867.1
Home and lifestyle	975.9	592.1	996.8
Sports and travel	1,031.8	657.6	935.5

5. Word Cloud

- Represents profit by product line — bigger words mean higher profit.
- Visualizes which product line is most profitable.
- Simple way to spot top-performing categories.

6. Funnel Chart

- Shows profit from product lines in descending order.
- Wide at the top for highest profit, narrow at the bottom for lowest.
- Helps visualize contribution comparison among product lines.

Assignment-2

7. **Waterfall Chart**

- Displays how each product line adds up to total profit step by step.
- Helps understand cumulative growth in profit.
- Useful to track profit flow across different product lines.