

GRAPH 1: HISTOGRAM - Customer Age Distribution



DATA VALUES:
Total customers: 548
Age group 18-33: 211 customers (38.5%)
Age group 34-48: 159 customers (29.0%)
Age group 49-63: 104 customers (19.0%)
Age group 64-78: 58 customers (10.6%)

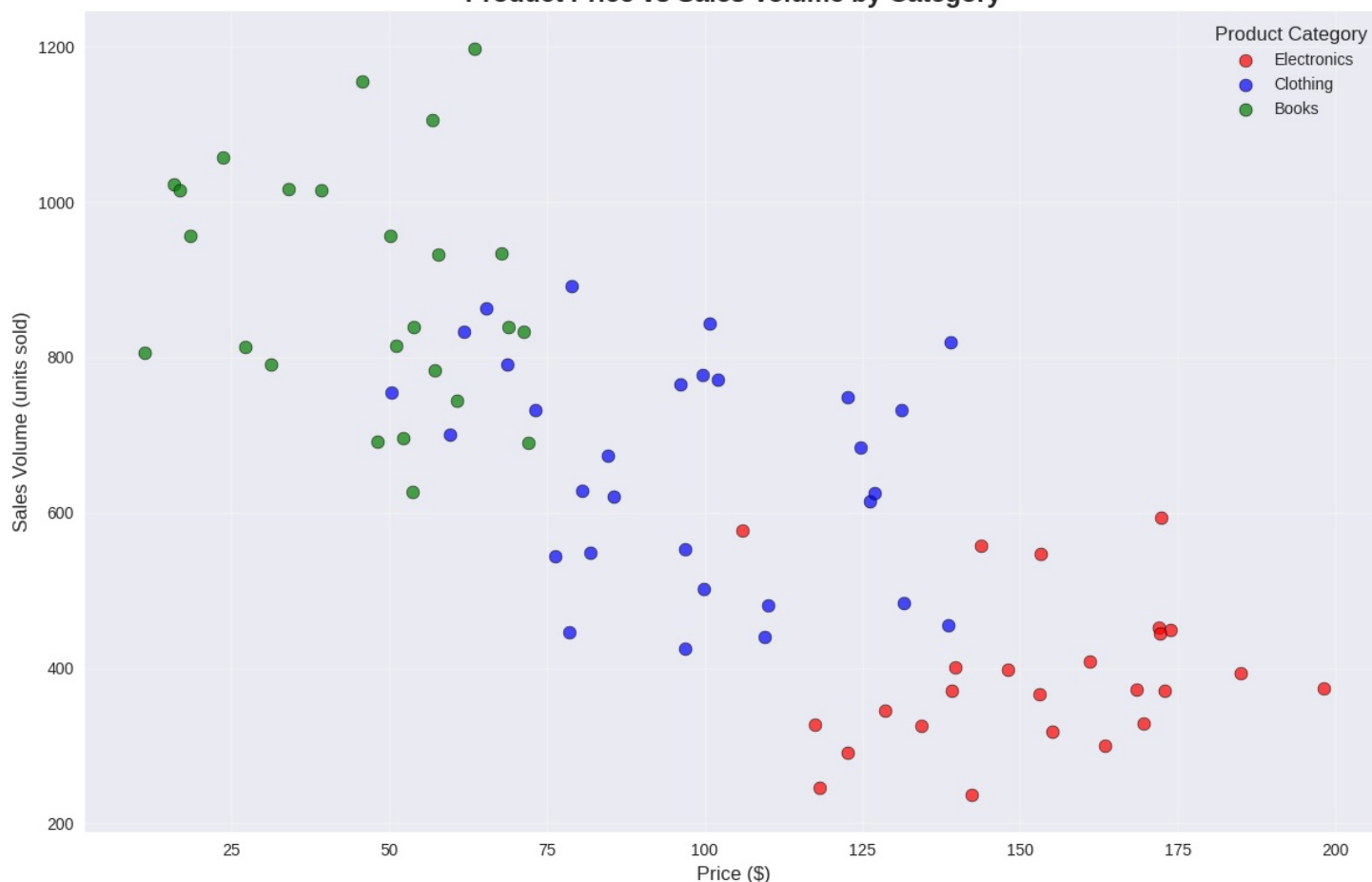
LEGEND:
• Light Red: Young adults (18-33 years)
• Light Blue: Middle-aged (34-48 years)
• Light Green: Older adults (49-63 years)
• Light Yellow: Seniors (64-78 years)

COMPARISONS:
• Most common age group: 18-33 with 211 customers
• Least common age group: 64-78 with 58 customers
• Average customer age: 39.9 years

QUESTIONS:
1. (Multiple Choice) Which age group has the most customers?
a) 18-33 b) 34-48 c) 49-63 d) 64-78
Answer: a) 18-33
2. (True/False) More than 50% of customers are under 48 years old.
Answer: True
3. (Short Answer) Which age group has the least number of customers?
Answer: 64-78

GRAPH 2: SCATTERPLOT - Product Price vs Sales Volume

Product Price vs Sales Volume by Category



DATA VALUES:

Total products analyzed: 80
Price range: \$11.13 - \$198.08
Sales range: 237 - 1197 units

Average by category:

- Electronics: 25 products, avg price \$152.45, avg sales 392 units
- Clothing: 30 products, avg price \$96.58, avg sales 658 units
- Books: 25 products, avg price \$45.92, avg sales 893 units

LEGEND:

- Red dots: Electronics
- Blue dots: Clothing
- Green dots: Books

COMPARISONS:

Categories by average price (highest to lowest):

1. Electronics: \$152.45
2. Clothing: \$96.58
3. Books: \$45.92

? QUESTIONS:

1. (Multiple Choice) Which category generally has the highest prices?
a) Electronics b) Clothing c) Books
Answer: a) Electronics
2. (True/False) There is a positive correlation between price and sales volume.
Answer: False (negative correlation)
3. (Short Answer) What happens to sales volume as price increases?
Answer: Sales volume generally decreases as price increases

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GRAPH 3: LINE CHART - Monthly Revenue Over 2 Years

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Monthly Revenue Over 2 Years (2022-2023)



DATA VALUES:
Total months: 24
Revenue range: \$41,259.89 - \$84,723.51
Average monthly revenue: \$62,347.98

- Monthly averages:
- May: \$76,825.72
 - April: \$75,283.49
 - June: \$72,374.84
 - March: \$67,393.87
 - July: \$65,095.91
 - August: \$62,017.59

- LEGEND:
- Dark blue line with light blue markers: Monthly revenue
 - Red dashed line: Overall trend line

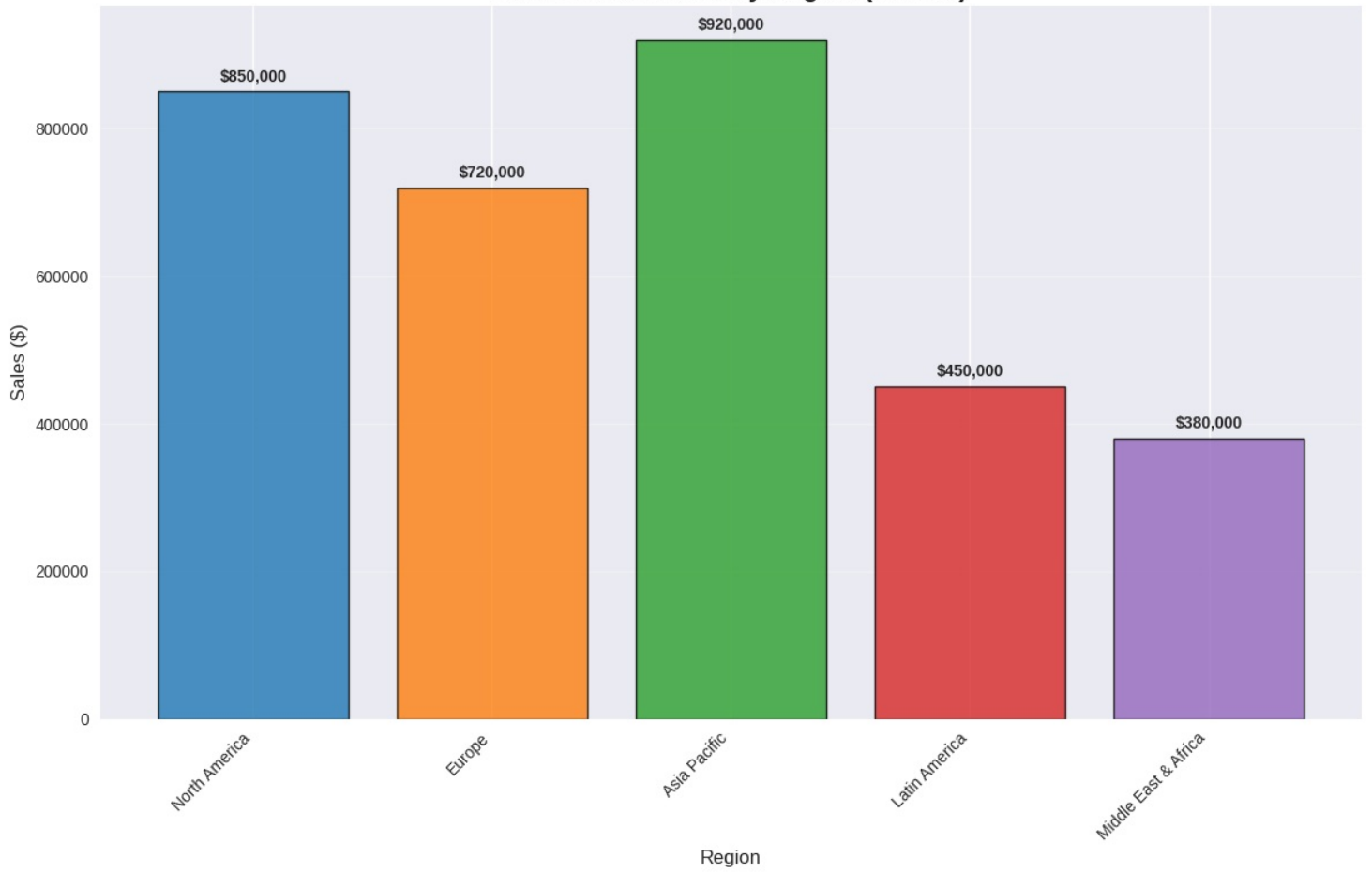
- COMPARISONS:
- Months by average revenue (highest to lowest):
1. May: \$76,825.72
 2. April: \$75,283.49
 3. June: \$72,374.84

- Yearly totals:
- 2022: \$665,726.16
 - 2023: \$830,625.24
 - Growth from 2022 to 2023: \$164,899.07

- ? QUESTIONS:
1. (Multiple Choice) Which year had highest total revenue?
Answer: 2023
 2. (True/False) Revenue shows a general upward trend over the 2-year period.
Answer: True
 3. (Short Answer) What was the lowest revenue?
Answer: \$41,260

GRAPH 4: BAR CHART - Sales Performance by Region

Sales Performance by Region (Annual)



DATA VALUES:

- Total global sales: \$3,320,000.00
- North America: \$850,000.00 (25.6%)
 - Europe: \$720,000.00 (21.7%)
 - Asia Pacific: \$920,000.00 (27.7%)
 - Latin America: \$450,000.00 (13.6%)
 - Middle East & Africa: \$380,000.00 (11.4%)

LEGEND:

- Blue: North America
- Orange: Europe
- Green: Asia Pacific
- Red: Latin America
- Purple: Middle East & Africa

COMPARISONS:

Regions by sales performance (highest to lowest):

1. Asia Pacific: \$920,000.00
2. North America: \$850,000.00
3. Europe: \$720,000.00
4. Latin America: \$450,000.00
5. Middle East & Africa: \$380,000.00

- Best performing region: Asia Pacific
- Lowest performing region: Middle East & Africa
- Performance gap: \$540,000.00

? QUESTIONS:

1. (Multiple Choice) Which region has the highest sales?
a) North America b) Europe c) Asia Pacific d) Latin America
Answer: c) Asia Pacific
2. (True/False) Europe outperformed North America in sales.
Answer: False
3. (Short Answer) What was the sales volume of Latin America?
Answer: \$450,000

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GRAPH 5: PIE CHART - Market Share by Company

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Market Share by Company



DATA VALUES:

Market share breakdown:

- TechCorp: 28.5%
- InnovateInc: 22.3%
- FutureSoft: 18.7%
- DataDyne: 12.8%
- CloudMax: 9.2%
- Others: 8.5%

LEGEND:

- Light Red: TechCorp
- Light Blue: InnovateInc
- Light Green: FutureSoft
- Light Orange: DataDyne
- Light Pink: CloudMax
- Light Purple: Others

COMPARISONS:

Companies by market share (largest to smallest):

1. TechCorp: 28.5%
2. InnovateInc: 22.3%
3. FutureSoft: 18.7%
4. DataDyne: 12.8%
5. CloudMax: 9.2%
6. Others: 8.5%

- Top 3 companies control: 69.5% of the market
- Market leader advantage: 6.2 percentage points

? QUESTIONS:

1. (Multiple Choice) Which company has the largest market share?

a) TechCorp b) InnovateInc c) FutureSoft d) DataDyne

Answer: a) TechCorp

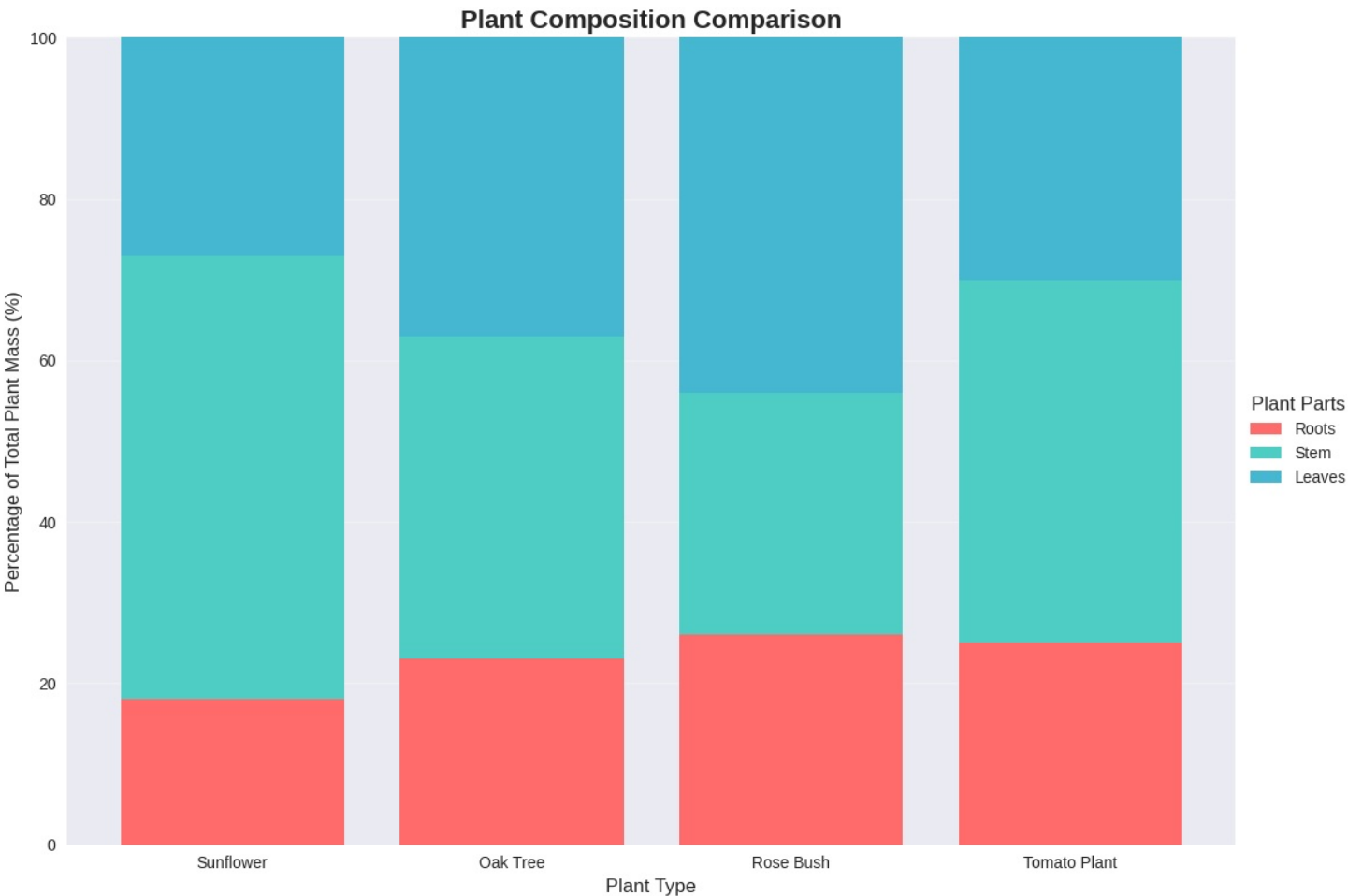
2. (True/False) The top 3 companies control more than 60% of the market.

Answer: True

3. (Short Answer) What percentage of the market do the top 2 companies control combined?

Answer: 50.8%

GRAPH 6: STACKED BAR CHART - Plant Composition Comparison



DATA VALUES:

Plant composition breakdown (percentage of total plant mass):

Sunflower:

- Roots: 18%
- Stem: 55%
- Leaves: 27%

Oak Tree:

- Roots: 23%
- Stem: 40%
- Leaves: 37%

Rose Bush:

- Roots: 26%
- Stem: 30%
- Leaves: 44%

Tomato Plant:

- Roots: 25%
- Stem: 45%
- Leaves: 30%

LEGEND:

- Red: Roots
- Teal: Stem
- Blue: Leaves

COMPARISONS:

Plant parts by average composition (highest to lowest):

1. Stem: 42.5%
2. Leaves: 34.5%
3. Roots: 23.0%

Plant characteristics:

- Oak Tree has the highest stem percentage (55%)
- Tomato Plant has the most leaves (44%)
- Rose Bush has balanced composition across all parts

QUESTIONS:

1. (Multiple Choice) Which plant part has the lowest average percentage across all plants?
a) Roots b) Stem c) Leaves
Answer: a) Roots
2. (True/False) Oak Tree has the highest stem percentage among all plants.
Answer: False
3. (Short Answer) Which plant has the most balanced composition across all parts?
Answer: Tomato Plant