

# Line Chart

```
In [9]: import matplotlib.pyplot as plt

# Data
months = ['Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun',
          'Jul', 'Aug', 'Sep', 'Oct', 'Nov', 'Dec']
sales = [12, 9, 6.5, 6, 2, 2, 1, 3, 7, 10.5, 11, 12]

# Create Line chart
plt.plot(months, sales, color='blue', marker='o')

# Add title and Labels
plt.title('Monthly Sales Growth in 2024', fontsize=16, fontweight='bold')
plt.xlabel('Month', fontsize=12)
plt.ylabel('Sales (₹ in lakhs)', fontsize=12)

# Show chart
plt.show()
```



## Bar chart

```
In [10]: # Data
months = ['Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun',
          'Jul', 'Aug', 'Sep', 'Oct', 'Nov', 'Dec']
sales = [12, 9, 6.5, 6, 2, 2, 1, 3, 7, 10.5, 11, 12]
```

```
# Create Line chart
plt.bar(months, sales, color='blue')

# Add title and Labels
plt.title('Monthly Sales Growth in 2024', fontsize=16, fontweight='bold')
plt.xlabel('Month', fontsize=12)
plt.ylabel('Sales (₹ in lakhs)', fontsize=12)

# Show chart
plt.show()
```



## Pie chart

```
In [8]: # Data
brands = ['Apple', 'Samsung', 'Xiaomi', 'Oppo', 'Vivo', 'Others']
market_share = [30, 25, 15, 10, 10, 10]
colors = ['#ff9999', '#66b3ff', '#99ff99', '#ffcc99', '#c2c2f0', '#ffb3e6']

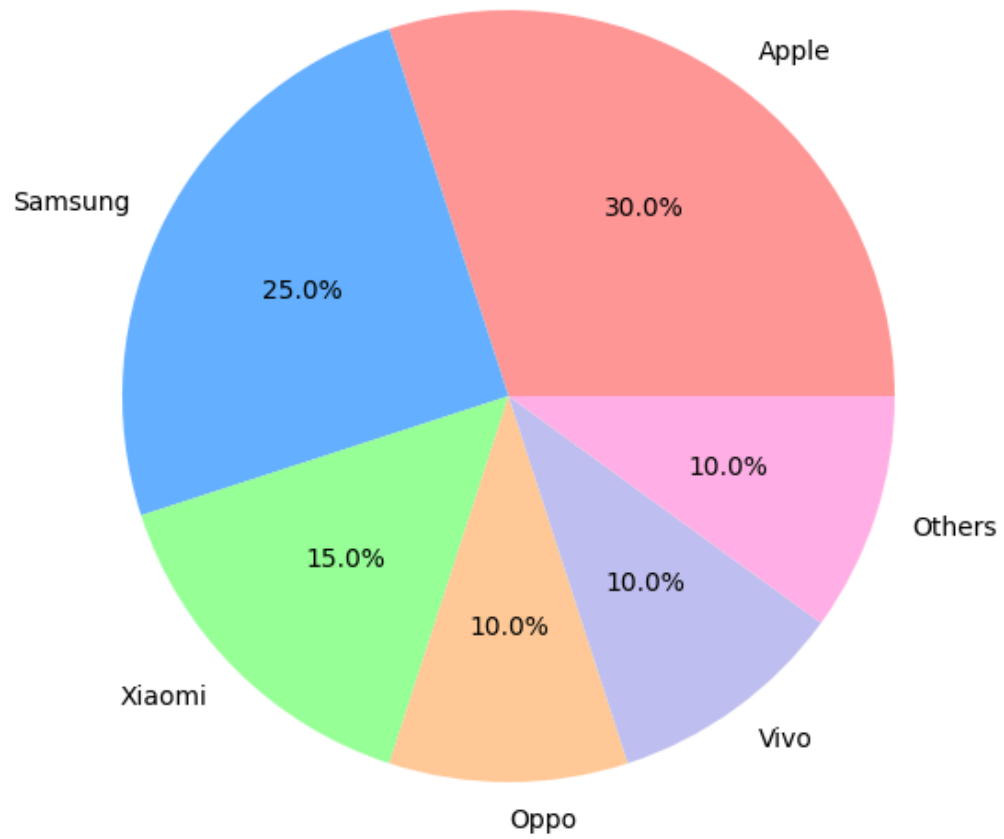
# Create pie chart
plt.figure(figsize=(8, 6))
plt.pie(market_share,
        labels=brands,
        autopct='%1.1f%%',
        colors=colors,)

# Title
plt.title("Market Share of Mobile Brands (2025)", fontsize=16, fontweight='bold')

# Equal aspect ratio ensures the pie is drawn as a circle
plt.axis('equal')
```

```
# Show chart  
plt.show()
```

## Market Share of Mobile Brands (2025)



In [ ]: