

Coffee Shop Sales Analysis Report

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1 Data Exploration

1.1 Data Preview

| | date | datetime | cash_type | card | money | coffee_name |
|---|------------|--------------|-----------|--------------|-------|--------------|
| 0 | 2024-03-01 | 2024-03-0... | card | ANON-0000... | 38.7 | Latte |
| 1 | 2024-03-01 | 2024-03-0... | card | ANON-0000... | 38.7 | Hot Choco... |
| 2 | 2024-03-01 | 2024-03-0... | card | ANON-0000... | 38.7 | Hot Choco... |
| 3 | 2024-03-01 | 2024-03-0... | card | ANON-0000... | 28.9 | Americano |
| 4 | 2024-03-01 | 2024-03-0... | card | ANON-0000... | 38.7 | Latte |

1.2 Data Dimensions

This dataset has 1133 rows and 6 columns

1.3 Data Information

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1133 entries, 0 to 1132
Data columns (total 6 columns):
 #   Column          Non-Null Count  Dtype  
---  -
 0   date            1133 non-null  object 
 1   datetime        1133 non-null  object 
 2   cash_type       1133 non-null  object 
 3   card            1044 non-null  object 
 4   money           1133 non-null  float64
 5   coffee_name     1133 non-null  object 
dtypes: float64(1), object(5)
memory usage: 53.2+ KB
```

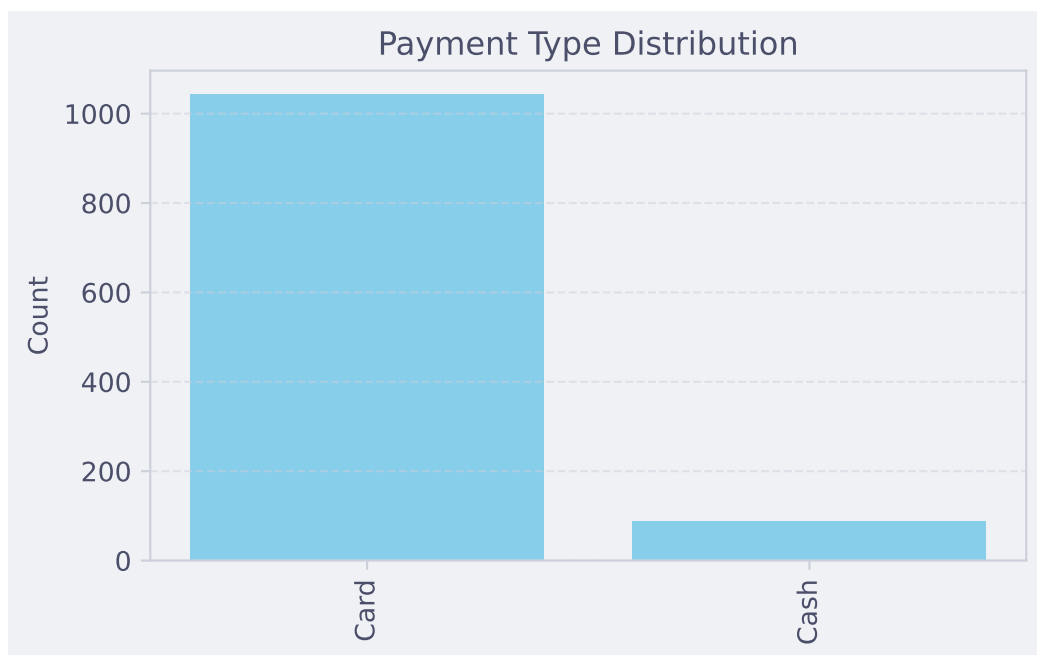
1.4 Data Time Range

The dataset spans 152 days of sales data (from 2024-03-01 to 2024-07-31).

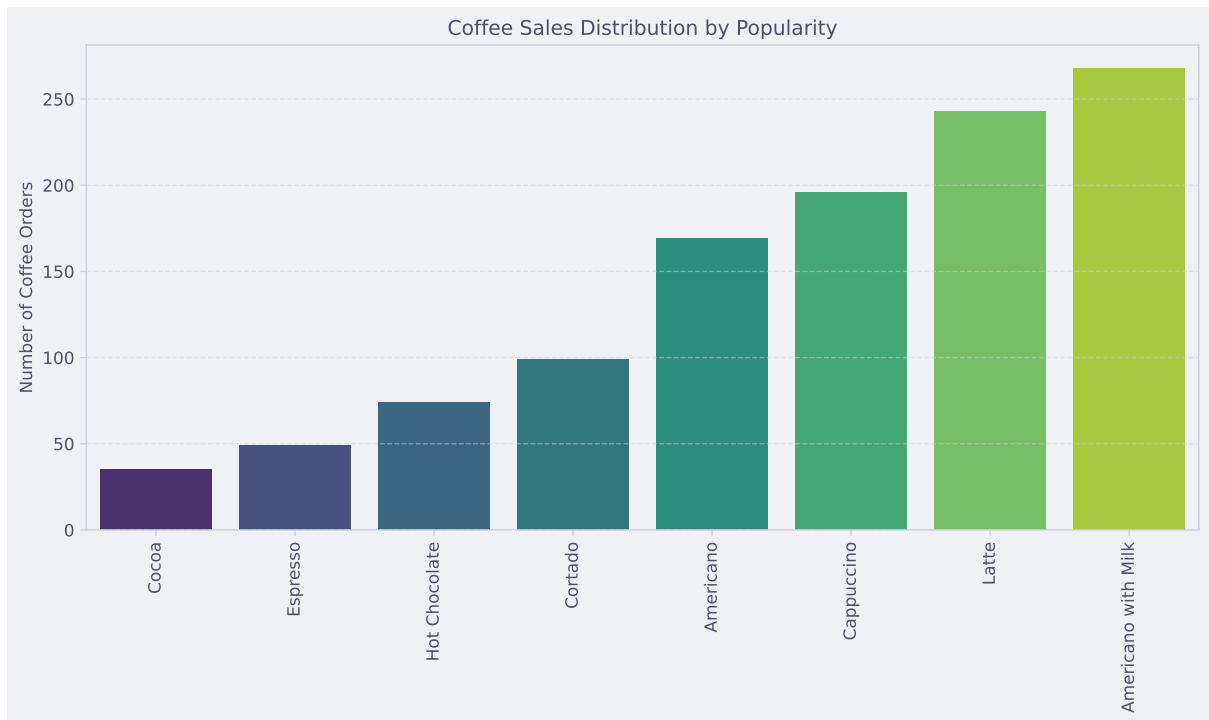
1.5 Total Sales (March 1, 2024 to July 31, 2024)

Total money earned 37,508 USD

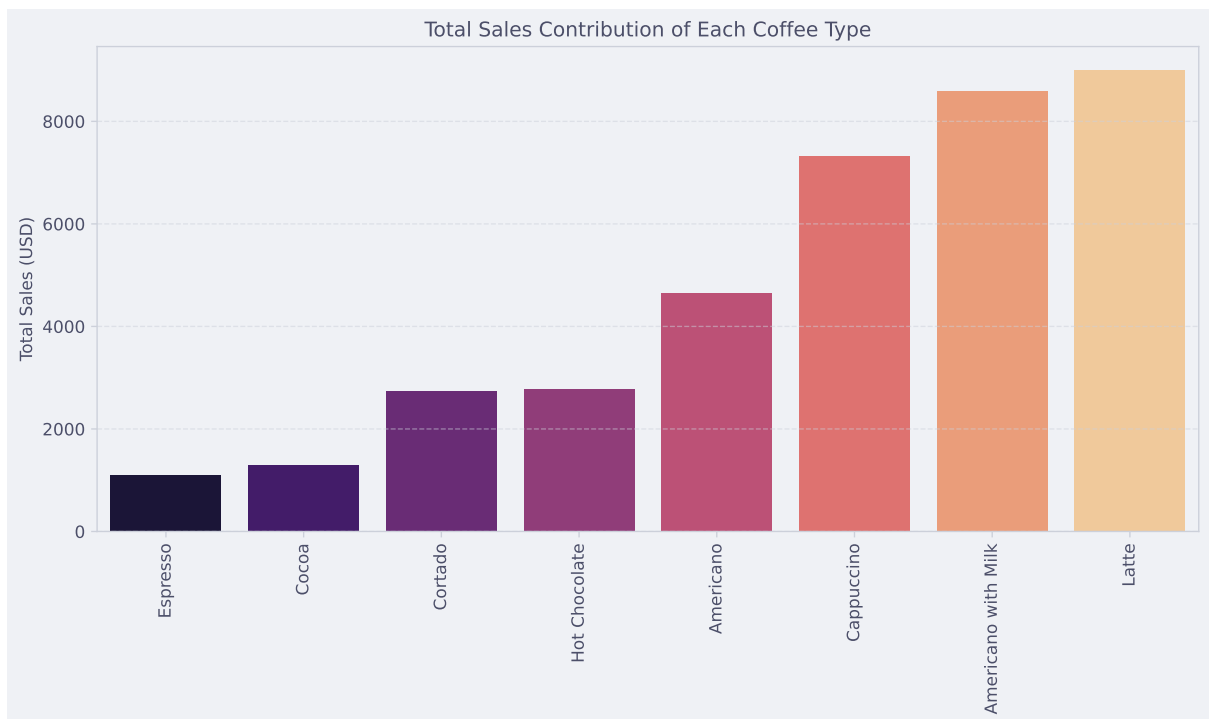
2 Payment Method Distribution



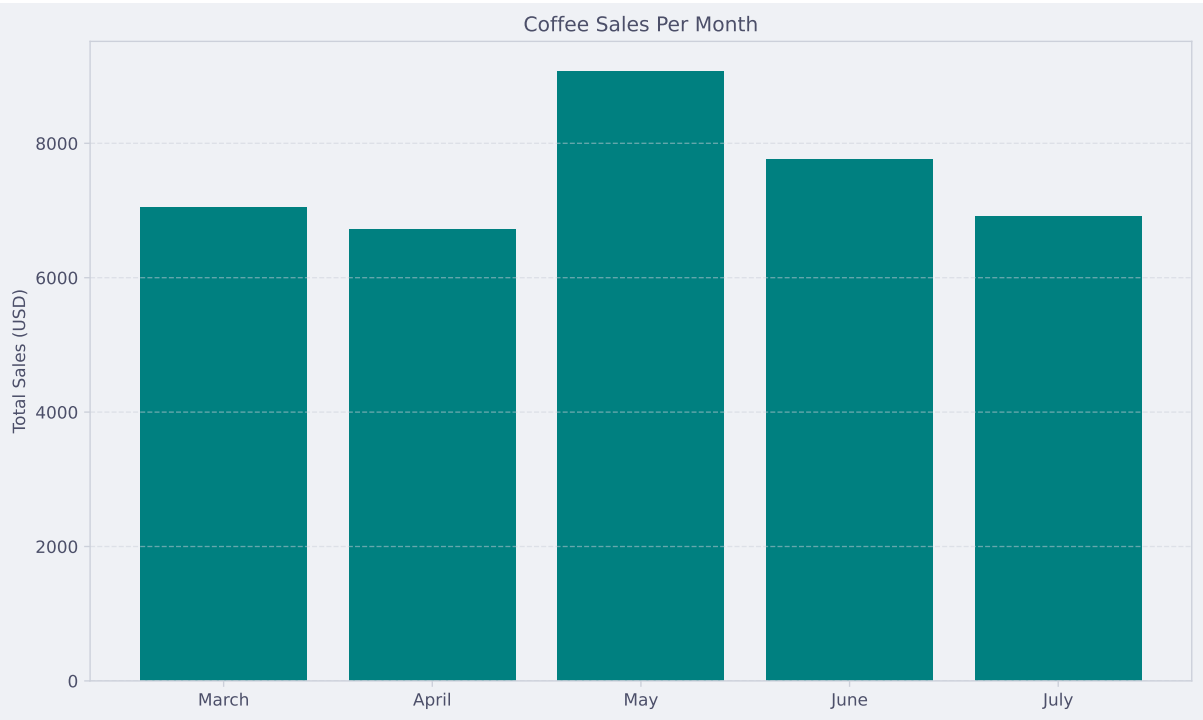
3 Coffee Sales Distribution



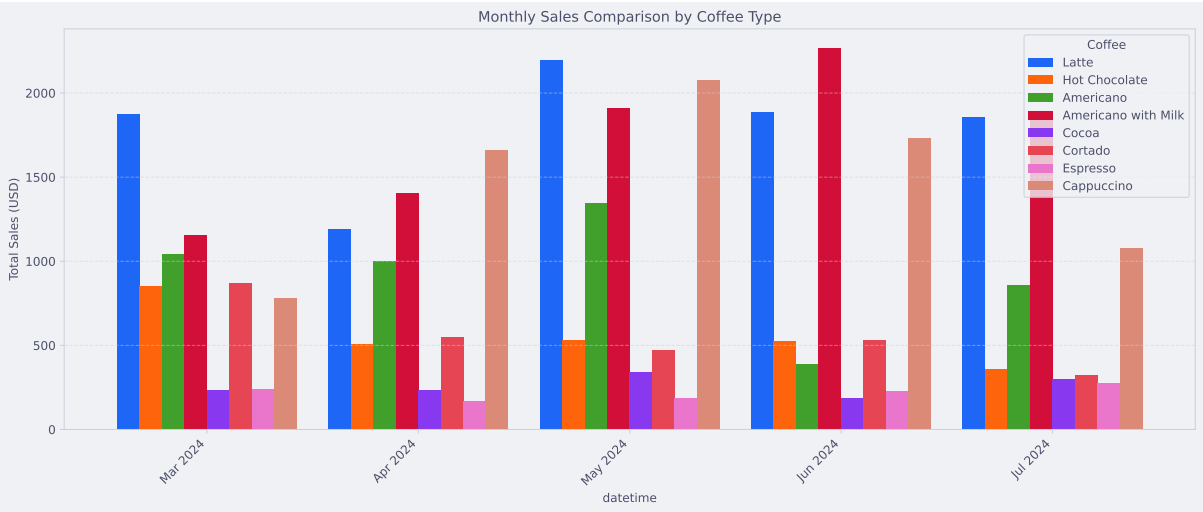
4 Total Sales by Coffee Type



5 Monthly Sales Trend



6 Monthly Sales Comparison Across Coffee Types



7 Weekly Sales: Weekday vs. Weekend Comparison

