

# Coffee Sales Analysis Report

Project 2

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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
```

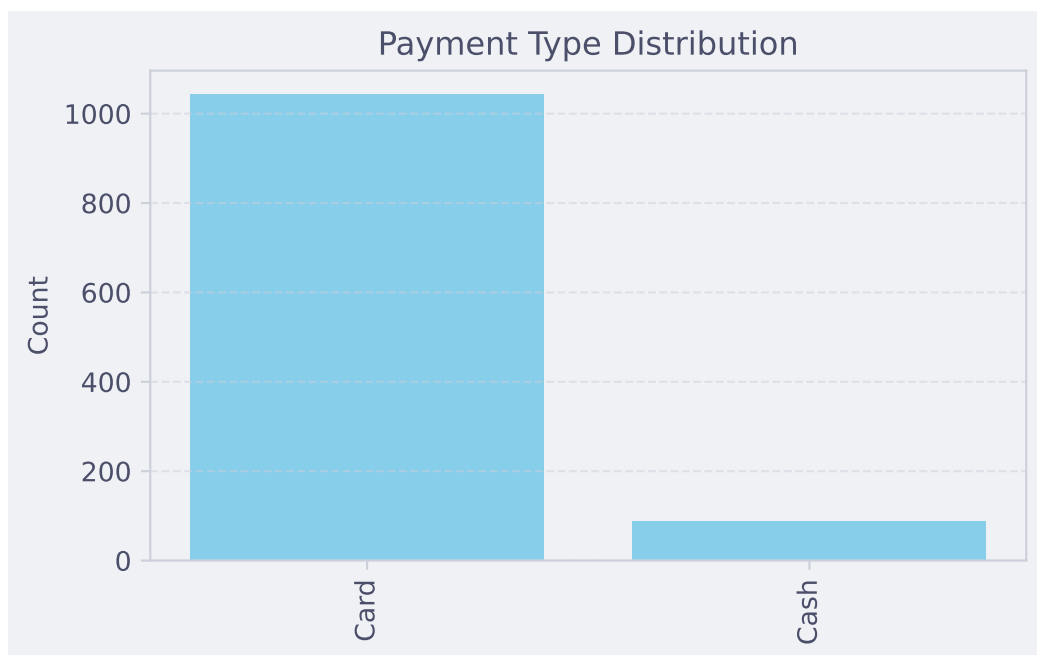
### 1.4 Data Time Range

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

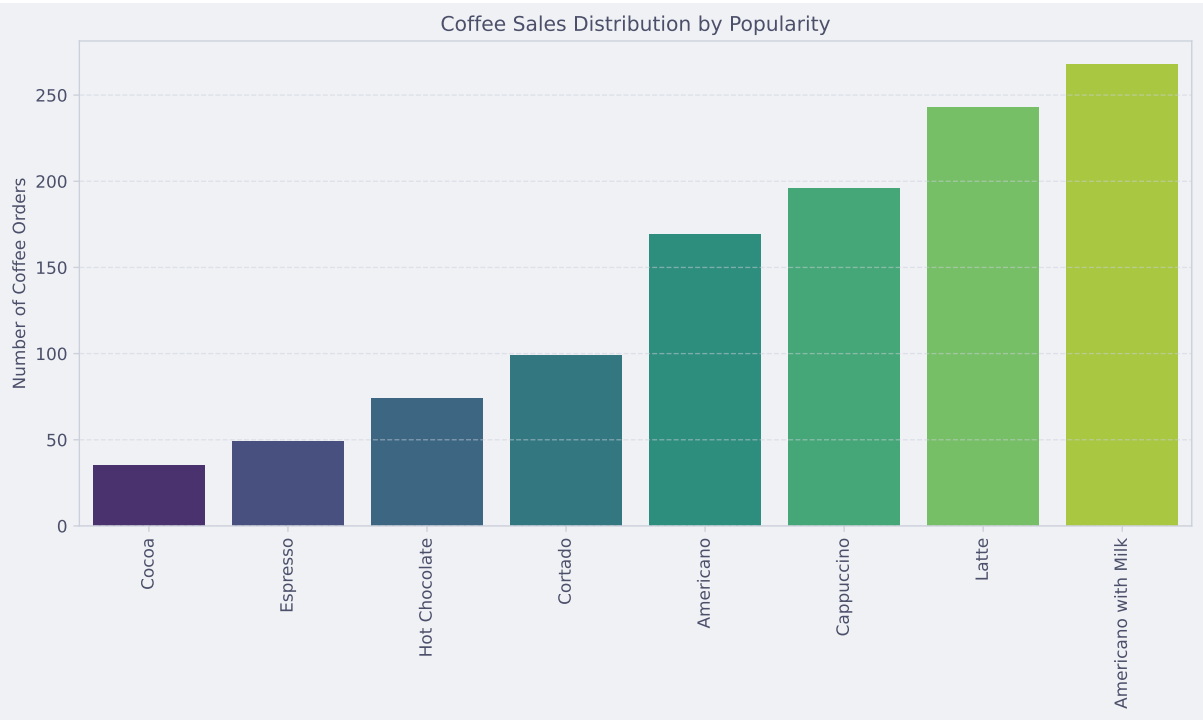
### 1.5 Total Sales (March 1, 2024 to July 31, 2024)

Total money earned 37,508 USD

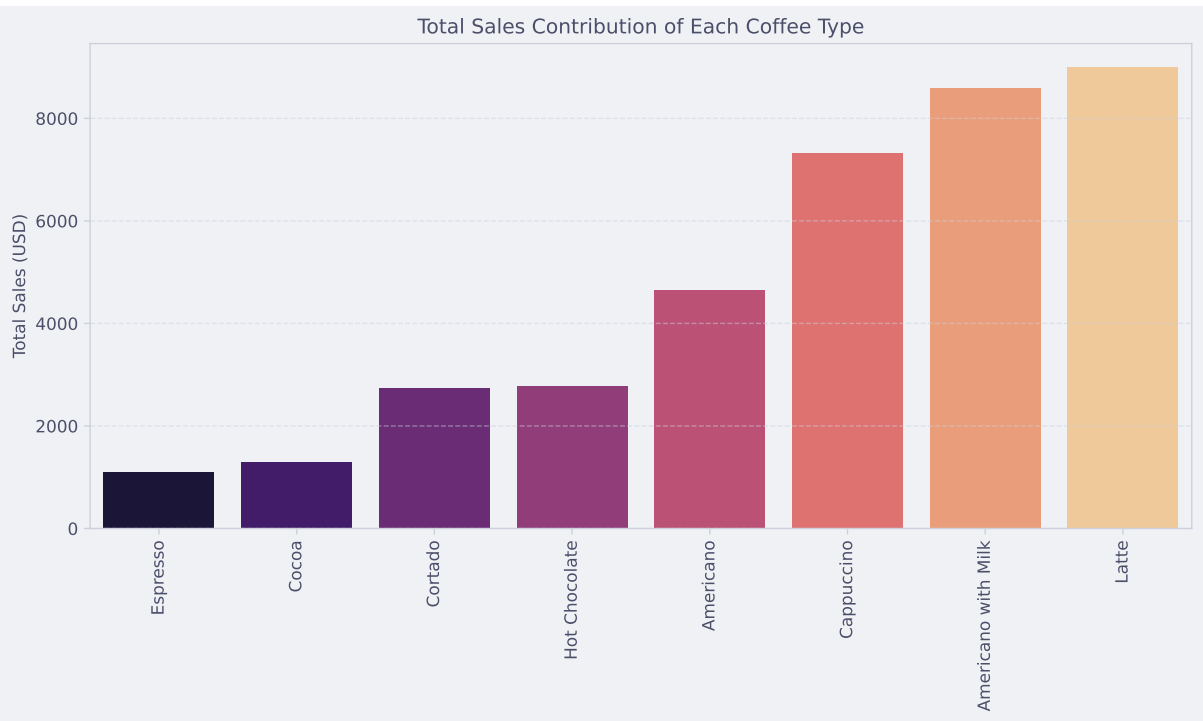
## 2 Payment Method Distribution



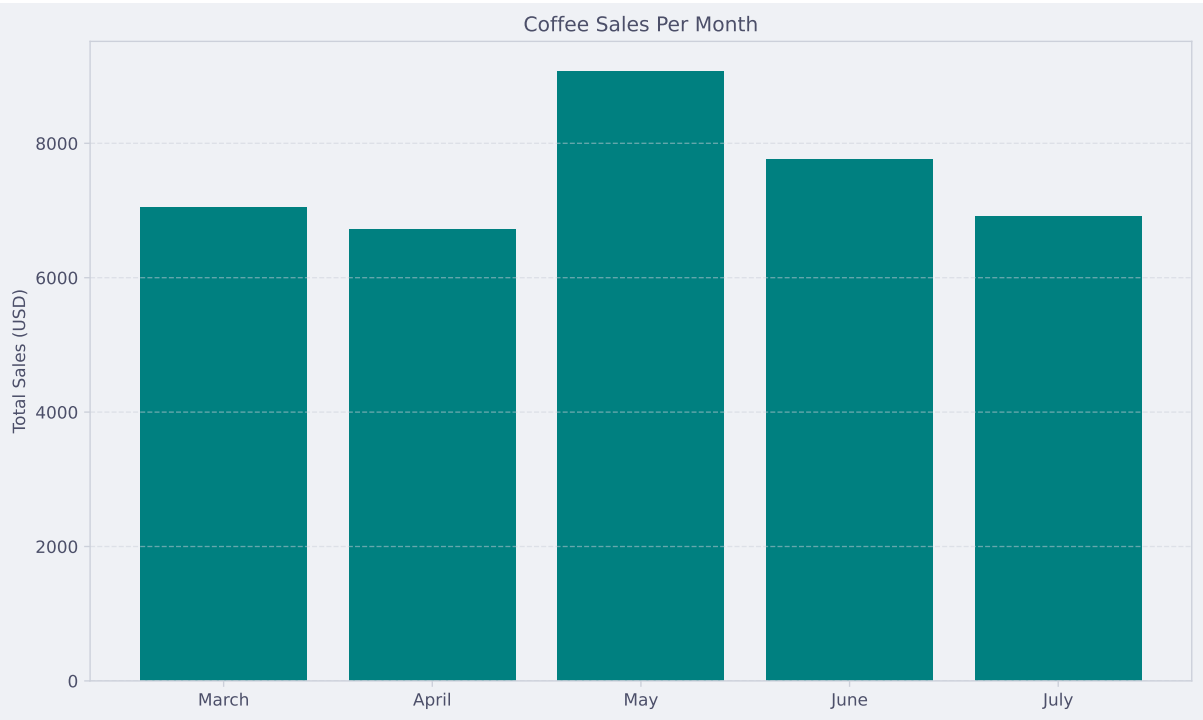
### 3 Coffee Sales Distribution



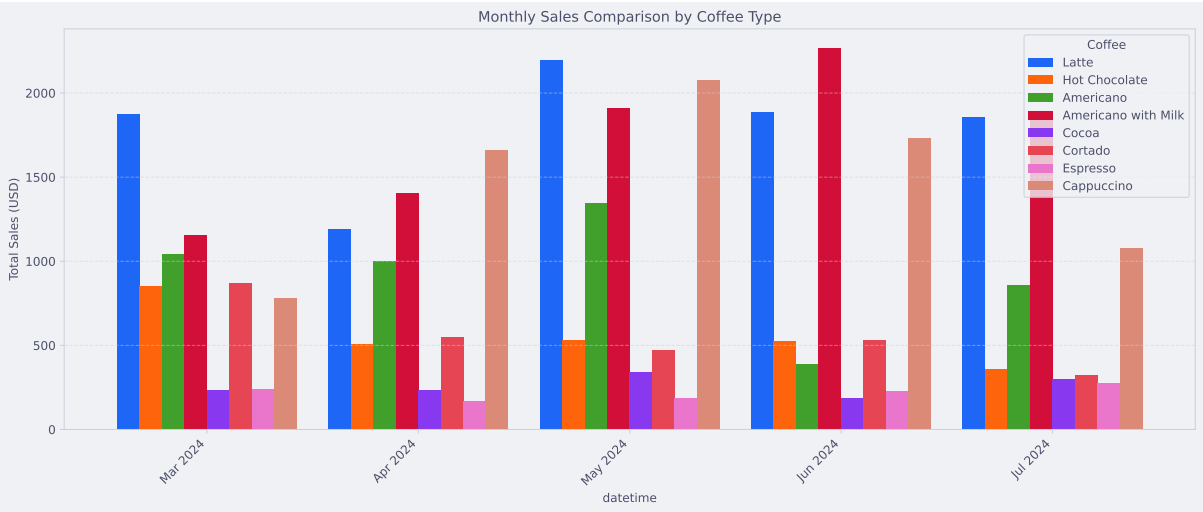
### 4 Total Sales by Coffee Type



## 5 Monthly Sales Trend



## 6 Monthly Sales Comparison Across Coffee Types



# 7 Weekly Sales: Weekday vs. Weekend Comparison

