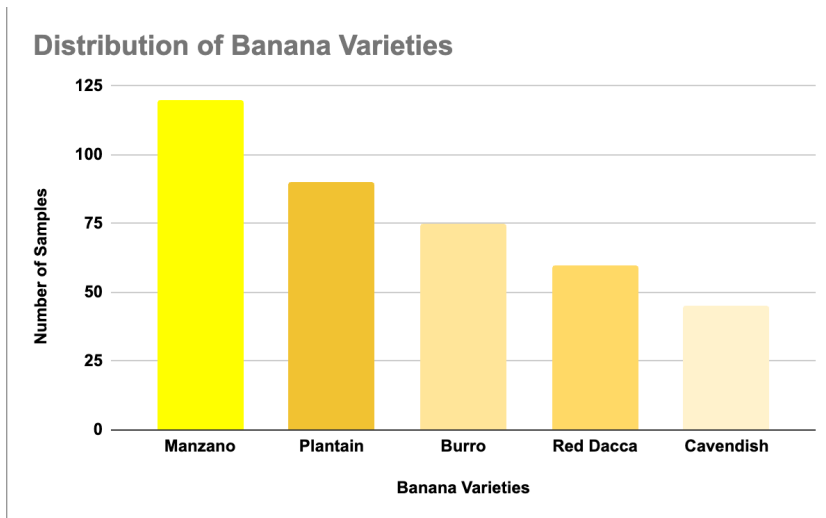


Banana Quality Database Analysis

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This report analyzes the Banana Quality Dataset, which contains information on banana samples such as their variety, region, weight, ripeness, sugar content, and harvest dates. The purpose of this analysis is to identify trends and patterns in the database. Using SQL queries we can answer these three questions.

1. Which banana variety is the most common?
2. What is the average weight of bananas in each region?
3. How fresh are the bananas in this dataset?



Most Common Banana Variety

The following SQL query was used to count the number of samples for each variety:

```
SELECT variety, COUNT(*) AS total_samples
FROM banana_quality
GROUP BY variety
ORDER BY total_samples DESC;
```

The results reveal that Manzano is the most common variety. This is followed by Plantains and Burrows. This gives insight to help prioritize that would dominate the market place.

The Banana Average Weight by Region

To understand the regional differences of the average weight of the bananas this query was used.

```
1 SELECT region, AVG(weight_g) AS avg_weight
2 FROM banana_quality
3 GROUP BY region
4 ORDER BY avg_weight DESC;
```

After the query was used it was shown that the bananas from Ecuador are the heaviest on average. This is followed by Columbia and Guatemala. This information is for identifying regions known to produce bigger bananas.

The Recency of the Data

Finally the dataset's freshness can be seen by counting how many of the samples were collected after a specific date.

```
SELECT COUNT(*) AS total_samples  
FROM banana_quality  
WHERE harvest_date > '2023-10-01'
```

The result of the query indicates that 60% had been harvested recently. This shows that this data set contains a majority of fresh bananas for the time making it useful for buyers.

Conclusion

In conclusion the database shows that,

- Manzano variety is most common
- Ecuador produces the heaviest bananas on average
- The datatable is up to date.

The banana dataset helps make important decisions about the banana business.