

PROJECT #1

SCREENSHOTS

Paste a screenshot of your database table's structure here:

The screenshot shows a database management interface with a table structure view for a table named 'banana_quality'. The table has 16 columns. The columns are: sample_id (int(4)), variety (varchar(11)), region (varchar(11)), quality_score (decimal(3,2)), quality_category (varchar(10)), ripeness_index (decimal(3,2)), ripeness_category (varchar(8)), sugar_content_brix (decimal(4,2)), firmness_kgf (decimal(3,2)), length_cm (decimal(4,2)), weight_g (decimal(5,2)), harvest_date (varchar(10)), tree_age_years (decimal(3,1)), altitude_m (decimal(5,1)), rainfall_mm (decimal(5,1)), and soil_nitrogen_ppm (decimal(4,1)). Each column has a 'Change' button and a 'Drop' button. The interface also includes a search bar, a 'Table structure' tab, and a 'Relation view' tab. Below the table structure, there are buttons for 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', and 'Fulltext'. There are also buttons for 'Add to central columns' and 'Remove from central columns'. At the bottom, there is a 'Print' button, a 'Propose table structure' button, a 'Track table' button, a 'Move columns' button, and a 'Normalize' button. There is also a 'Go' button next to a search bar.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	sample_id	int(4)		No	None				Change Drop More
2	variety	varchar(11)	utf8_general_ci	Yes	NULL				Change Drop More
3	region	varchar(11)	utf8_general_ci	Yes	NULL				Change Drop More
4	quality_score	decimal(3,2)		Yes	NULL				Change Drop More
5	quality_category	varchar(10)	utf8_general_ci	Yes	NULL				Change Drop More
6	ripeness_index	decimal(3,2)		Yes	NULL				Change Drop More
7	ripeness_category	varchar(8)	utf8_general_ci	Yes	NULL				Change Drop More
8	sugar_content_brix	decimal(4,2)		Yes	NULL				Change Drop More
9	firmness_kgf	decimal(3,2)		Yes	NULL				Change Drop More
10	length_cm	decimal(4,2)		Yes	NULL				Change Drop More
11	weight_g	decimal(5,2)		Yes	NULL				Change Drop More
12	harvest_date	varchar(10)	utf8_general_ci	Yes	NULL				Change Drop More
13	tree_age_years	decimal(3,1)		Yes	NULL				Change Drop More
14	altitude_m	decimal(5,1)		Yes	NULL				Change Drop More
15	rainfall_mm	decimal(5,1)		Yes	NULL				Change Drop More
16	soil_nitrogen_ppm	decimal(4,1)		Yes	NULL				Change Drop More

Paste screenshots of your SQL queries here:

Number of Variety of Bananas

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

Average Weight of Bananas per Region

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

Samples Harvested After Specific Date

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

Paste a screenshot of your chart(s) here

