

# Summary Statistics with SQL: Takeaways



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## Syntax

- Aggregating the rows of a column

```
SELECT aggregate_function(column) AS new_name
FROM table;
```

- Computing several summary statistics

```
SELECT SUM(column_1) AS column_name_1, AVG(column_2) AS column_name_2, ...
FROM table;
```

- Computing statistics of computed columns

```
SELECT AVG(computed_column) AS avg_runtime
FROM table;
```

- Combining aggregate and scalar functions

```
SELECT ROUND(AVG(column or compute_column), 1) AS column_name
FROM table;
```

- Combining aggregate functions

```
SELECT SUM(column)/COUNT(column) AS column_name
FROM table;
```

- Summarizing statistics under conditions

```
SELECT SUM(column_1) AS column_name_1, AVG(column_2) AS column_name_2, ...
FROM table
WHERE conditions;
```

## Concepts

- Aggregate functions allow making operations combining several rows.
- We can use aggregate functions with the other clauses and functions that we've learned.

## Resources

- [SQL aggregate functions](#)

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