

It appears you've uploaded an image of an Excel spreadsheet. This spreadsheet looks like a sales and ranking analysis for different shops. I'll provide documentation based on the information and functions likely used in the spreadsheet.

## Data Fields

The spreadsheet has several columns, each representing a specific data point:

- **shop\_name:** The name of the shop (e.g., dmart, vishal mart).
  - **address:** The physical or operational location of the shop.
  - **mode:** The type of business operation, either "offline" or "online."
  - **outlets:** The number of stores or outlets the business has.
  - **customer\_count:** The number of customers.
  - **sales:** The total sales revenue.
  - **employee:** The number of employees.
  - **sales + tax:** The total sales including an amount for tax.
  - **sales per outlet:** Calculated by dividing total **sales** by the number of **outlets**.
  - **rank.avg(asc):** This column uses the RANK.AVG function to rank the shops in **ascending** order (from smallest to largest) based on a specific metric, likely **sales per outlet**. The RANK.AVG function assigns an average rank to duplicate values.
  - **rank.avg(dec):** This column also uses the RANK.AVG function, but ranks the shops in **descending** order (from largest to smallest).
  - **rank.eq(asc):** This column uses the RANK.EQ function to rank the shops in **ascending** order. The RANK.EQ function assigns the same rank to duplicate values, but the next value gets a skipped rank.
  - **rank.eq(desc):** This column uses the RANK.EQ function to rank the shops in **descending** order.
  - **Rank:** A final, consolidated ranking column.
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## Excel Functions and Concepts

Based on the spreadsheet, these are the key Excel functions and concepts demonstrated.

### 1. SUM Function

The row labeled **11** appears to use the SUM function to calculate the **total** for specific columns. For example, in cell **F11**, the formula would be =SUM(F5:F10) to total the number of outlets. The SUM function adds all the numbers in a range of cells.

## 2. RANK.EQ and RANK.AVG Functions

These functions are used for ranking data.

- **RANK.EQ(number, ref, [order])**: Ranks a **number** against a list of numbers (**ref**). If two numbers have the same rank, they get the same rank number, and the next number in the list receives a skipped rank. For example, if two values are ranked 3rd, the next value will be ranked 5th.
- **RANK.AVG(number, ref, [order])**: This function is similar to RANK.EQ but assigns an **average** rank to any duplicate values. For example, if two values are ranked 3rd and 4th, they would both be assigned a rank of 3.5.
- **[order] argument**: This is an optional argument. A value of **0** or omitted makes the ranking **descending** (largest value gets rank 1). A value of **1** makes the ranking **ascending** (smallest value gets rank 1).

## 3. MIN, MAX, and AVERAGE Functions

The rows labeled **13** through **15** likely use these functions to get a statistical summary of the data.

- **MIN(range)**: Finds the **smallest** number in a range of cells.
- **MAX(range)**: Finds the **largest** number in a range of cells.
- **AVERAGE(range)**: Calculates the **arithmetic mean** of the numbers in a range.

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## Example Calculations

Let's look at some of the calculations in the spreadsheet:

- **Sales per Outlet**: The value in cell **I5** (3600) is calculated using the formula =H5/E5, which is 18000 / 5. This formula is likely copied down to the other rows.
- **Total Sales**: The total in cell **G11** (710000) is the sum of the values from **G5** to **G10**. The formula would be =SUM(G5:G10).

This spreadsheet provides a comprehensive view of how a company might track and analyze sales data across different outlets using fundamental Excel functions. It showcases how to use ranking to compare performance and how to use basic statistical functions to summarize key metrics.