

A hand holding a tablet is the central focus, with various data visualization icons overlaid on a blue background. The icons include a bar chart, a line graph, a pie chart, a cloud with arrows, a smartphone, a laptop, a Wi-Fi symbol, and a building. The background also features a grid of dots and lines, suggesting a data-driven environment.

Deep-dive into Tableau

Part 7 – Functions

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Content

- Date Function
- Number Function
- String Functions
- Logical Functions

Logical Function

- Logical functions allow finding whether the given condition is true or false.
- Logical functions are incredibly useful for building custom categorization
- Most commonly use logical functions are:
 1. IF
 2. THEN
 3. ELSE
 4. ELSEIF
 5. IFNULL
 6. IIF
 7. AND
 8. OR
 9. CASE
 10. END

Date Functions

- Date function allows us to manipulate date field with YEAR,MONTH, QUARTER,DAY
- Using this existing values we can create new date function.
- Some of date function which are widely used are:
 1. DATE
 2. DATEADD
 3. DATEDIFF
 4. DATENAME
 5. DATEPART
 6. DATETRUNC
 7. MAKEDATE

String Function

- String function are used to manipulate string data type of data in the data sources
- Tableau provides various string function to format or alter string data or substring.
- Most widely used string functions are:
 1. CONTAINS
 2. FIND
 3. LEFT
 4. LEN
 5. RIGHT
 6. STR

Number Functions

- Number function in tableau allows us to perform calculations on the field present in the connected data sources
- Types of Number functions
 1. Mathematical number function
 2. Trigonometric number function
 3. Statistical number function
- Most commonly used number functions are
 1. ABS
 2. ZN
 3. MAX
 4. MIN

Let's Try ourselves

- Accept day, month and year from user and create date dd/mm/yyyy format
- Find Min and max sales
- Show trend for order date per absolute profit
- Show dynamic graph trend for year ,quarter, month ,week,day as per user selection
- Show reference band for ship date enter by user

Thank You