

Excel Class



Lookup formula

Analysing the Walmart Case Study using the Excel Functions



Lookup and Index Functions in Excel

- Lookup and Index functions in Excel allow users to search, retrieve, and manipulate data based on specific criteria or conditions.
- These functions are particularly useful for finding values, matching data, and performing dynamic data referencing.
- Lookup Functions like - **VLOOKUP, HLOOKUP, XLOOKUP, INDEX, MATCH, OFFSET, ROW, ROWS, COLUMN, COLUMNS, INDIRECT**

product details - Excel

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OFFSET X ✓ fx =LOOKUP(829,C2:C7,B2:B7)

	A	B	C	D	E	F
1	Product ID	Product Name	Price			
2	PD001	Net Connector	749			
3	PD002	Pendrive	1299			
4	PD003	Bluetooth	620			
5	PD004	Router	1450			
6	PD005	WireLess	999			
7	PD006	Speaker	2549			
8						

lookup_value to search

Result

=LOOKUP(2589,C2:C7,B2:B7)

range with which find approx lookup_value

Sheet1

Edit Accessibility: Good to go 100%

Insights and Analysis on Walmart dataset

Utilizing these functions on the Walmart dataset, we can gain insights and perform various use cases, such as:

- Retrieving specific values based on lookup criteria (e.g., product information, sales data).
- Matching and combining data from different tables or ranges.
- Dynamic **data referencing** and **manipulation** based on changing conditions.
- **Extracting** information based on row or column numbers.
- Performing conditional calculations and analysis using indirect references.

Business Use Case

Lookup and Index functions provide powerful capabilities for data retrieval and referencing in Excel. By applying functions such as **VLOOKUP**, **HLOOKUP**, **XLOOKUP**, **INDEX**, **MATCH**, **OFFSET**, **ROW**, **ROWS**, **COLUMN**, **COLUMNS**, and **INDIRECT**, we can draw meaningful insights and perform various use cases on the Walmart dataset. These functions enable us to search, match, and dynamically reference data, facilitating deeper analysis and decision-making processes.

