

VLOOKUP AND HLOOKUP

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Introduction

- ▶ VLookup
- ▶ HLookup



VLookUp

- ▶ Vertical Lookup function is called as VLookup function. This function is used to find values vertically across a set of rows in a table.
- ▶ It looks for a value vertically across the lookup table. It returns an exact or approximate value based on the column number given in Excel.

Syntax of VlookUp

```
VLOOKUP(lookup_value, table_array, col_index_num,  
[range_lookup]).
```

- ▶ Value you want to look up
- ▶ The range where the lookup value is located
- ▶ Row number in the range that contains the return value
- ▶ you can specify 'TRUE' for an appropriate match or 'FALSE' for an exact match of the return value

HLookup

- ▶ Horizontal Lookup function is called as HLookup function. This function used to find values horizontally across a set of rows in a table.
- ▶ It looks for a value horizontally across the lookup table. It returns an approximate or exact value based on the row number given in Excel.

Syntax of HLookup :

HLLOOKUP(lookup_value, table_array, row_index_num,
[range_lookup]).

- ▶ **LOOKUP_VALUE** :- Value you want to look up
- ▶ **TABLE_ARRAY**:- The range where the lookup value is located
- ▶ **ROW_INDEX_NUM**:- Row number in the range that contains the return value
- ▶ **RANGE_LOOKUP**:-Optically you can specify 'TRUE' for an appropriate match or 'FALSE' for an exact match of the return value

Difference between HLookup and VLookup :

HLOOKUP

- ▶ It looks for a value horizontally across the lookup table.
- ▶ The use of HLookup function is less as compared to VLookup function.
- ▶ It is used when data is listed in rows.

VLOOKUP

- ▶ It looks for a value vertically across the lookup table.
- ▶ The use of VLookup function is more than compared to HLookup function.
- ▶ Whereas it is used when data are listed in columns.

Application

► Why are VLOOKUP and Hlookup important in data analysis?

VLOOKUP allows you to search a data range that is set **up vertically**. **HLOOKUP** is the exact same function, but looks up data that has been formatted by rows instead of columns. **LOOKUP** and related functions are commonly used for business analytics in Excel as a way of slicing and dicing data for analysis.



THANK YOU