ikigai

Joining Tables on Ikigai

JOINING TWO TABLES ON IKIGAI

Summary:

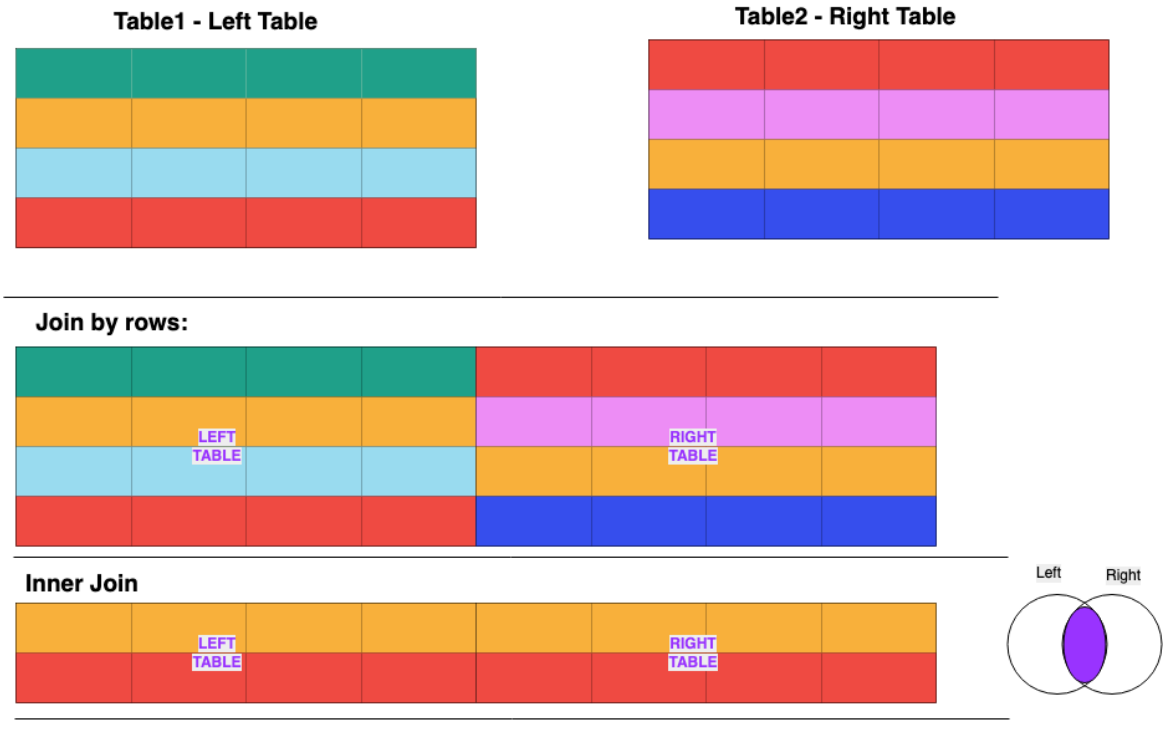
- Ikigai supports joining two tables in an easy, interactive manner without any need for writing formulae or code.
- On Ikigai, there are 7 ways in which you can join two tables – Join by rows, Inner join, full join, left join, right join, left join without intersection, and right join without intersection
- Ikigai also supports joining two tables on multiple column fields simultaneously.

In this Guide, we will address the problems many data operators around the world face – "Matching" values from different tables. Let's get started:

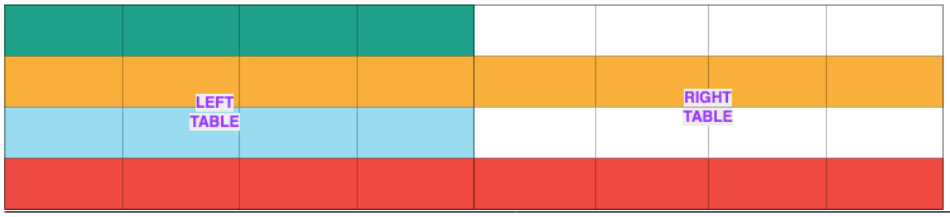
Matching values of one table with the corresponding rows of other table is one of the major requirements for any data operator. This is why Vlookup has been one of the most used functions in Excel. However, many people still face issues with writing the Excel formula because of various syntax errors, #NAs, #VALUE errors and whatnot! Similar is the case with various "Join" functionalities on SQL.

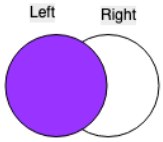
The bottom line is not everyone handling data is a coder, and they need not be. That's where Ikigai comes into the picture. We enable everyone to get these data processing tasks done in an easy and interactive drag-and-drop interface within clicks. We will explain this with an easy example below to showcase how easy it is to "join" two tables on Ikigai – without you needing to write any formula, code or syntax.

First of all, there are various ways of joining two tables. The simplest of all is joining them row by row, i.e., row1 of table1 is combined with row1 of table2 and so on. Other forms of joining two tables are inner join, full join, left join, right join, left join without intersection, and right join without intersection.
The Venn diagram representation of various types of "Joining" is as follows:

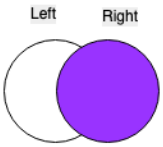


Left Join

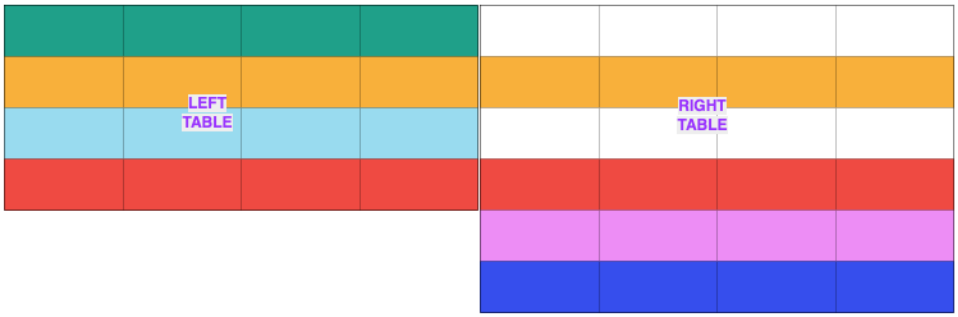


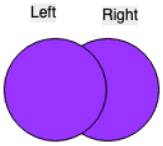


Right Join

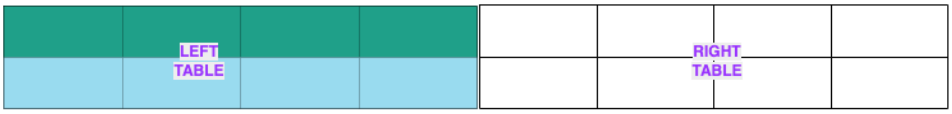


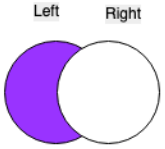
Full Join:



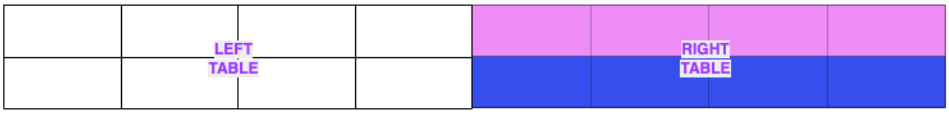


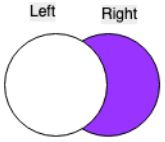
Left without intersection:



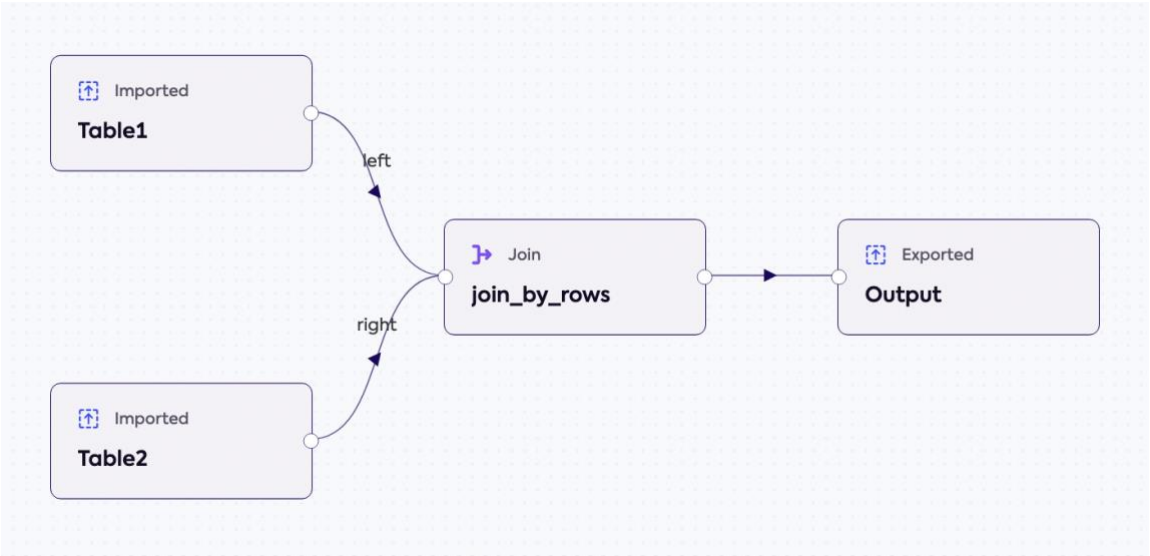


Right without intersection:

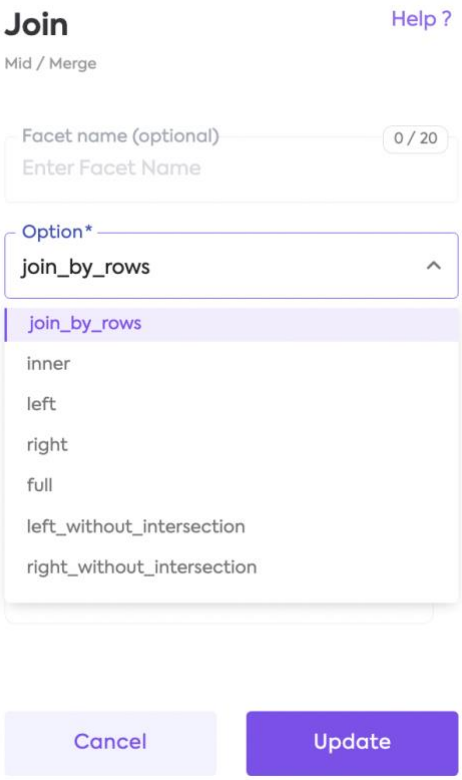




See below for how easy and interactive it is to join two tables without any formula or code on Ikigai:



Ikigai makes all these variations of joining possible simply by selecting the option given in a dropdown.



We will further elaborate on this functionality with a simple example of joining two tables —

Table1:

Team1 TEXT	Values NUMERIC
Apple	1.0
Ball	2.0
Cat	3.0
Doll	4.0

Table2:

Team2 TEXT	Points NUMERIC
Doll	5.0
Elephant	6.0
Ball	7.0
Fox	8.0

The output after **join_by_rows** will be as follows:

Team1 TEXT	Values NUMERIC	Team2 TEXT	Points NUMERIC
Apple	1.0	Doll	5.0
Ball	2.0	Elephant	6.0
Cat	3.0	Ball	7.0
Doll	4.0	Fox	8.0

The output with **INNER** joining:

Team1 TEXT	Values NUMERIC	Team2 TEXT	Points NUMERIC
Ball	2.0	Ball	7.0
Doll	4.0	Doll	5.0

The output with **LEFT** joining:

Team1 TEXT	Values NUMERIC	Team2 TEXT	Points NUMERIC
Apple	1.0	nan	
Ball	2.0	Ball	7.0
Cat	3.0	nan	
Doll	4.0	Doll	5.0

The output with **RIGHT** joining:

Team1 TEXT	Values NUMERIC	Team2 TEXT	Points NUMERIC
Doll	4.0	Doll	5.0
nan		Elephant	6.0
Ball	2.0	Ball	7.0
nan		Fox	8.0

The output of **FULL** join is as follows:

Team1 TEXT	Values NUMERIC	Team2 TEXT	Points NUMERIC
Apple	1.0	nan	
Ball	2.0	Ball	7.0
Cat	3.0	nan	
Doll	4.0	Doll	5.0
nan		Elephant	6.0
nan		Fox	8.0

The output of **LEFT WITHOUT INTERSECTION** is as follows:

Team1 TEXT	Values NUMERIC	Team2 TEXT	Points NUMERIC
Apple	1.0	nan	NaN
Cat	3.0	nan	NaN

The output of **RIGHT WITHOUT INTERSECTION** is as follows:

Team1 TEXT	Values NUMERIC	Team2 TEXT	Points NUMERIC
nan	NaN	Elephant	6.0
nan	NaN	Fox	8.0

Connect with us

1390 Market Street
Suite 200
San Francisco
California 94102
United States of America

1 Broadway
Cambridge
Massachusetts 02142
United States of America