Merging Data

X 1	X2
Α	1
В	2
С	3
†	

Same variable

Note 1: not same order

Note 2: not same values

Many possible outputs

+

X1	X2
Α	1
В	2
С	3

Y1	Y2
Α	q
В	r
D	S

left join(tbl?	1, tk	12,	bу	=	"X1")
$(right_join()$	not	show	wn)		

X1	X2	Y2
А	1	q
В	2	r
С	3	NA

inner_join(tbl1, tbl2, by = "X1")

X1	X2	Y2
А	1	q
В	2	r

Possible outputs

$$full_join(tbl1, tbl2, by = "X1")$$

X1	X2	Y2
А	1	q
В	2	r
С	3	NA
D	NA	S

(Using the dplyr package. There is also merge in base R)

Notes

The value we join on (by="") does not need to have the same name in the two tables.

The value we join on can be specified using a combination of multiple columns (album name and artist).

The value we join on does not have to uniquely identify a row, but then we get duplications.

"left join", "inner join", "full outer join" are SQL terminology.