

Wide to Long Format

Converted this

ID	X	Y
A1	1	250
B5	0	120

To this

ID	<i>Value</i>	<i>Variable Name</i>
A1	1	X
A1	250	Y
B5	0	X
B5	120	Y

What piece of information do you need to know?

- The “ID” column which uniquely identifies an observation (*id_cols*)
- Name of a column that contains X and Y values (*values_to*)
- Name of a column that specifies whether the values are X or Y (*names_to*)

Long to Wide Format

Converted this

ID	Value	Variable Name
001	1	X
002	0	X
002	90	Y
003	1	X
003	110	Y

To this

ID	X	Y
001	1	NA
002	0	90
003	1	110

What pieces of information did you need to know?

- The “ID” of the column that will uniquely identify a row in the wide format
- The names of the new columns (*names_from*)
- The values that will populate each column (*values_from*)