

	Species	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	flower
1:	setosa	5.1	3.5	1.4	0.2	1
2:	versicolor	7.0	3.2	4.7	1.4	51

**W**  
**S**

Reshape four  
input columns  
to **Single** data  
output column  
and two columns  
captured from  
input names

	Species	flower	variable	cm	part	dim
1:	setosa	1	Petal.Length	1.4	Petal	Length
2:	setosa	1	Petal.Width	0.2	Petal	Width
3:	setosa	1	Sepal.Length	5.1	Sepal	Length
4:	setosa	1	Sepal.Width	3.5	Sepal	Width
5:	versicolor	51	Petal.Length	4.7	Petal	Length
6:	versicolor	51	Petal.Width	1.4	Petal	Width
7:	versicolor	51	Sepal.Length	7.0	Sepal	Length
8:	versicolor	51	Sepal.Width	3.2	Sepal	Width

	dim	Species	flower	Petal	Sepal
1:	Length	setosa	1	1.4	5.1
2:	Width	setosa	1	0.2	3.5
3:	Length	versicolor	51	4.7	7.0
4:	Width	versicolor	51	1.4	3.2

**M1** Data output column  
for each part

	part	Species	flower	Length	Width
1:	Petal	setosa	1	1.4	0.2
2:	Sepal	setosa	1	5.1	3.5
3:	Petal	versicolor	51	4.7	1.4
4:	Sepal	versicolor	51	7.0	3.2

**M2** Data output column  
for each dim

Reshape four input columns  
to **Multiple** (2) data output  
columns and one column  
captured from input names