

Which is long?
Which is wide?

What is the key?
What is the value?

```
data %>% gather(Year, n, c("2011", "2012", "2013"))  
data %>% gather(Year, n, 2:4)
```

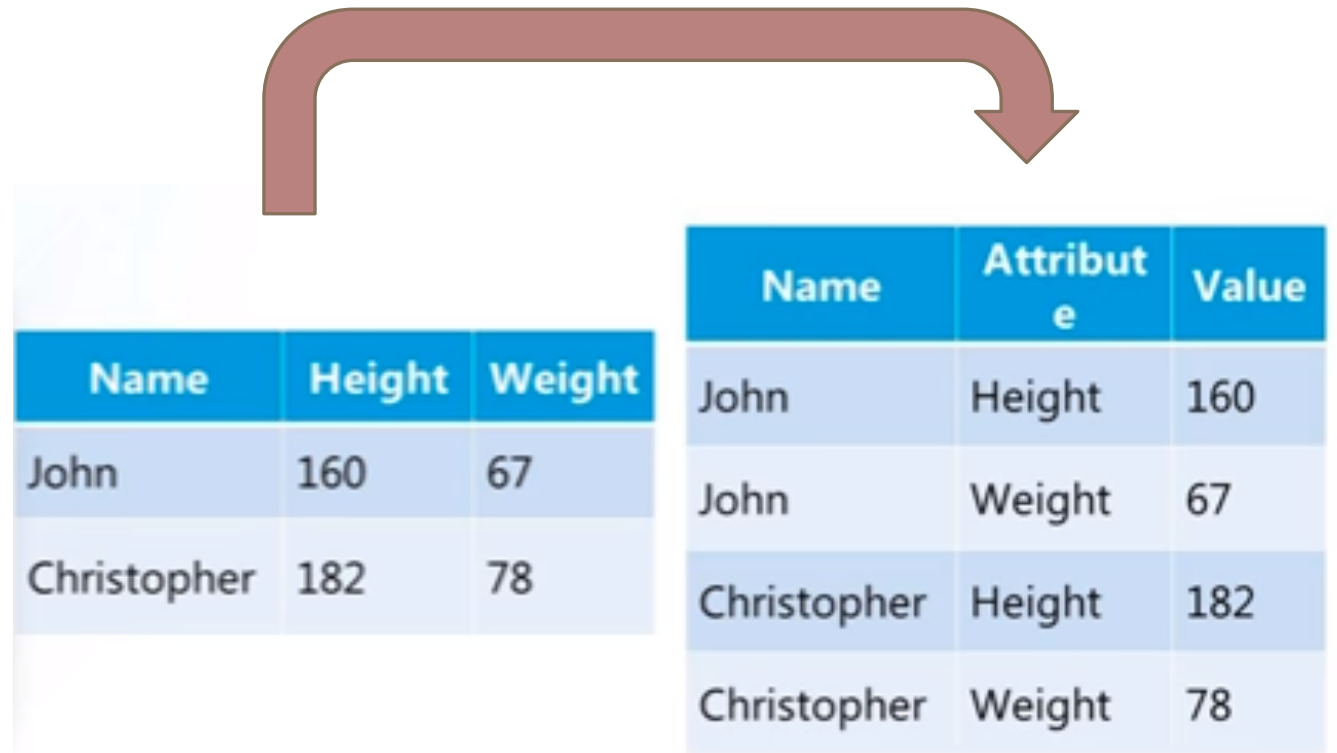


Country	2011	2012	2013
FR	7000	6900	7000
DE	5800	6000	6200
US	15000	14000	13000

Country	Year	n
FR	2011	7000
DE	2011	5800
US	2011	15000
FR	2012	6900
DE	2012	6000
US	2012	14000
FR	2013	7000
DE	2013	6200
US	2013	13000

```
data %>% spread(Year, n)
```

```
data %>% gather(Attribute, Value, c("Height", "Weight"))
```



Which is long?
Which is wide?

What is the key?
What is the value?

```
data %>% spread(Attribute, Value)
```