

For many analyses in R, data need to be in Long format with each row being one observation. So, we want to transform our `dataRT` data frame so it looks like this:

ID	Condition	RT
...	...	...

To do this we can use the `gather()` function in the `tidyr` package.

```
> data_long <- gather(dataRT, "Condition", "RT", c("Simple_Sentence",  
"Complex_Sentence"))
```

The first parameter is the name of the data frame we want to reshape, the second is the name of the new 'Key' column, the third is the name of the new value column and the fourth the names of the columns we want to collapse.

**We can use this to create a new data frame called `data_long` which looks like this:**

```
> data_long <- gather(dataRT, "Condition", "RT", c("Simple_Sentence",  
"Complex_Sentence"))  
> head(data_long)
```

	ID	Condition	RT
1	1138	Simple_Sentence	1902
2	6223	Simple_Sentence	1797
3	6092	Simple_Sentence	2080
4	6232	Simple_Sentence	1856
5	8606	Simple_Sentence	1997
6	6400	Simple_Sentence	1868