Problem - imagine our data are in the wrong 'shape' - they are in Wide format (each row is one *participant*) but we need them in Long format (each row is one *observation*).

In SPSS, most data will be in Wide format with each experimental condition its own column:

```
> dataRT
      ID Simple_Sentence Complex_Sentence
1   9937            1996             2551
2   1506            2235             2310
3   5212            2177             2244
4    374            1824             2483
5   6757            2113             2567
6   1778            2056             2791
7   9421            2037             2226
8   5576            2073             2270
9   7326            1830             2640
10  4166            1824             2386
```

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.