

Tidying and Transforming Data

Imagine we have two datasets - one (called `data`) contains a large number of records of individual participants with measures of Working Memory, IQ, and reading comprehension.

If we type into the Console:

```
> View(data)
```

the data frame is displayed like this...



	ID	WM	IQ	Comp
1	1	43	72	16
2	2	51	109	18
3	3	55	107	18
4	4	38	102	20
5	5	52	121	17
6	6	52	92	16
7	7	47	68	21
8	8	47	97	23
9	9	47	93	22
10	10	45	101	17
11	11	47	86	17
12	12	45	113	21
13	13	46	114	19
14	14	50	99	20

Showing 1 to 14 of 10,000 entries

To get more information about the structure of our data frame we can type:

```
> str(data)
'data.frame':   10000 obs. of  4 variables:
 $ ID   : int   1  2  3  4  5  6  7  8  9 10 ...
 $ WM   : int   43 51 55 38 52 52 47 47 47 45 ...
 $ IQ   : int   72 109 107 102 121 92 68 97 93 101 ...
 $ Comp: int   16 18 18 20 17 16 21 23 22 17 ...
```

So we have 10,000 observations with 4 variables associated with each observation - all of them of type integer.

If you ever need help about a function (e.g. str), just type:

```
> ?str
```

or

```
> help(str)
```

in the Console window.