Our data frame is called `cond` and has the following structure:

```
> str(cond)
'data.frame':   45 obs. of  3 variables:
 $ Participant: num  1 2 3 4 5 6 7 8 9 10 ...
 $ Condition  : Factor w/ 3 levels "Water","Double Espresso",..: 1 1 1 1 1 1
1 1 1 1 ...
 $ Ability    : num  4.82 5.41 5.73 4.36 5.47 …

> head(cond)
  Participant Condition  Ability
1           1     Water 4.817174
2           2     Water 5.410972
3           3     Water 5.733776
4           4     Water 4.361721
5           5     Water 5.471650
6           6     Water 5.502422
```

We have three columns - Participant number, Condition, and Ability. Condition is our IV, and Ability our DV. Note, our data are in tidy format with one observation per row.

Let's visualise the data first

Data of Ability by Condition