

Now some descriptives...

We're going to do this by using the *describeBy* function in the *Psych* package.

```
> describeBy(cond$Ability, group = cond$Condition)
```

```
> describeBy (cond$Ability, group = cond$Condition)
```

```
Descriptive statistics by group
```

```
group: Water
```

	vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
x1	1	15	5.17	0.36	5.08	5.18	0.36	4.36	5.73	1.37	-0.27	-0.49	0.09

```
group: Single Espresso
```

	vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
x1	1	15	6.99	0.42	6.88	6.93	0.3	6.45	8.19	1.74	1.4	1.83	0.11

```
group: Double Espresso
```

	vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
x1	1	15	8.89	0.47	8.85	8.87	0.31	8.11	9.92	1.81	0.72	0.05	0.12

Or alternatively using functions from the `dplyr` package:

```
> cond %>% group_by(Condition) %>% summarise(mean = mean(Ability),
sd = sd(Ability), count = n())
# A tibble: 3 x 4
  Condition      mean      sd count
  <fct>      <dbl> <dbl> <int>
1 Water          5.17 0.362     15
2 Single Espresso 6.99 0.419     15
3 Double Espresso 8.89 0.467     15
```