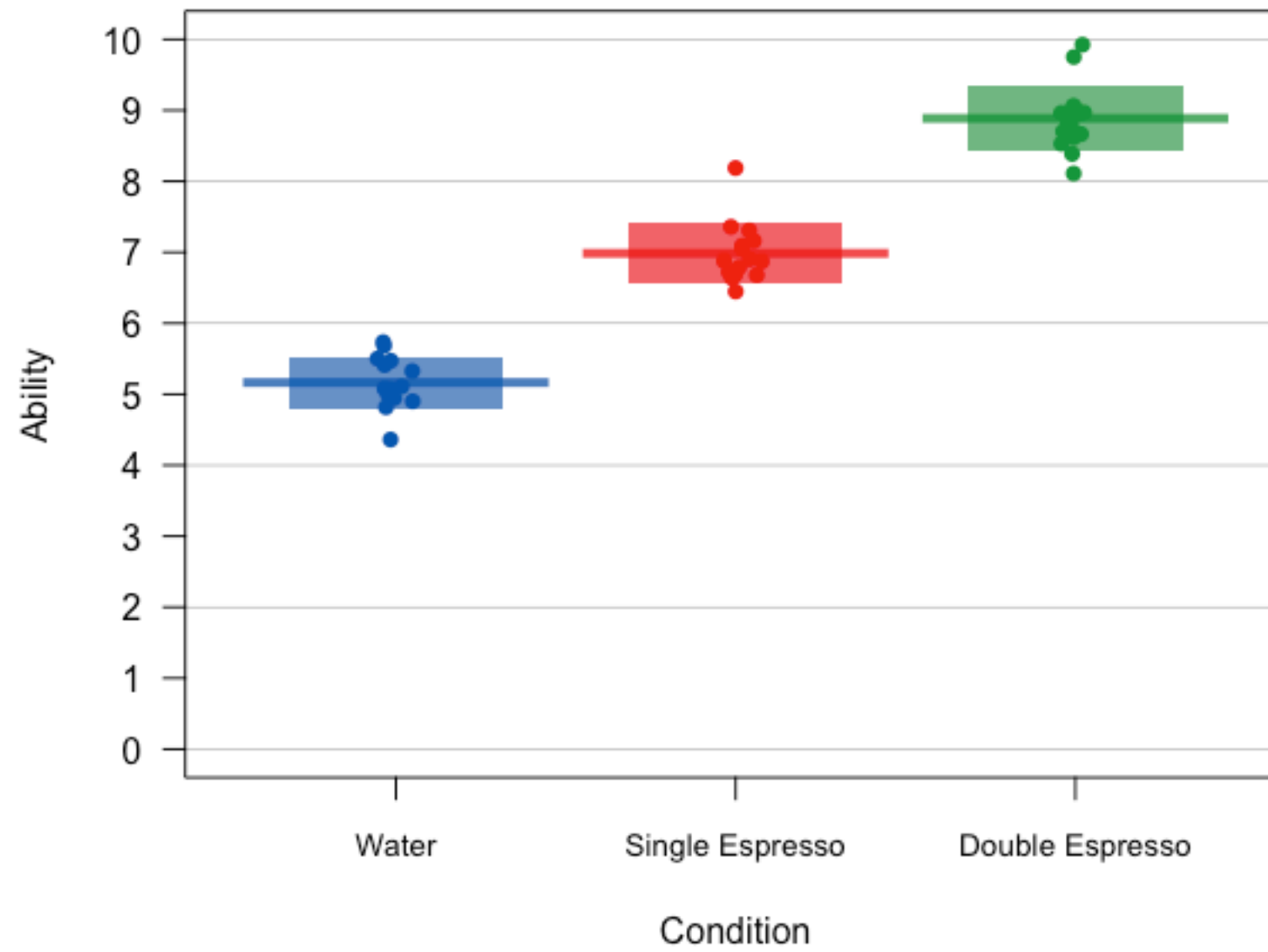


**Data of Ability by Condition**



# Measure of Effect Size

- Effect size measures tell us how much variance can be explained by our experimental factors.
- partial  $\eta^2$  is a correlation between the dependent variable and different levels of a factor.
- For designs with more than one factor it can be a useful indicator of how much variance in the dependent variable can be explained by each factor (plus any interactions between factors).

```
> EtaSq(model, type = 3, anova = TRUE)
```

	eta.sq	eta.sq.part	SS	df	MS	F	p
Condition	0.93397251	0.9339725	103.871817	2	51.9359084	297.0494	0
Residuals	0.06602749	NA	7.343252	42	0.1748393	NA	NA