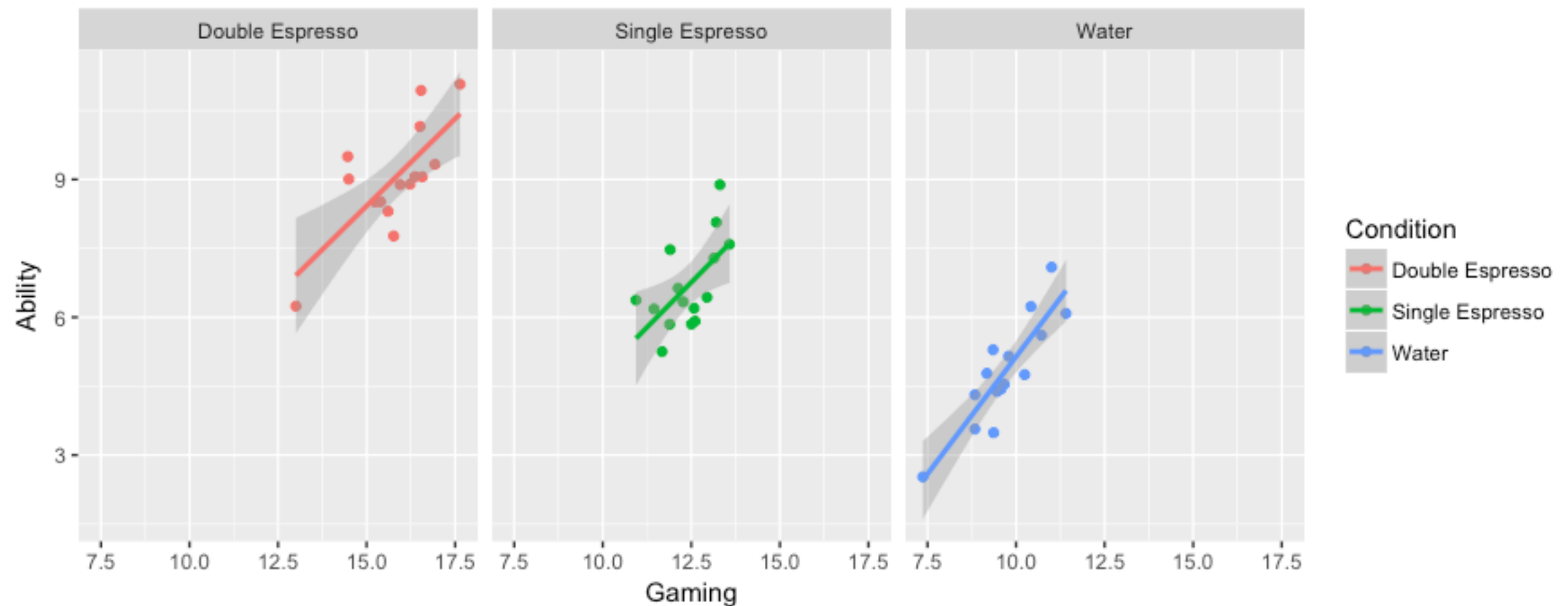


We can look at the data separately by condition using the *facet_wrap()* function:

```
> ggplot(cond, aes(x = Gaming, y = Ability, colour =  
Condition)) + geom_point() + facet_wrap(~ Condition) +  
geom_smooth(method = 'lm')
```



Running a 1-way between participants ANOVA (and ignoring the covariate)...

```
> model1 <- aov_4(Ability ~ Condition + (1 | Participant), data = cond)
Contrasts set to contr.sum for the following variables: Condition
> anova(model1)
Anova Table (Type 3 tests)
```

Response: Ability

	num	Df	den	Df	MSE	F	ges	Pr(>F)
Condition	2		42		1.2422	53.432	0.71786	2.882e-12 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

The factor Condition is significant with an $F = 53.432$. We would erroneously conclude that our manipulation has had an effect...