Ability = Intercept + β 1(Gaming) + β 2(Double Espresso) + β 3(Single Espresso) + ϵ

The $\beta 2$ and $\beta 3$ coefficients tell us the difference between each group mean (i.e., the adjusted mean) compared to the reference Group (Water) when taking into account the covariate of Gaming frequency:

 $\beta 2$ is the difference between the Double Espresso and Water group adjusted means (= -1.01) while $\beta 3$ is the difference between the Double Espresso and Water group adjusted means (= -0.46)...

Let's check - the following are the adjusted means output by the ANCOVA model:

Water Group = 7.33

Double Espresso Group = 6.32

Single Espresso Group = 6.87

Difference between the Water and Double Espresso Group is 1.01 and the difference between the Water and Single Espress Group is 0.46...