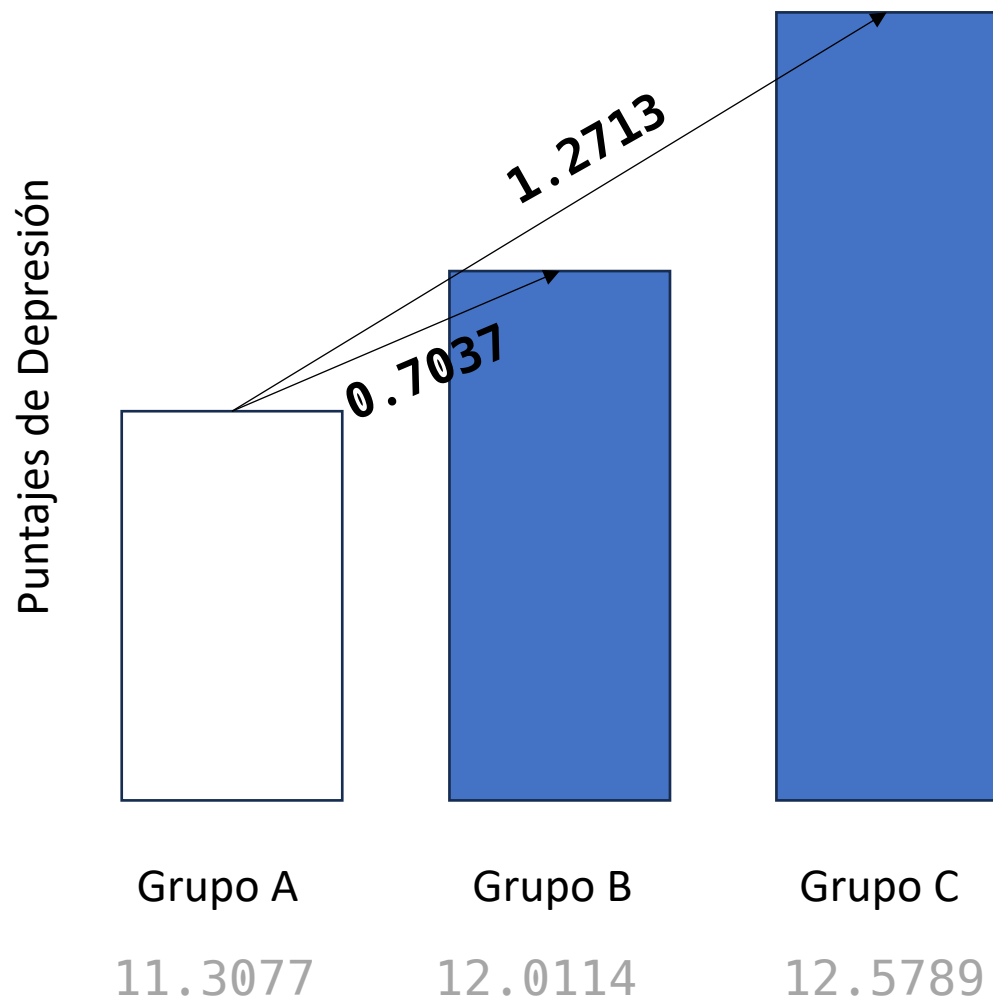


Modelo 1: media de “grupo a” es el intercepto.



```
> lm(dep ~ 1 + grupo_b + grupo_c, data = data_model) %>%  
+ summary()
```

Call:

```
lm(formula = dep ~ 1 + grupo_b + grupo_c, data = data_model)
```

Residuals:

Min	1Q	Median	3Q	Max
-12.0114	-4.5789	-0.5789	3.6923	21.6923

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	11.3077	0.5488	20.604	<2e-16 ***
grupo_b	<b>0.7037</b>	0.7236	0.972	0.3314
grupo_c	<b>1.2713</b>	0.7475	1.701	0.0897 .

---

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

Residual standard error: 6.257 on 455 degrees of freedom  
(42 observations deleted due to missingness)

Multiple R-squared: 0.006318, Adjusted R-squared: 0.001951  
F-statistic: 1.447 on 2 and 455 DF, p-value: 0.2365

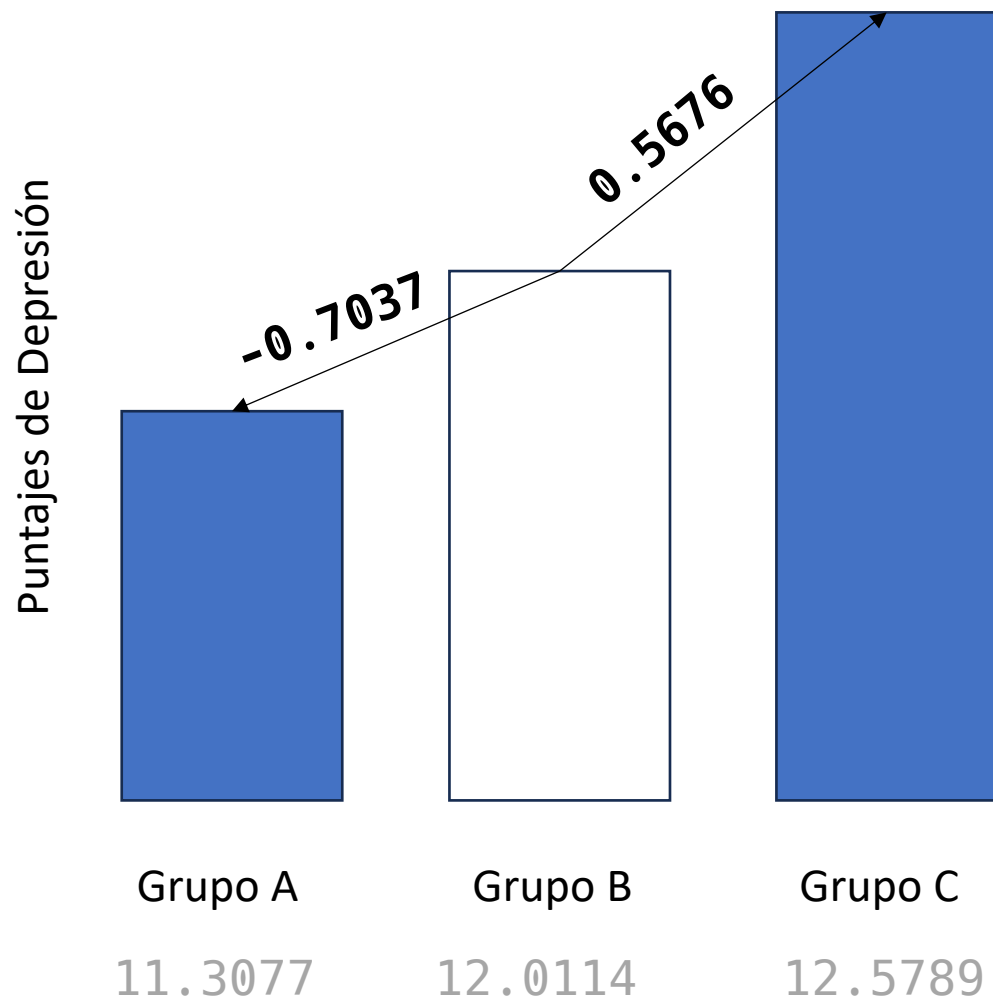
$dep = b1 + b2*grupo\_b + b3*grupo\_c + e$

Media grupo a =  $b1$

Media grupo b =  $b1 + b2$

Media grupo c =  $b1 + b3$

Modelo 2: media de “grupo b” es el intercepto.



```
> lm(dep ~ 1 + grupo_a + grupo_c, data = data_model) %>%  
+ summary()
```

Call:

```
lm(formula = dep ~ 1 + grupo_a + grupo_c, data = data_model)
```

Residuals:

Min	1Q	Median	3Q	Max
-12.0114	-4.5789	-0.5789	3.6923	21.6923

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	12.0114	0.4717	25.466	<2e-16 ***
grupo_a	<b>-0.7037</b>	0.7236	-0.972	0.331
grupo_c	<b>0.5676</b>	0.6929	0.819	0.413

---

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

Residual standard error: 6.257 on 455 degrees of freedom  
(42 observations deleted due to missingness)

Multiple R-squared: 0.006318, Adjusted R-squared: 0.001951  
F-statistic: 1.447 on 2 and 455 DF, p-value: 0.2365

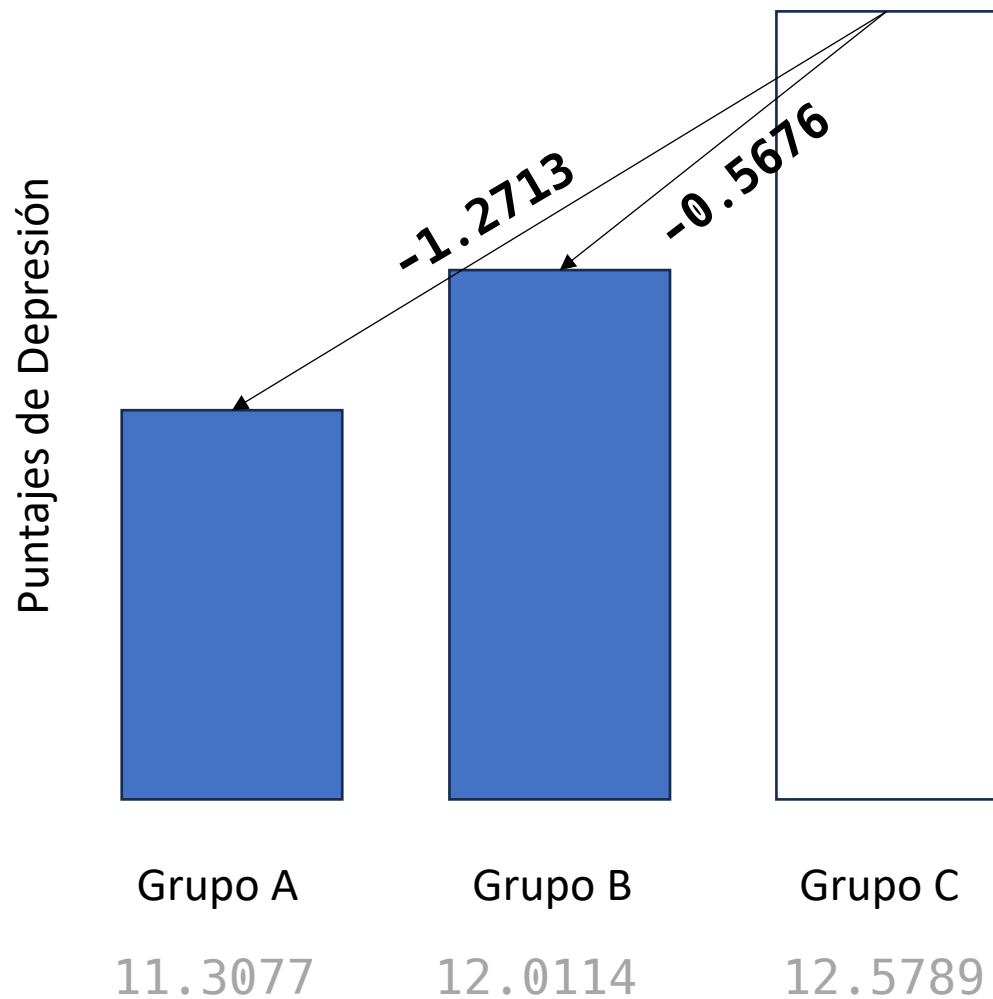
$dep = b1 + b2*grupo\_a + b3*grupo\_c + e$

Media grupo a =  $b1 + b2$

Media grupo b =  $b1$

Media grupo c =  $b1 + b3$

Modelo 3: media de “grupo c” es el intercepto.



```
> lm(dep ~ 1 + grupo_a + grupo_b, data = data_model) %>%  
+ summary()
```

Call:

```
lm(formula = dep ~ 1 + grupo_a + grupo_b, data = data_model)
```

Residuals:

Min	1Q	Median	3Q	Max
-12.0114	-4.5789	-0.5789	3.6923	21.6923

Coefficients:

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	12.5789	0.5075	24.785	<2e-16 ***
grupo_a	-1.2713	0.7475	-1.701	0.0897 .
grupo_b	-0.5676	0.6929	-0.819	0.4131

---

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

Residual standard error: 6.257 on 455 degrees of freedom  
(42 observations deleted due to missingness)

Multiple R-squared: 0.006318, Adjusted R-squared: 0.001951

F-statistic: 1.447 on 2 and 455 DF, p-value: 0.2365

$$\text{dep} = b1 + b2*\text{grupo\_a} + b3*\text{grupo\_b} + e$$

$$\text{Media grupo a} = b1 + b2$$

$$\text{Media grupo b} = b1 + b3$$

$$\text{Media grupo c} = b1$$