Class 6 Feb

Tuesday, February 6, 2018 8:39 AM

Grey

$$Y_{ip} = \beta_0 + \beta_1 X_p + \beta_2 Z_p + \beta_3 X_p Z_p + \varepsilon_{ip}$$

β_0 — Grey

$\beta_1 X_p$ — Exp

$\beta_1 X_p + \beta_3 X_p Z_p$

$= (\beta_1 + \beta_3 Z_p) X_p$

$Z_p = 2$

$\longrightarrow (\beta_1 + 2\beta_3) X_p$

~~Unconditional~~

Main effect → ap

$\beta_3 X_p Z_p + e_p$

$(\beta_0 + \beta_2 z_1)$

$z = 1$

$(\beta_0 + \beta_2)$

$z = 0$

(β_0)

pplis to everyone

→ not part of Ixn

$z = 0$

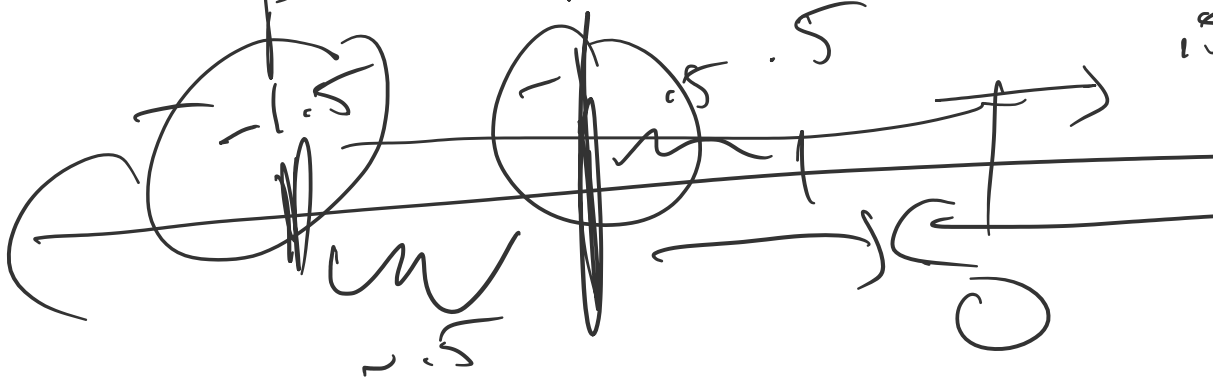
Simple Main Effe

Conditional Main Effe

Slope of exp4 for

Slope of exp4 for

β exp4 * mini =



Origina

β_1

X_p

$\beta_1 + \beta_3 Z_p$

control : -1

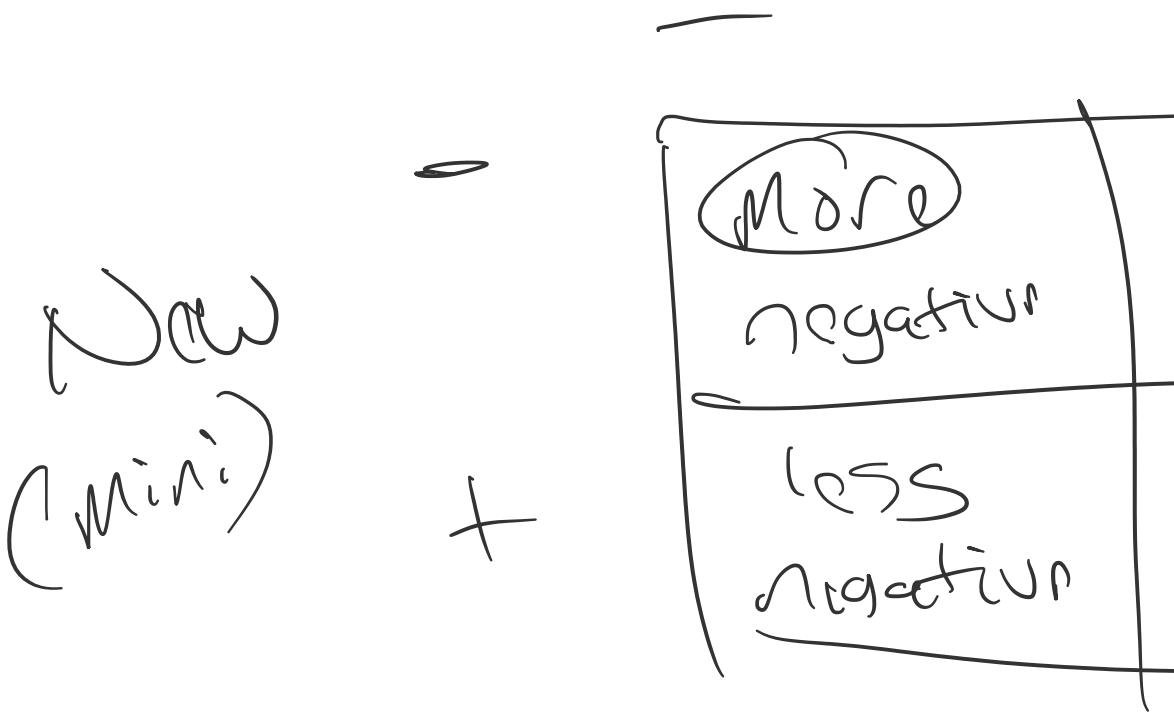
min : 1.5

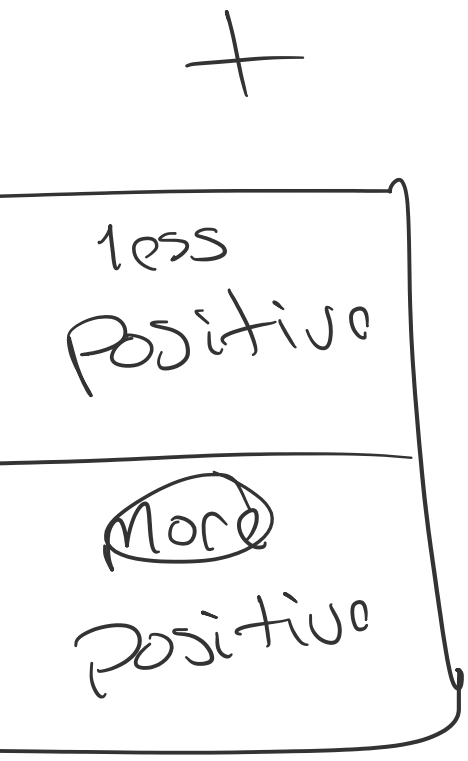
$+.5$

control

$-.5$ 1.0 $+.5$ 1.5

(control)


New
(Mini)
-
+
More
negative
less
negative


+
less
positive
more
positive