



Corrigendum

Educational note: Paradoxical collider effect in the analysis of non-communicable disease epidemiological data: a reproducible illustration and web application

Miguel Angel Luque-Fernandez, Michael Schomaker, Daniel Redondo-Sanchez, Maria Jose Sanchez Perez, Anand Vaidya and Mireille E Schnitzer

First published online: 10 December 2019, *Int J Epidemiol* 2019; Volume 48, Issue 2, April 2019, Pages 640–653.
doi: <https://doi.org/10.1093/ije/dyy275>

The corrigendum to this article published on 10 December 2019 (<https://doi.org/10.1093/ije/dyz247>) referred to corrections made to the code in [Box 2](#). These corrections were in fact, incorrect, as was the sentence referring to [Box 2](#). The correct text and [Box 2](#) code is as follows (changes shown in bold).

“The true causal coefficient of the exposure A is 0.3, and the coefficients for the association of the collider C with the exposure A and the outcome Y are 1.2 and 0.9, respectively ([Box 2](#)).”

Box 2. To generate data consistent with Figure 2B

```
library(visreg) # load package to visualize regression output
library(ggplot2) # load package to visualize regression output
N <- 1000 # sample size
set.seed(777)
A <- rnorm(N) # exposure
Y <- 0.3 * A + rnorm(N)
C <- 1.2 * A + 0.9 * Y + rnorm(N)
fit3 <- lm(Y ~ A) # crude model
fit4 <- lm(Y ~ A + C) # adjusted model
# visualize adjusted model
g2 <- visreg(fit4, 'A', gg = TRUE, line = list(col = 'red'),
points = list(size = 2, pch = 1, col = 'black')) + theme_classic()+
coord_cartesian(ylim = c(-4, 4)) +
ggtitle("Figure 2B")
```