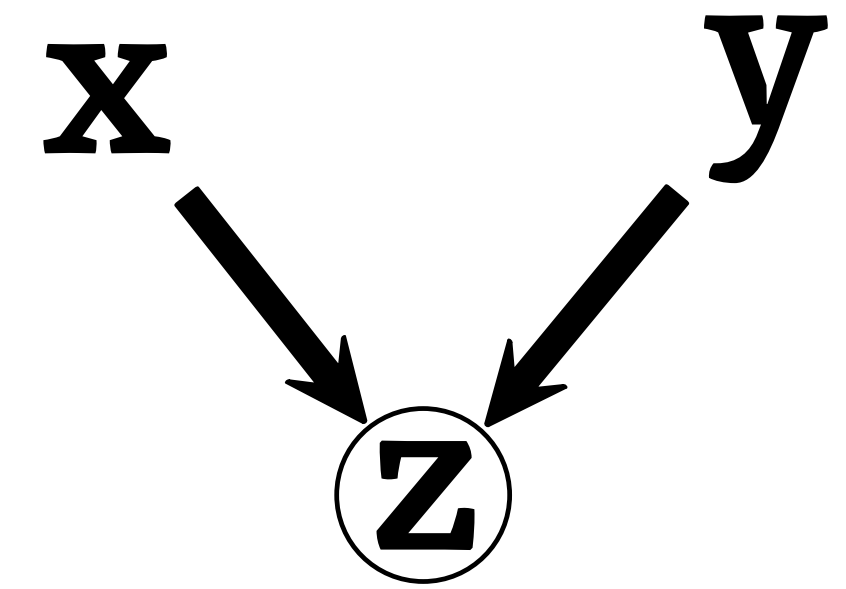# What about the p-value?!?


```
> summary(m1)

Call:
lm(formula = y ~ x)

Residuals:
     Min       1Q   Median       3Q      Max
-2.93275 -0.54273 -0.02523  0.66833  2.58615

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  0.04146    0.07168   0.578    0.564
x           -0.02308    0.07729  -0.299    0.766
```
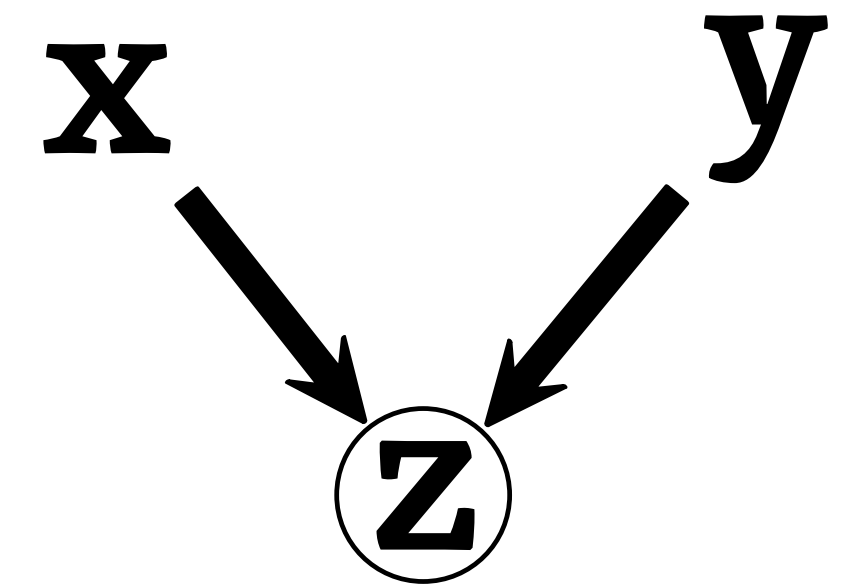
What about the p-value?!?

$$x \searrow z \swarrow y$$

```
> summary(m2)

Call:
lm(formula = y ~ x + z)

Residuals:
     Min        1Q    Median        3Q       Max
-2.84828  -0.48711   0.02999   0.59867   1.89105

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) -0.29123    0.07672  -3.796 0.000196 ***
x           -0.23391    0.07347  -3.184 0.001689 **
z            1.13392    0.14858   7.632 9.72e-13 ***
```

In the biased model, both effects are significant!