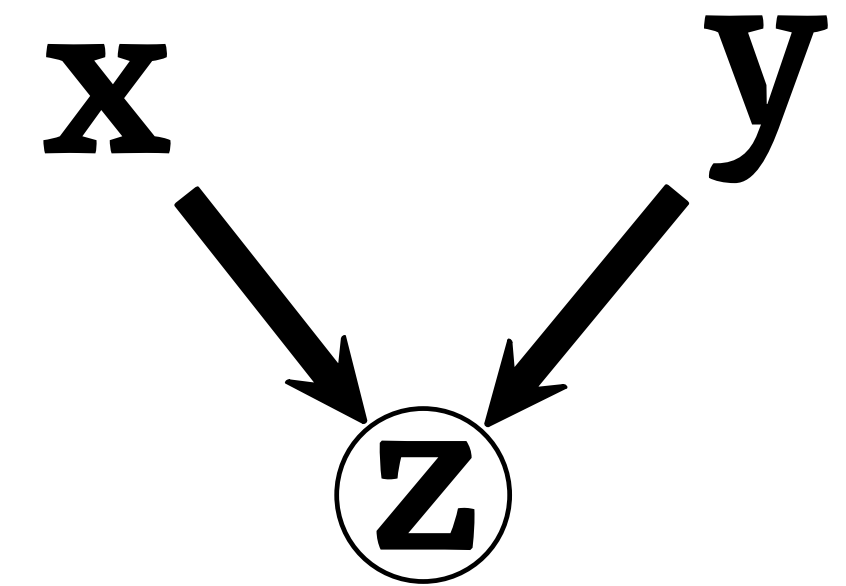


What about the p-value?!?



```
> summary(m2)
```

Call:

```
lm(formula = y ~ x + z)
```

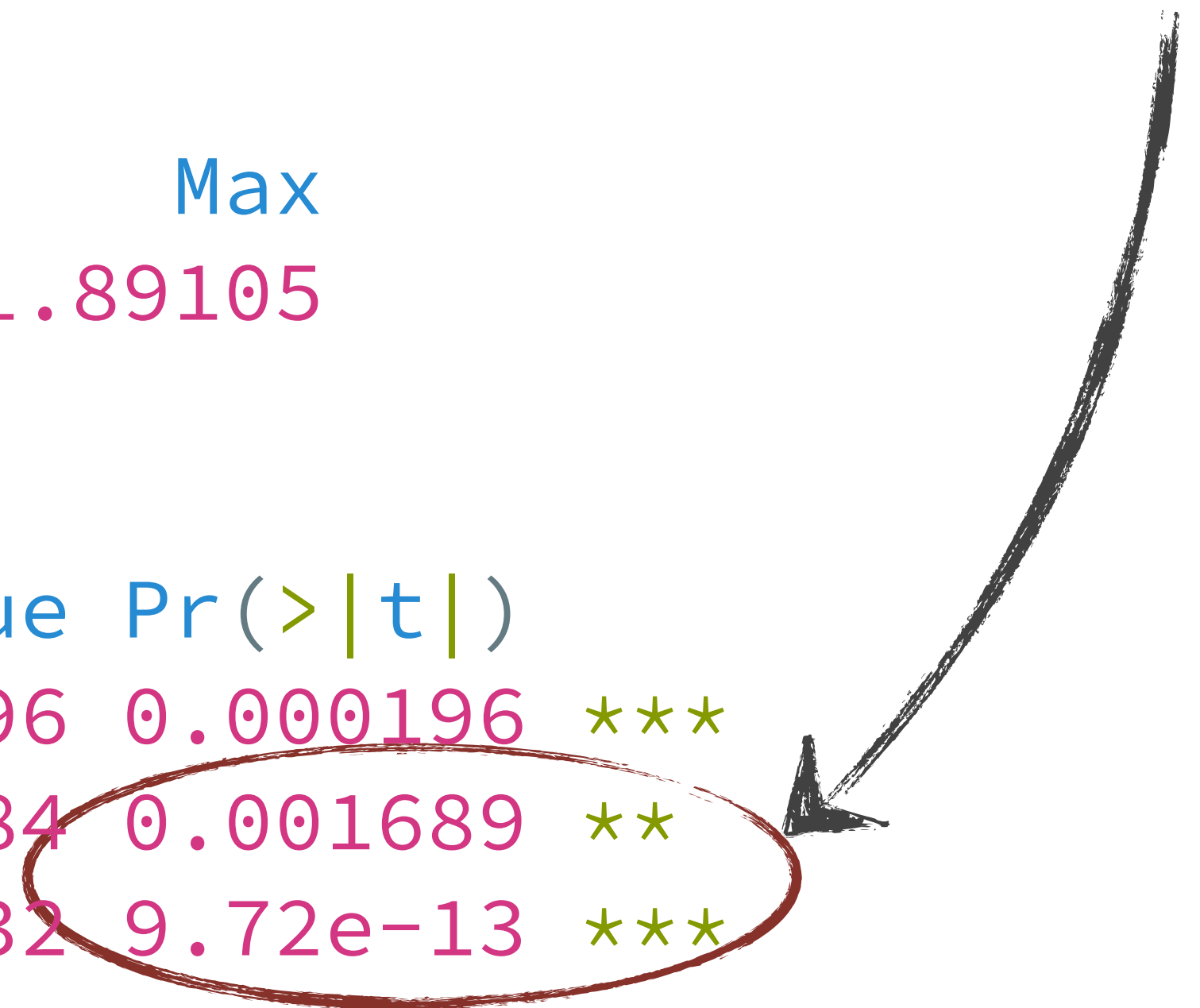
Residuals:

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!



Maybe model comparison will save us?

```
> AIC(m1, m2)
      df      AIC
```

```
m1    3 576.7421
```

```
m2    4 526.9382
```

$m1 : y \sim x$

$m2 : y \sim x + z$

The biased model has a lower AIC!