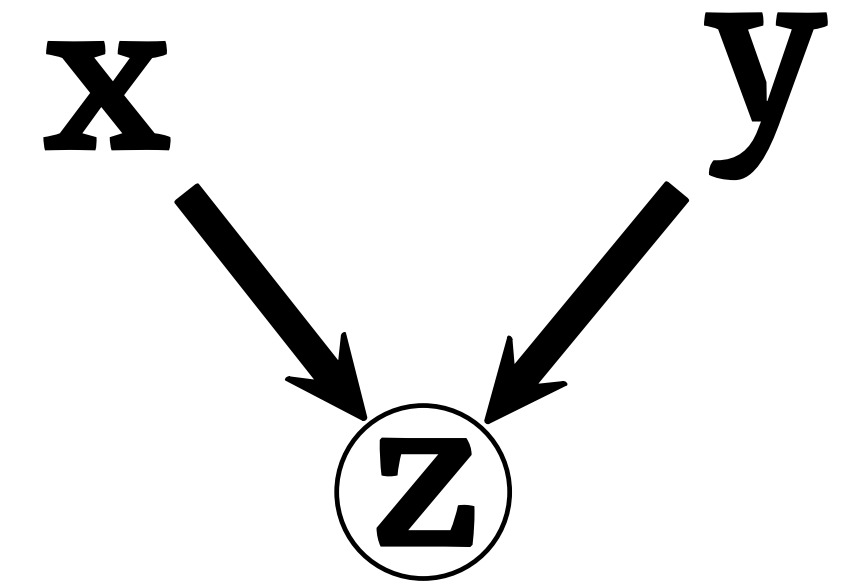


# What about the p-value?!?



```
> summary(m1)
```

Call:

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

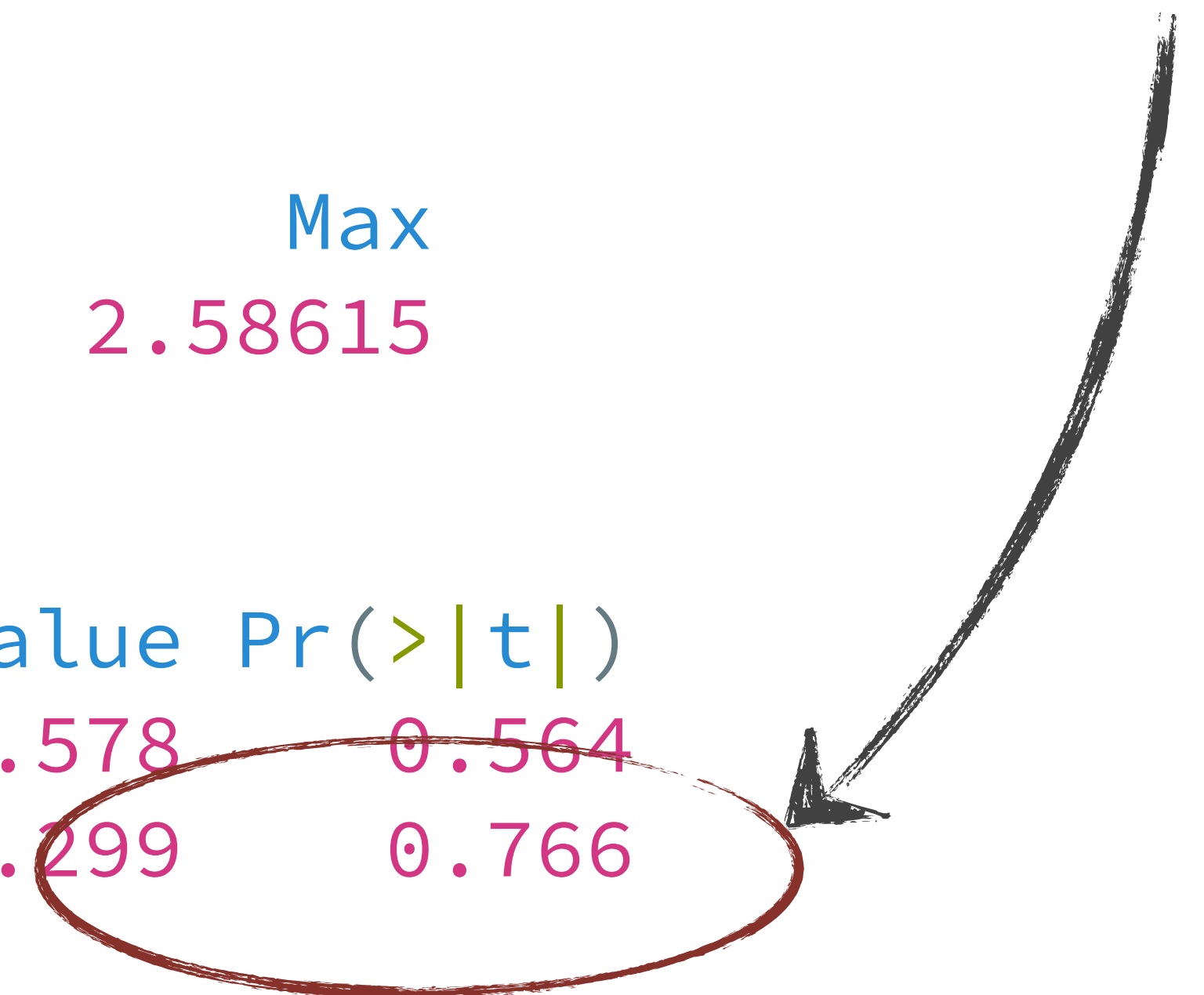
Residuals:

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

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!