

# Maybe model comparison will save us?

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

```
m1    3 576.7421
```

```
m2    4 526.9382
```

$m1 : y \sim x$

$m2 : y \sim x + z$

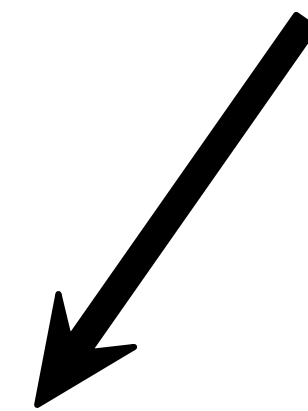
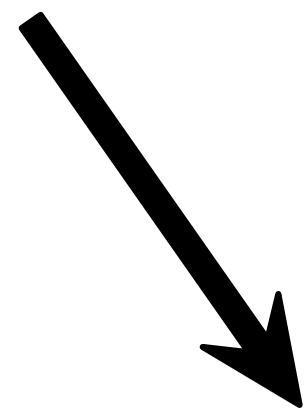
The biased model has a lower AIC!

# Natural colliders happen all the time

The data available to observe can include collider bias

**Good food**

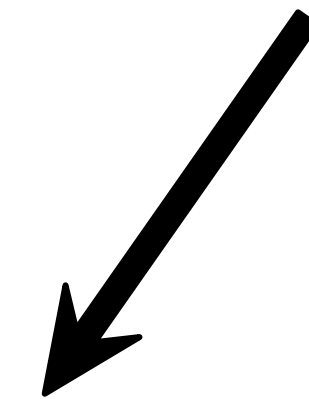
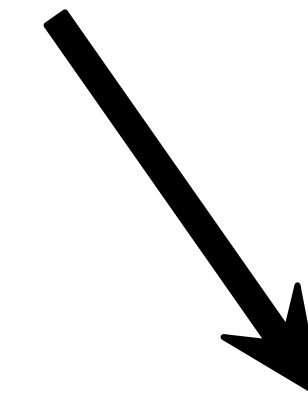
**Good location**



**Restaurant  
exists**

**Research  
quality**

**Research  
newsworthiness**



**Funding**