Obey The Law

First Law of Statistical Interpretation:

The **parameters are not independent** of one another and cannot always be independently interpreted

Instead:

Push out **posterior predictions** and describe/interpret those

```
> precis(m_adults)
        mean   sd  5.5% 94.5%
a      45.00 0.23 44.64 45.36
b       0.63 0.03  0.58  0.68
sigma   4.23 0.16  3.97  4.48
>
```

```
> post <- extract.samples(m_adults)
> head(post)
         a         b      sigma
1 45.14733 0.7045790 4.380254
2 44.97759 0.6461353 4.372925
3 44.94856 0.6537192 4.111149
4 44.85016 0.6597310 4.379347
5 44.75898 0.6532690 4.200026
6 44.91711 0.6090434 4.105432
>
```