chapter 2

bayesian p values

$$pB = p(T_{\text{sim}} \leq T_{\text{obs}} \mid \tilde{Y})$$

Diagnostics

Effective sample size

```
import arviz as az
print(az.ess(chains))
```

```
<xarray.Dataset> Size: 24B
Dimensions: ()
Data variables:
   bad_chains0 float64 8B 2.441
   bad_chains1 float64 8B 194.2
   good_chains float64 8B 3.84e+03
```