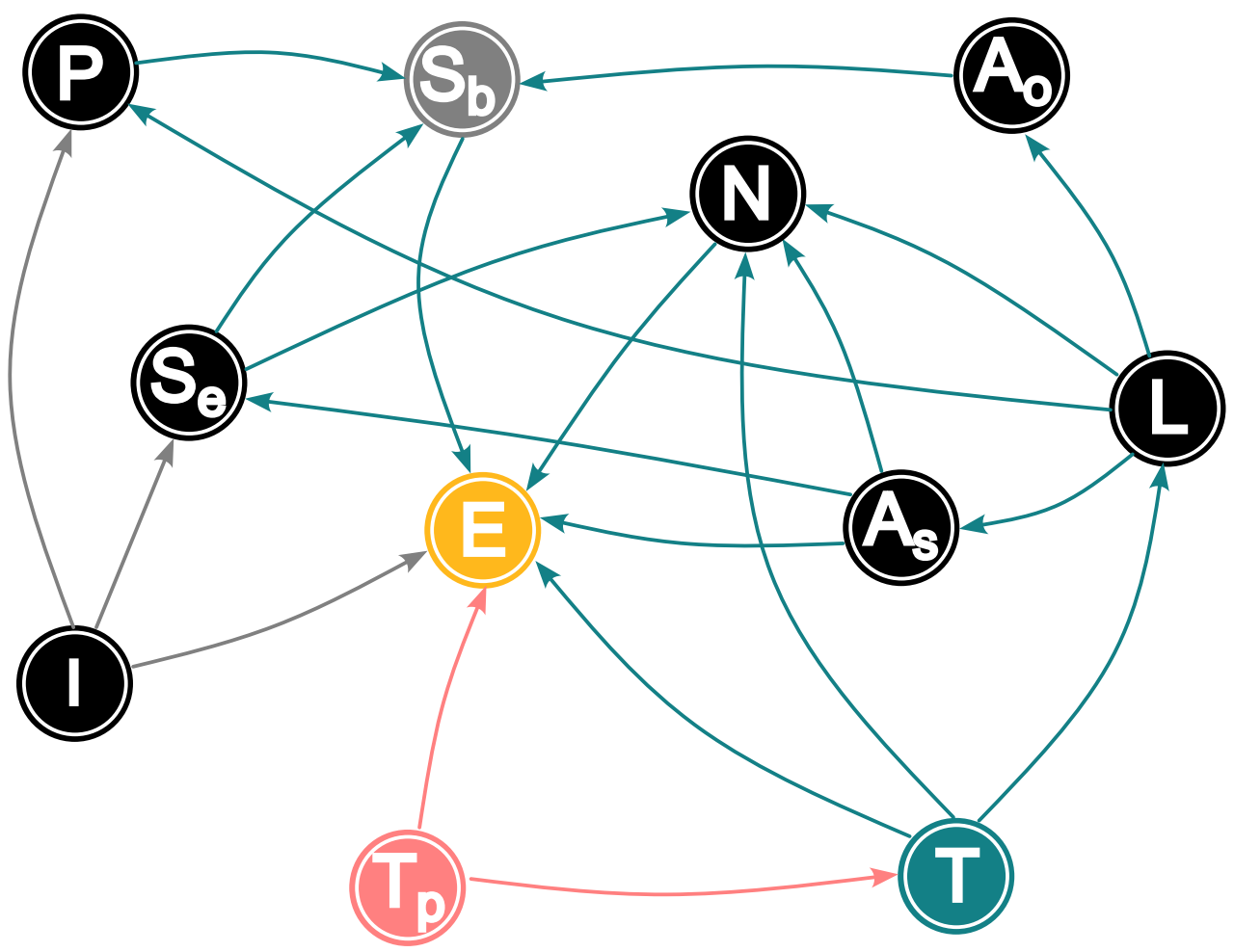


a



Observed

P = Preservation Potential

Se = Sampling Effort

I = Taxonomic Identity

N = Marine Productivity

Ao = Outcrop Area

As = Shelf Area

L = Sea Level

Unobserved

Sb = Sampling Bias

Outcome

E = Extinction Risk

Exposure

T = Global Temperature

Confounder

Tp = Paleotemperature

b

$E \sim \text{Binomial}(1, p)$
 $\text{logit}(p) \sim \alpha + \beta_T T + \beta_{T_p} T_p$
 $\alpha \sim \text{Student-T}(3, 0, 2.5)$
 $(\beta_T, \beta_{T_p}) \sim \text{Normal}(0, 1)$

c

Model₁
 Model...
 Model_i

Estimand

Model averaging