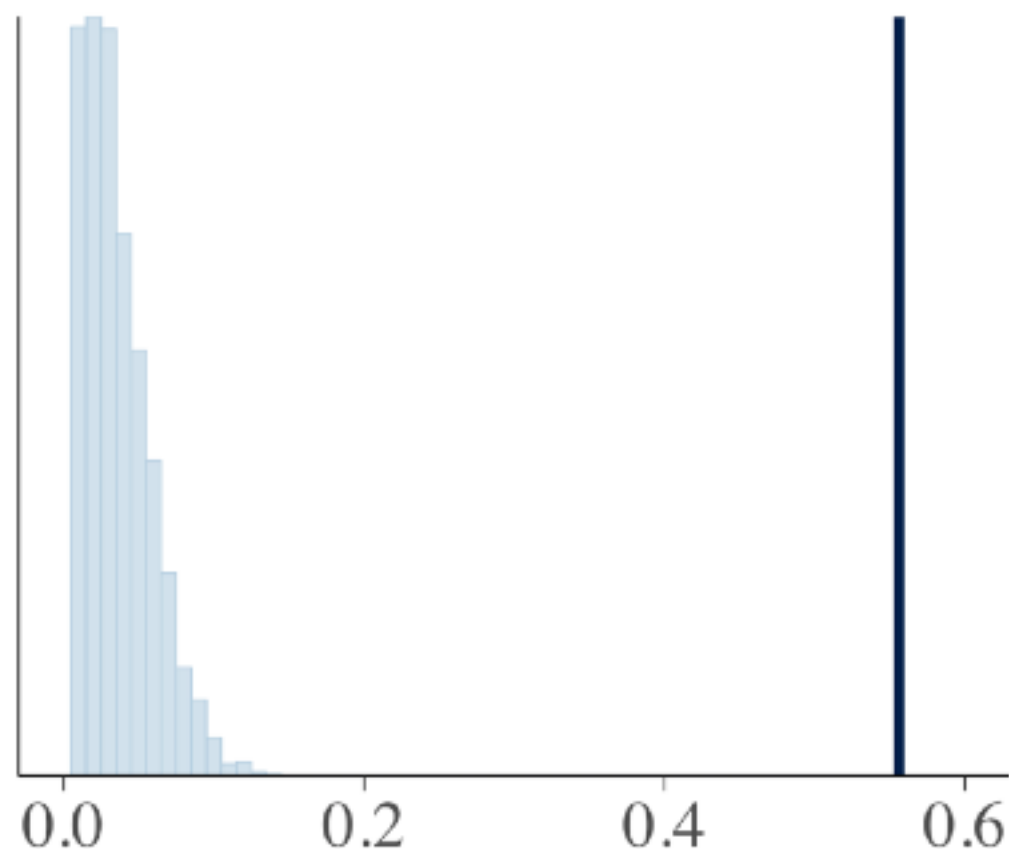# Posterior predictive checking
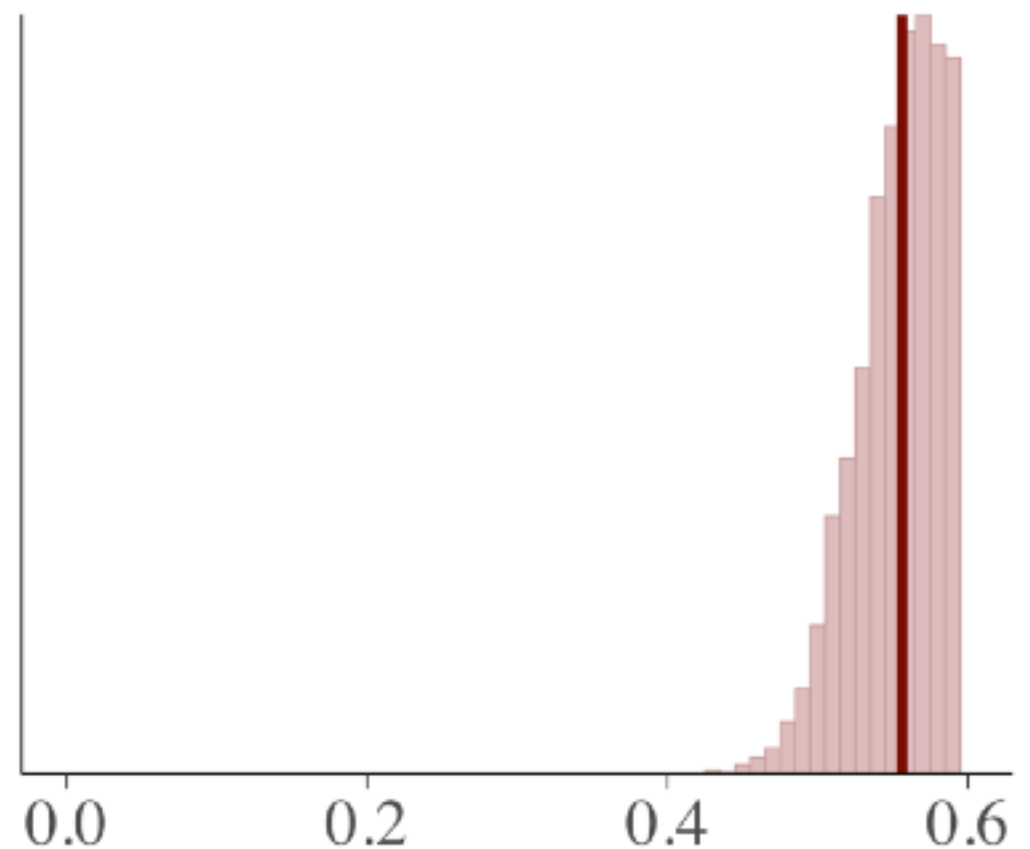visual model evaluation

Observed statistics vs posterior predictive statistics

Model 1 (single level)
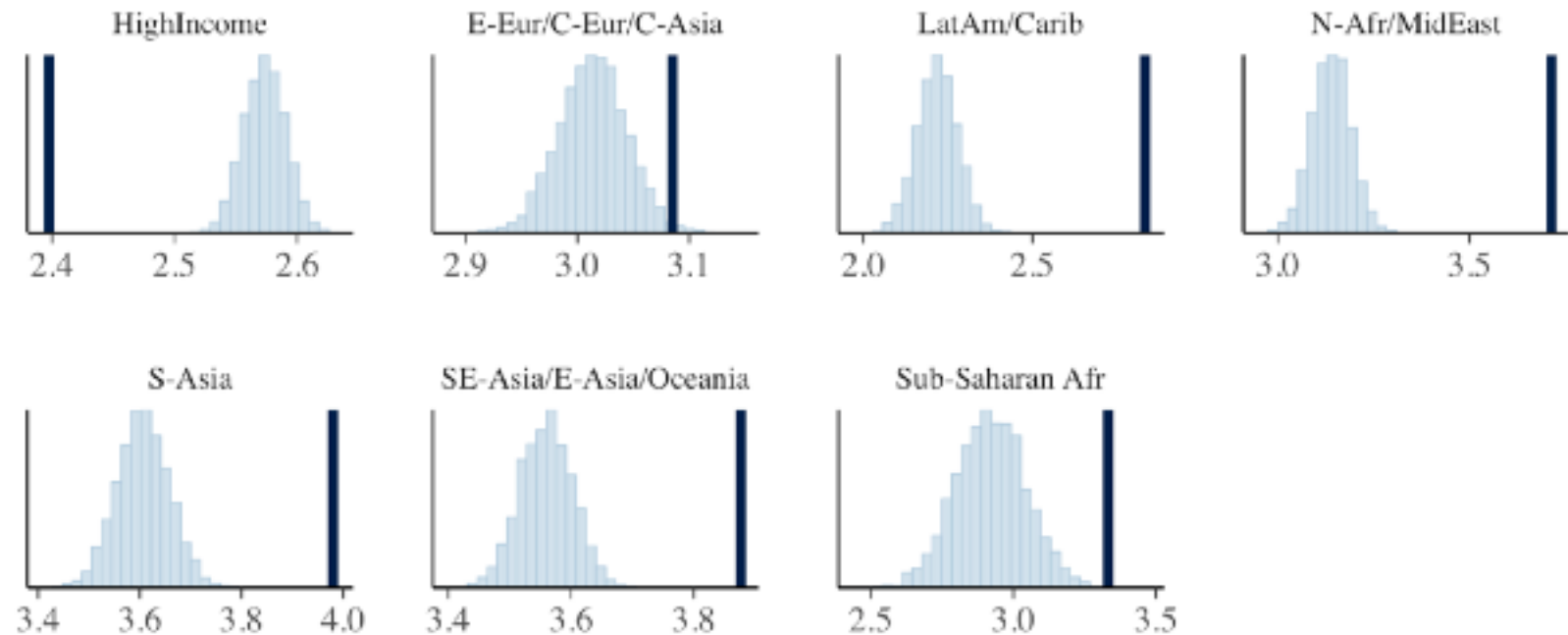
Model 3 (multilevel)

$$T(y) = \text{skew}(y)$$

Posterior predictive checking:
visual model evaluation

Model 1 (single level)

$$T(y) = \mathrm{med}(y|\mathrm{region})$$

Model 2 (multilevel)