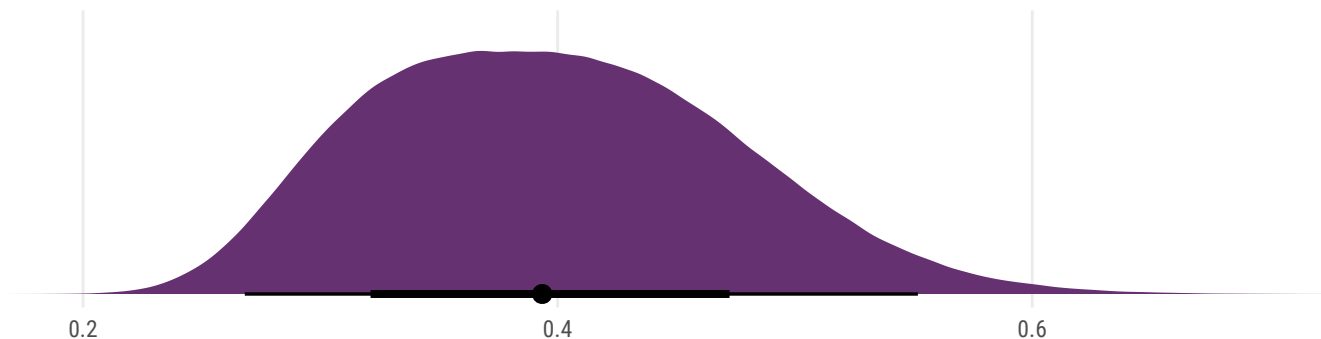


## Posterior predictions Random draws from posterior $\text{Beta}(\mu, \varphi)$

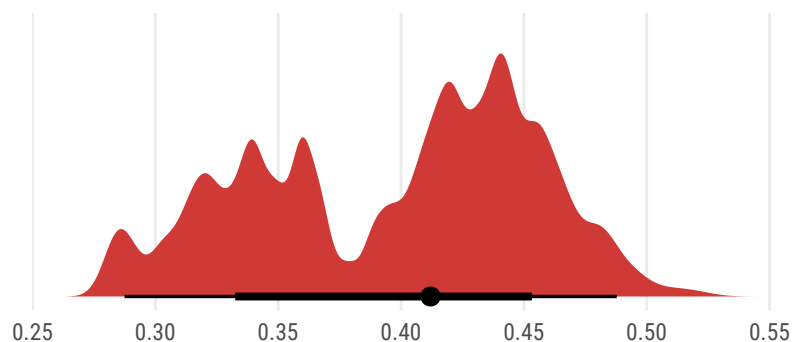
posterior\_predict()



Ratio of bill depth / bill length

## Expectation of the posterior $E[y]$ or $\mu$ in the model

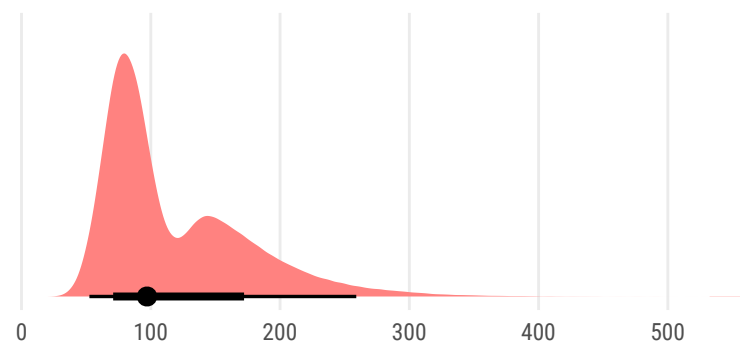
posterior\_epred()



Ratio of bill depth / bill length

## Precision parameter $\varphi$ in the model

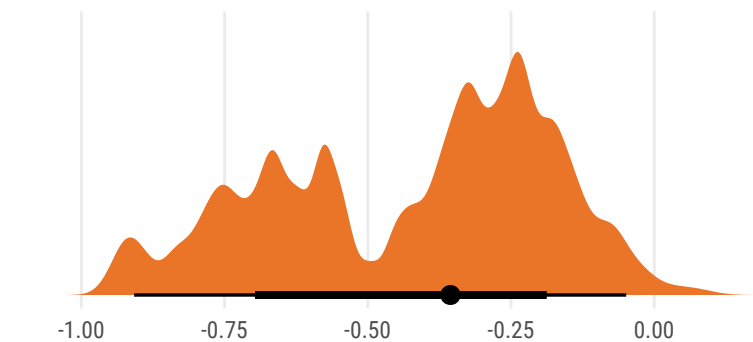
posterior\_epred(dpar = "phi")



Precision parameter

## Linear predictor $\text{logit}(\mu)$ in the model

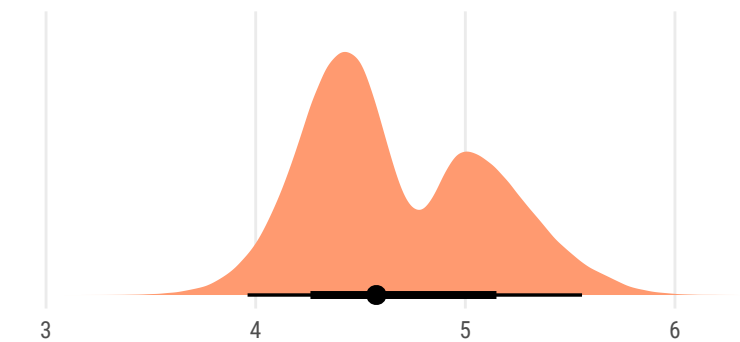
posterior\_linpred()



Logit-transformed ratio of bill depth / bill length

## Precision parameter $\log(\varphi)$ in the model

posterior\_linpred(dpar = "phi")



Log-transformed precision parameter