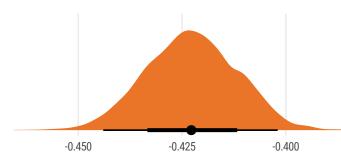
### **Linear predictor** $logit(\mu)$ in the model

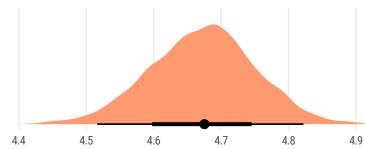
posterior\_linpred( ..., tibble(flipper\_length\_mm = 201))



### Logit-scale ratio of bill depth / bill length

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

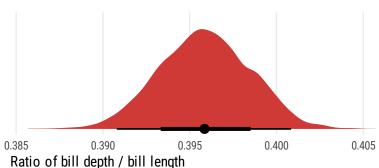
posterior\_linpred( ..., tibble(flipper\_length\_mm = 201),
dpar = "phi")



Log-scale precision parameter

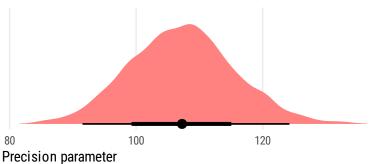
## **Expectation of the posterior** E[y] or $\mu$ in the model

posterior\_epred( ..., tibble(flipper\_length\_mm = 201)) # or posterior\_linpred(..., transform = TRÚÉ)



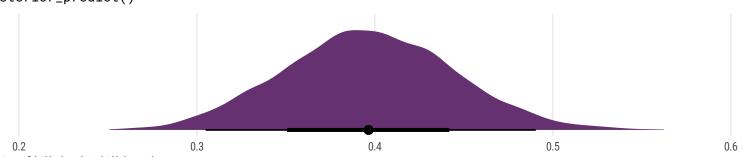
## **Precision parameter** $\varphi$ in the model

posterior\_linpred( ..., tibble(flipper\_length\_mm = 201), dpar = "phi", transform = TRUE)



# **Posterior predictions** Random draws from posterior Beta( $\mu$ , $\varphi$ )

posterior\_predict()



Ratio of bill depth / bill length