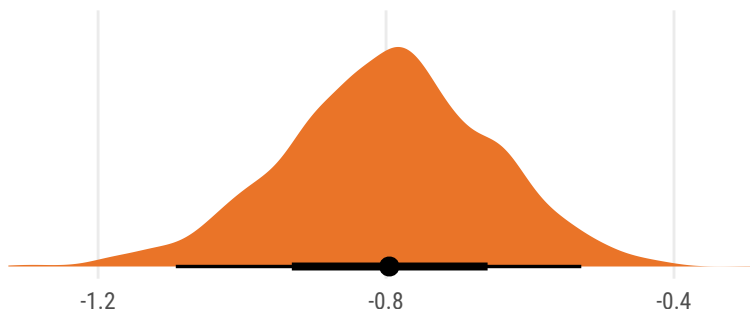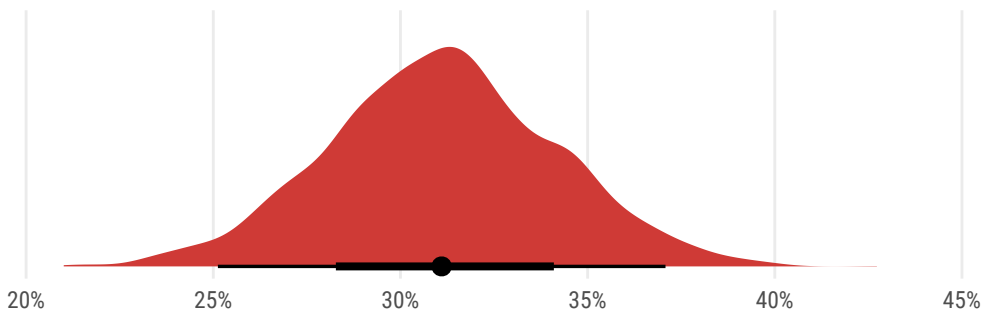# Linear predictor logit(π) in the model

`posterior_linpred(..., tibble(bill_length_mm = 44))`

-1.2   -0.8   -0.4

Logit-transformed probability of being a Gentoo

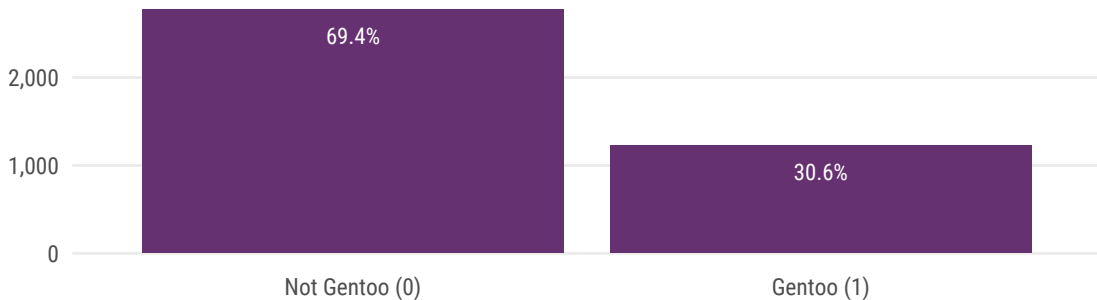# Expectation of the posterior E[y] and π in the model

`posterior_epred(..., tibble(bill_length_mm = 44))`

20%   25%   30%   35%   40%   45%

Probability of being a Gentoo

Posterior predictions Random draws from posterior Binomial(1, π)

`posterior_predict(..., tibble(bill_length_mm = 44))`

69.4%

30.6%

Not Gentoo (0)   Gentoo (1)

Prediction of being a Gentoo