posterior_epred() gives
the draws from the expected
value of the posterior
predictive distribution, or the
average of each draw from
posterior_predict().

In beta regression, this is μ on the proportion or probability scale (or inverse logit).

posterior_epred(dpar = "phi")
gives the posterior draws of
φ on the unlogged scale.

 $y_i \sim \text{Beta}(\mu_i, \phi_i)$

 $\mathrm{E}(y_i)$

 $\log(\phi_i) = \alpha_\phi + \beta_\phi x_i$

 $logit(\mu_i) = \alpha_{\mu} + \beta_{\mu} x_i$

 posterior_linpred() gives the posterior draws of μ on the logit or log odds scale.

posterior_linpred(dpar = "phi") gives the posterior draws of φ on the log scale.

posterior_predict() gives the draws from a random beta distribution with draws from the posterior distribution of π .

These are proportions or probabilities between 0-1.