

Suppliment

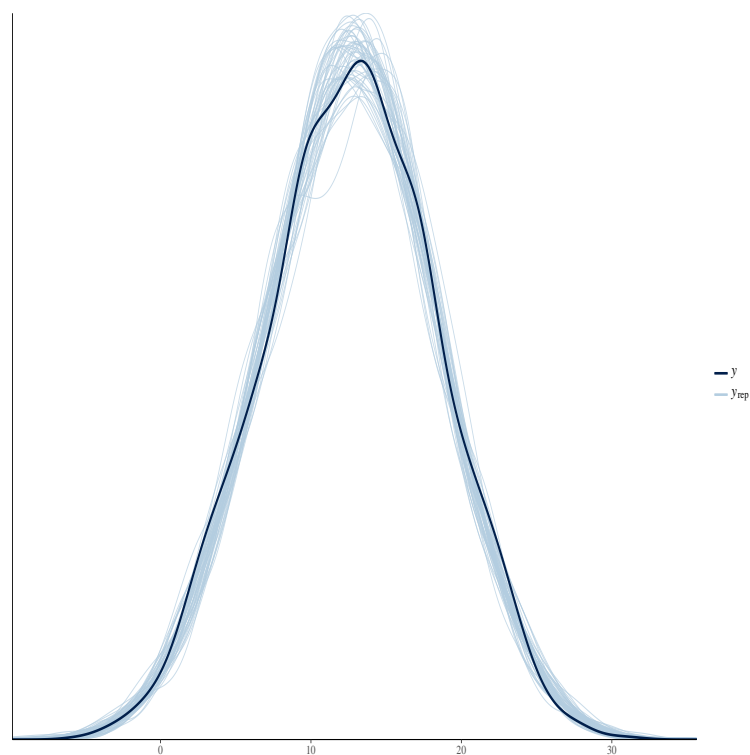


Figure 1: SUPPLIMENT: Posterior predictive checks for model $bvol \sim doy + (doy \mid sp)$ on fake data

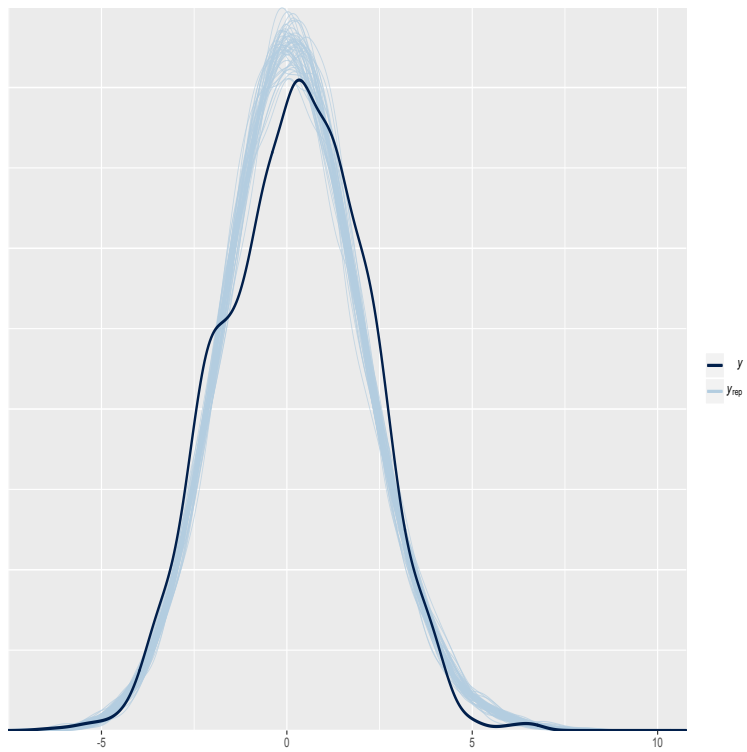


Figure 2: SUPPLIMENT: Posterior predictive checks for model $bvol \sim \text{doy} + (\text{doy} \mid \text{sp})$ on real data

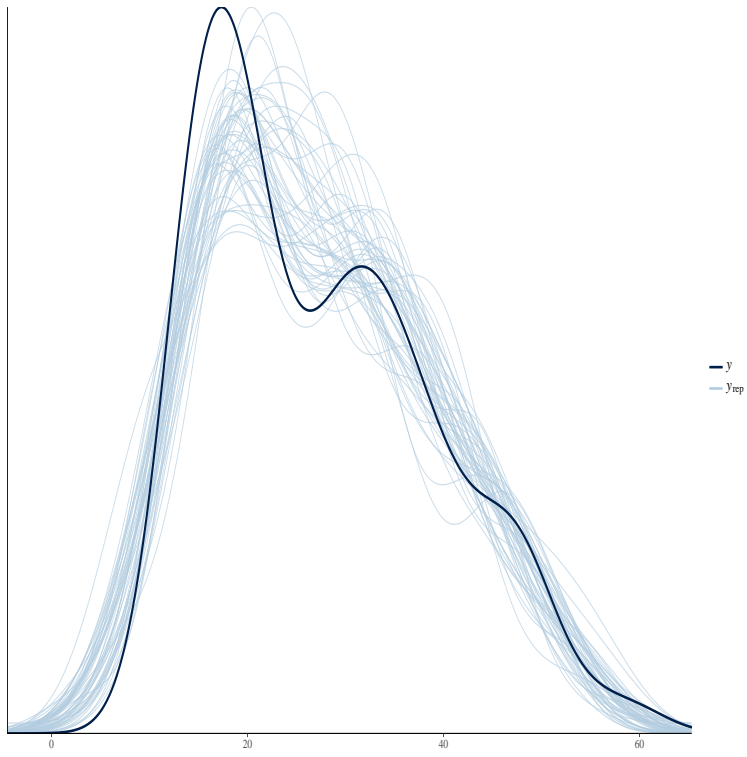


Figure 3: SUPPLIMENT: Posterior predictive check for exploratory model $\text{meanbday} \sim \text{meanstemdiam} + \text{meanbvol} + (\text{meanstemdiam} + \text{meanbvol} \mid \text{SP})$