Introduction

Bias correction needed (see figure 1)

Methods

formula for bias correction

Results and Findings

Fake data actual values: intercept 8,slope=.1 mean over all species: mean spint, mean speff It is good! see? formula: bvol doy + (doy | sp) ——

Estimates: Median $MAD_SD(Intercept)$ 8.31.4doy0.10.0sigma4.10.1

TO DO: CALCULTE 95 CI

0.1 Modeling temporal bias and correction

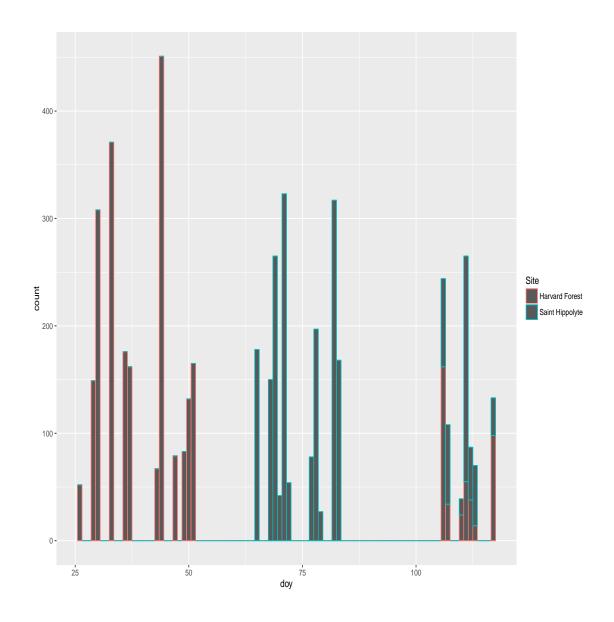


Figure 1: Measurement days of buds colored by site. Twigs from the different site were measured non-randomly, producing a temporal bias

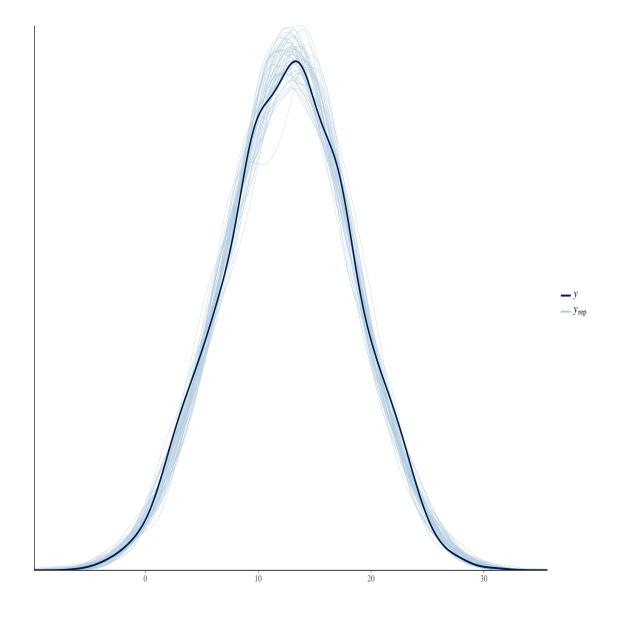


Figure 2: Posterior predictive checks for model bvol $|\log + (\log | \operatorname{sp})|$ on fake data

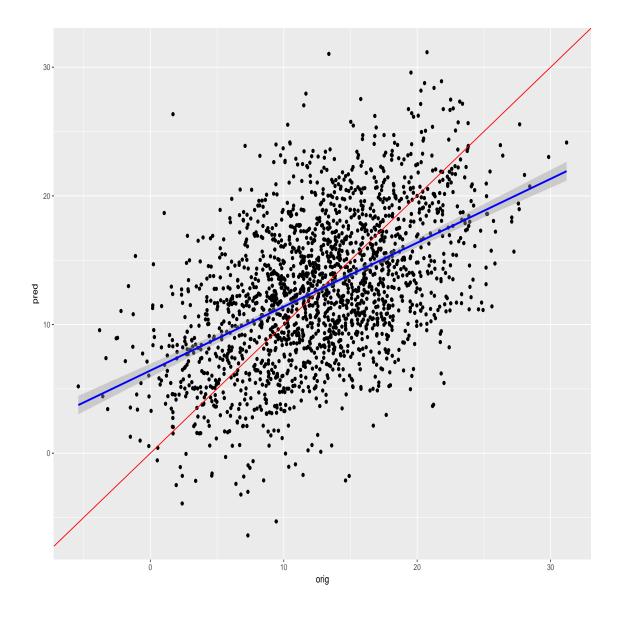


Figure 3: Predicted vs. original values for fake data. The red line represents the 1:1 line which would represent perfect prediction. The blue line is the actual slope, demonstration some deviation

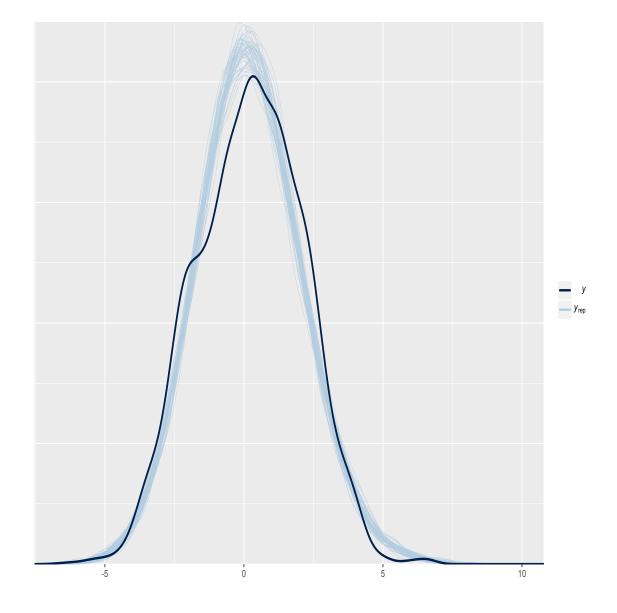


Figure 4: Posterior predictive checks for model bvol $|\log + (\log | \mathrm{sp})|$ on real data