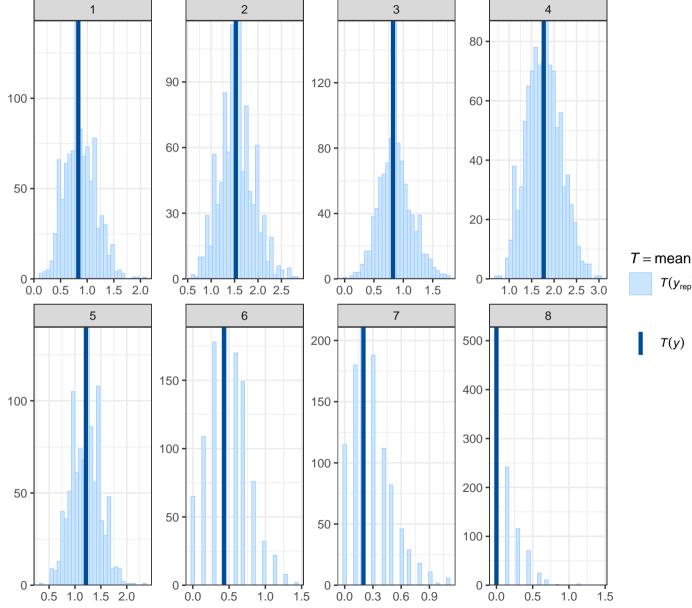
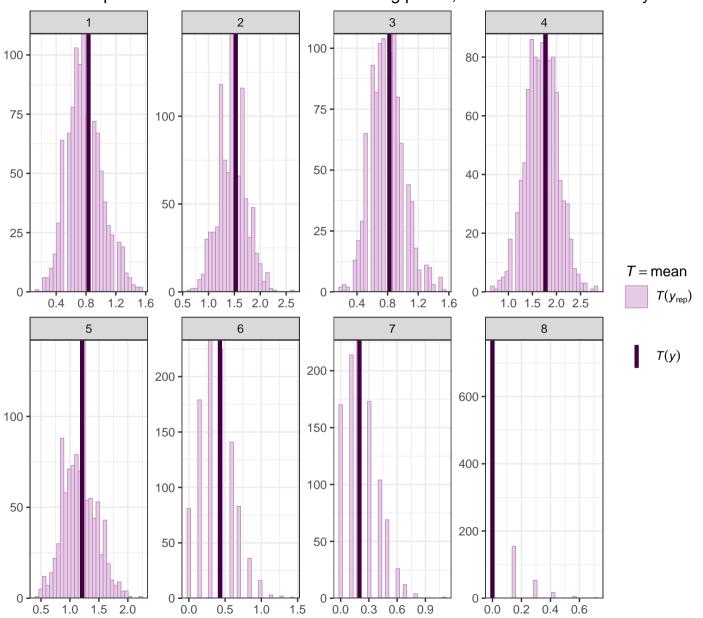
page 1 of 6 Posterior predictive checks for number of fruiting plants; non-hierarchical model



 $T(y_{rep})$

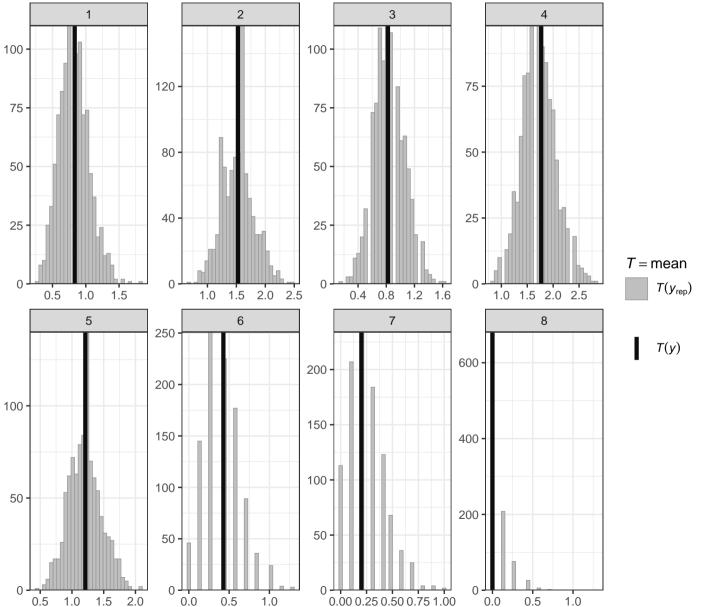
T(y)

page 2 of 6
Posterior predictive checks for number of fruiting plants; hierarchical model with year-lev

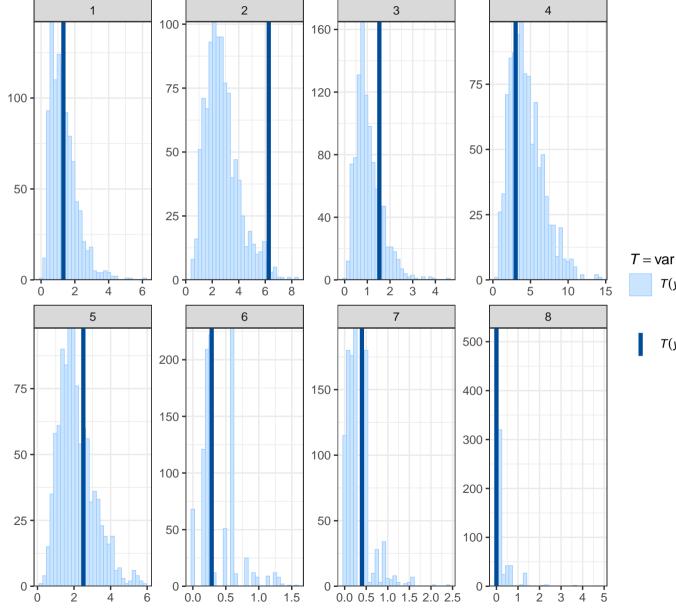


Posterior predictive checks for number of fruiting plants; hierarchical model with year– ar

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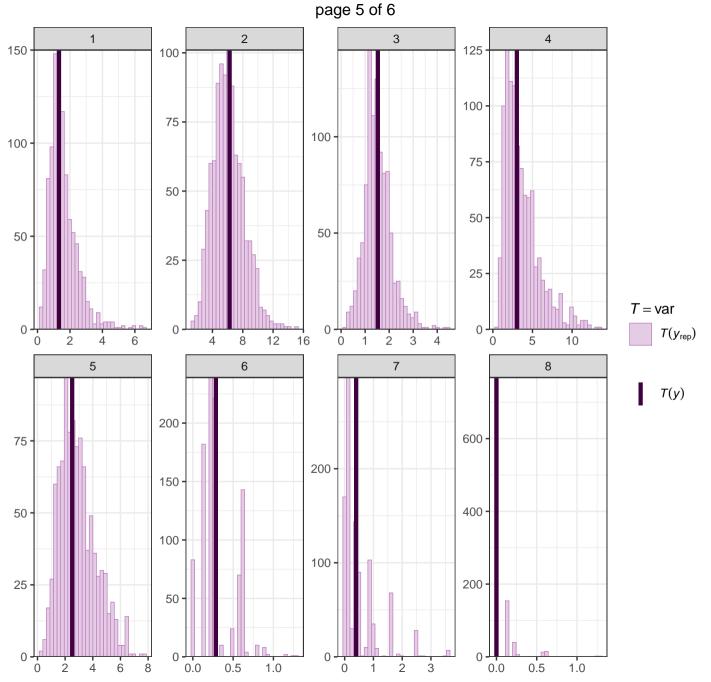


page 4 of 6 Posterior predictive checks for number of fruiting plants; non-hierarchical model



 $T(y_{\text{rep}})$

T(y)



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Posterior predictive checks for number of fruiting plants; hierarchical model with year– ar

100 150 **-**125 100 -75 -100 -100 -75 **-**75 -50 -50 -50 50 25 -25 -25 T = var0 **+** 0 0 $T(y_{\text{rep}})$ 10 2 3 10 15 5 6 7 8 T(y)300 -600 200 75 150 200 400 50 100 -100 200 25 50 -0 0.0 0.5 1.5 3 1.0