## MCMC Diagnostics - Extension to results from 5/1

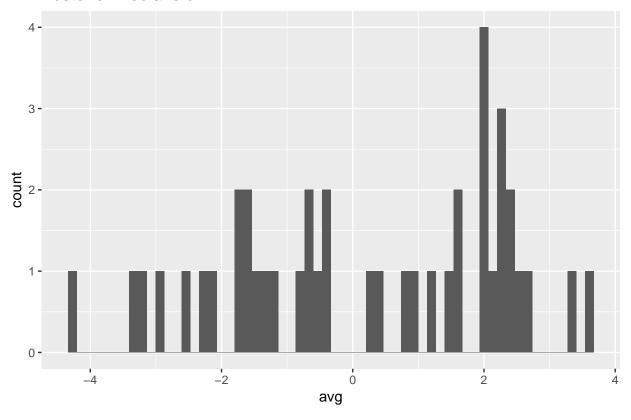
 $Sarah\ Teichman$  05/06/2020

### **Individual Parameter Diagnostics**

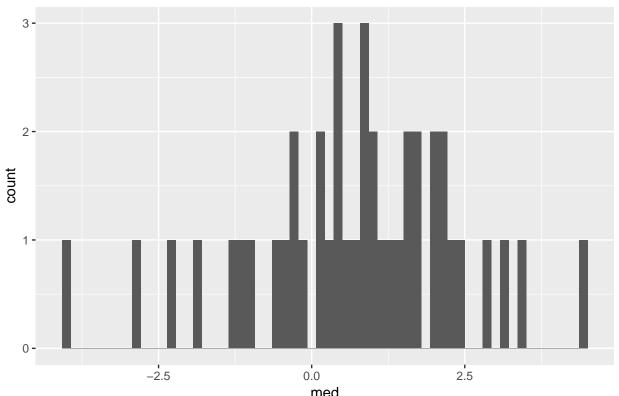
Reduce posterior to only runs where the absolute value of  $\beta$  is greater than 30.

Individual parameter plots. Autocorrelation and trace plots for individual parameters, and histograms of posterior medians for group parameters.

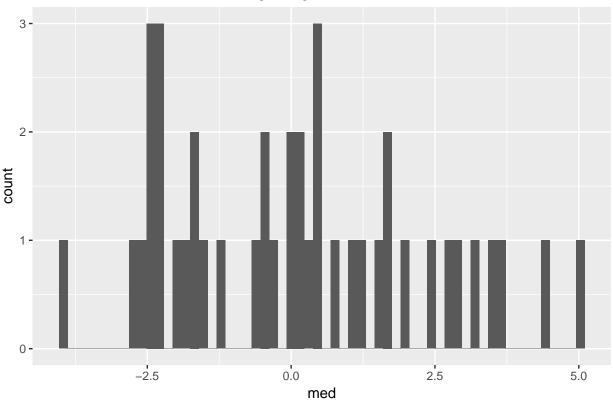
### Posterior Medians of w



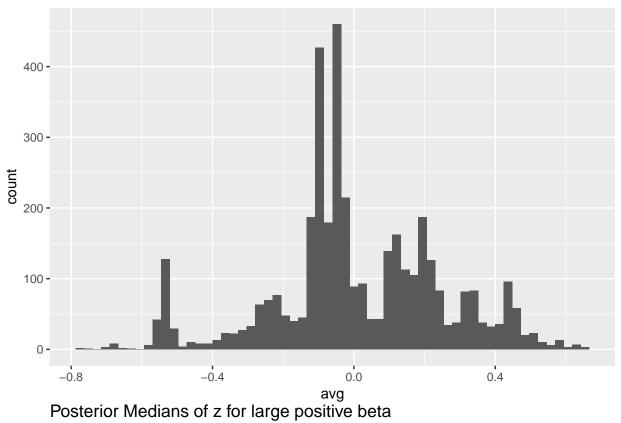
### Posterior Medians of w for large positive beta

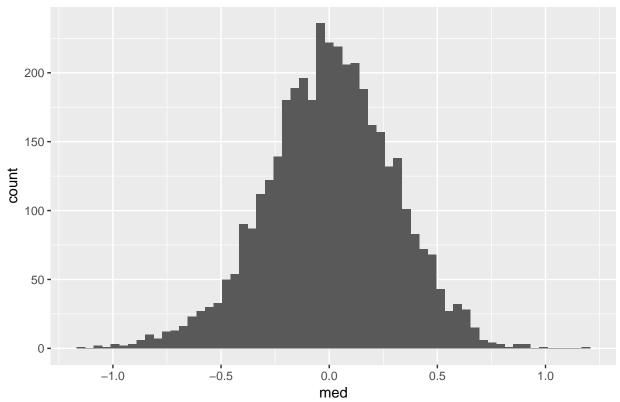


# Posterior Medians of w for large negative beta

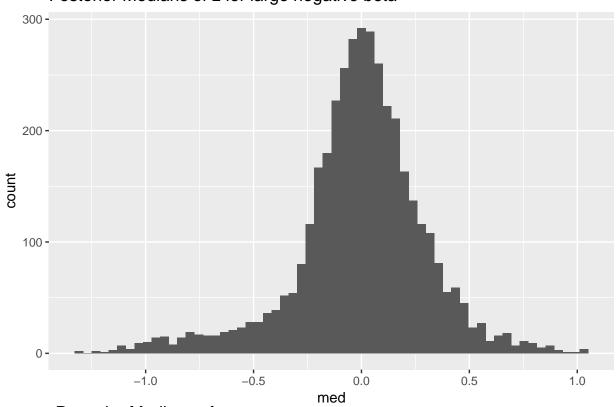


### Posterior Medians of z

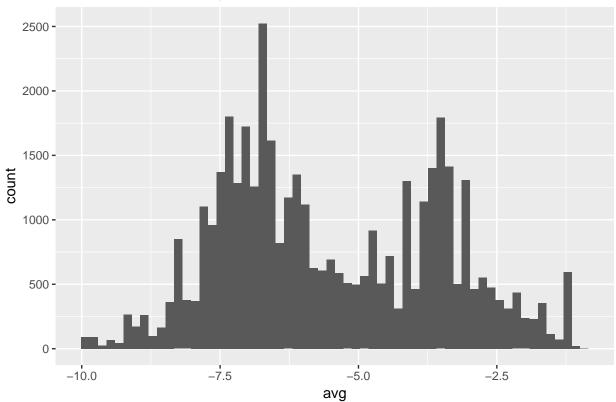




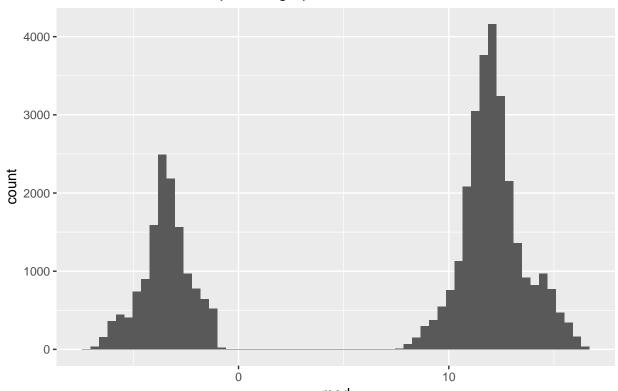
### Posterior Medians of z for large negative beta



## Posterior Medians of p



### Posterior Medians of p for large positive beta



# Posterior Medians of p for large negative beta

