Bayesplot

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#### **Bayesplot Documentation**



bayesplot is an R package providing an extensive library of plotting functions for use after fitting Bayesian models (typically with MCMC). Currently bayesplot offers a variety of plots of posterior draws, visual MCMC diagnostics, as well as graphical posterior predictive checking. Additional functionality (e.g. for forecasting/out-of-sample prediction and other inference-related tasks) will be added in future releases.

The plots created by **bayesplot** are ggplot objects, which means that after a plot is created it can be further customized using the various functions for modifying ggplot objects provided by the **ggplot2** package.

The idea behind **bayesplot** is not only to provide convenient functionality for users, but also a common set of functions that can be easily used by developers working on a variety of packages for Bayesian modeling, particularly (but not necessarily) those powered by **RStan**.

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## Posterior Predictive Checking

# Plotting MCMC Draws

# MCMC Diagnostics

### References