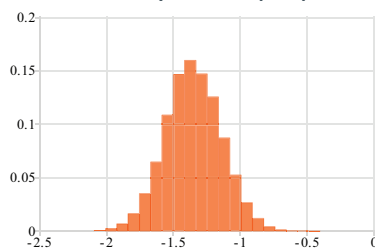
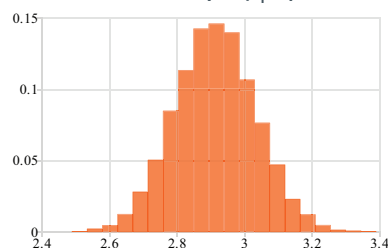


The new Bayesian Analysis Module includes both pre-programmed model estimation and tools for personalized Bayesian modelling.

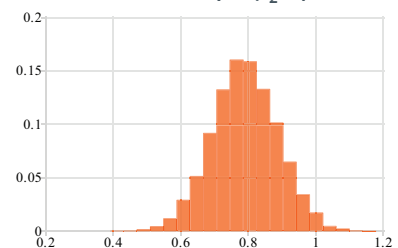
Posterior Density of Intercept Equation 1



Posterior Density of β_1 Equation 1



Posterior Density of β_2 Equation 1



Pre-programmed Bayesian analysis of standard and advanced models including:

- > Univariate and multivariate linear models
- > Univariate linear model with autoregressive error terms
- > HB estimation of interaction models
- > HB estimation of mixture models
- > Probit model estimation
- > Two-factor dynamic factor models
- > Structural Vector Autoregressive (SVAR) model, with options for sign restrictions

Tools for accommodating individual modeling needs:

- > Parameter structures for flexible user control of all models, including:
 - User specified AR ordering
 - Number of sampling repetitions
 - Length of burn-in periods
 - Horizon of dynamic analysis of VAR models
 - Flexible SVAR sign restriction specifications
- > Optional screen and graphics output

GAUSS Bayesian estimation output includes (when applicable):

- > Posterior distributions of all estimated parameters
- > Standard descriptive statistics of all posterior distributions
- > Optional plots of PDFs and posterior distribution

> Requires:

GAUSS 13.1+

Platforms:

Windows, Mac and Linux