

STAT 7630 – Bayesian Statistics

Dataset List and Descriptions

Dataset	Where Used	Data File	Description
autoregresslarge	Bayesian time series	autoregresslarge.txt	Large autoregressive time series dataset used for Bayesian AR modeling and posterior inference.
calirain	Bayesian regression / hierarchical models	calirain.txt	California rainfall data for illustrating Bayesian regression and hierarchical modeling.
cerealdatabayes	Bayesian regression / classification	cerealdatabayes.txt	Cereal nutrition dataset used for Bayesian modeling and comparison of prior assumptions.
energybardata	Bayesian linear models	energybardata.txt	Energy bar nutritional measurements used in Bayesian linear regression examples.
orangedata	Bayesian growth & hierarchical models	orangedata.txt	Orange tree growth measurements used for Bayesian nonlinear and hierarchical models.
sparrowdata	Bayesian logistic regression	sparrowdata.txt	Survival outcomes for sparrows used to illustrate Bayesian logistic regression.