



## Bayesian Predictive Inference for Some Linear Models under Student-t Errors

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VDM Verlag Jun 2008, 2008. Taschenbuch. Condition: Neu. This item is printed on demand - Print on Demand Neuware - In real life often we need to make inferences about thebehaviour of the unobserved responses for a model based on the observed responses from the model. Regression models with normalerrors are commonly considered in prediction problems. However, when the underlying distributions have heavier tails, the normalerrors assumption fails to allow sufficient probability in the tailareas to make allowance for any extreme value or outliers. As well, it cannot deal with the uncorrelated but not independent observations which are common in time series and econometric studies. In such situations, the Student-t errors assumption is appropriate. Traditionally, a number of statistical methods such as the classical, structural distribution and structural relationsapproaches can lead to prediction distributions, the Bayesianapproach is more sound in statistical theory. This book, therefore, deals with the derivation problems of prediction distributions forsome widely used linear models having Student-t errors under the Bayesian approach. Results reveal that our models are robust and the Bayesian approach is competitive with traditional methods. Inperturbation analysis, process control, optimization, classification, discordancy testing, interim analysis, speechrecognition, online environmental learning and sampling curtailmentstudies predictive inferences are successfully used. 88 pp. Englisch.



## Reviews

An extremely wonderful book with lucid and perfect information. It is one of the most awesome publication i have read. Your life period will probably be enhance the instant you total looking at this pdf.

-- Prof. Dan Windler MD

It is really an amazing publication i actually have at any time read. It is really simplistic but unexpected situations inside the 50 percent of your pdf. Its been written in an exceptionally simple way in fact it is just right after i finished reading this ebook where actually transformed me, alter the way i really believe.

-- Dr. Celestino Spinka III