Assignmente Projecto Fexiam Help Bayesian Methods

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WeChat: estutores
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Introduction

Assignment Project Exam Help

- Bayesian estimation
- Bayesian inference
- h Bayesian diagnostics COM
- We begin with a demonstration.
- We move on to a practical based on the World Bank data from lest time at: CStutorcs

Practical (1)

- We have data from the World Bank's 1997 Vietnam Living
 Standards Survey for 5,006 households with positive
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 - The variables are age and gender of household head, whather the household is a farm, whether it is urban, the household size, log total household expenditure and log household expenditure on medicine.
 - We are interested in estimating Engel curves for medical expenditure nat: CSTUTOTCS
 - ➤ The outcome of interest is log household expenditure on medicine, the covariate of interest is log total household expenditure and the remaining variables are controls.

Practical (2)

1. Load, describe and summarise the data.

Assikeen the first 500 opervations only Exam Help

- 4. Perform a Bayesian regression to estimate the Engel curves. Specify a prior mean of 1 for the expenditure dasticip and zero tarablifier elements of β, and choose the other aspects of the prior reasonably.
- 5. Perform and interpret diagnostics to determine how well your New MC angorithm worked. If not principase the size of the MCMC and/or the burn-in.
- 6. Repeat the analysis using a less informative prior. Explain any change(s) in your results.