Assignmente Projecto Fexiam Help Bayesian Methods

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Introduction

Assignment Project Exam Help

- Bayesian estimation
- Bayesian inference

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- We begin with a demonstration.
- We move on to a practical based on the World Bank data frendst im Chat powcoder

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, by total household expenditure and log household expenditure on medicine.
 - We are interested in estimating Engel curves for medical expenditure WeChat powcoder
 - ➤ 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.

Assi Keep 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 and zero to a wife Centers of Cahilchoose the other aspects of the prior reasonably.
- 5. Perform and interpret diagnostics to determine how well your MCMC and/or the burn-in.
- 6. Repeat the analysis using a less informative prior. Explain any change(s) in your results.