

# Applied Bayesian Inference: Assignment 2

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- First, read carefully the slide `WS17_Bayes07_Further_Regression2.pdf`
  - Use the data `Bayes_Student_Survey.RData` in ILIAS.
  - Submit your R-code in ILIAS! Do not forget to comment which part corresponds to which task!
  - Deadline: 9. January 2019
1. Estimate the parameters of a binary logit model. You can choose a dependent variable and one independent variable from the dataset for yourself.
  2. Calculate DIC of the logit model above by computing the log-likelihood value by using JAGS. You can orient yourself the code on the slide 7.18, but you have to care about which distribution the logit model assumes.
  3. Calculate DIC of the logit model above by using `dic.samples()`.
  4. Do all three tasks above for the binary probit model with the same dependent and independent variable.