
BAYES—Advanced Bayesian Inference

How to grade?

Mathieu Ribatet

École Centrale de Nantes

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- Grade by **implementing from scratch (R or Python) 2 models** taken from the WinBUGS volumes

https://www.mrc-bsu.cam.ac.uk/wp-content/uploads/WinBUGS_Vol1.pdf

https://www.mrc-bsu.cam.ac.uk/wp-content/uploads/WinBUGS_Vol2.pdf

https://www.mrc-bsu.cam.ac.uk/wp-content/uploads/WinBUGS_Vol3.pdf

- Teams of **4 students** (and **different** for the 2nd model)
- Your code will be hosted on **Github** so that I can **big brother each of you**

<https://github.com>

- For each application, write a **short report (3/4 pages)** that
 - introduces the data and explains the logic behind the model
 - gives mathematical details for your MCMC sampler
 - discusses the inference and results
- **Confirm if choice is OK**, i.e., not too simple or already done!