

Theory of Inference: Level M, 1st assignment

Write a short essay on the *Jeffreys Prior* for a parameter $\theta \in \Omega$, where Ω is a convex subset of \mathbb{R} . Your essay should be not more than three sides long; if typed (recommended) it should be in a 12pt font with at least one-inch margins. The guideline marking scheme is: motivation and definition (3), proof of the key property (4), simple examples and discussion (3); plus up to 2 bonus marks for clarity and compellingness (up to a total of 10).

The deadline is **5pm on Mon 23 March**: hand your assignment in to the Maths Dept Office, making sure it is clearly named. You should be aware of the University regulations on assessed work:

<http://www.bristol.ac.uk/secretary/studentrulesregs/examregs.html>

and the Faculty regulations on late submissions:

<https://www.bris.ac.uk/science/undergraduates/penalties.html>

Jonathan Rougier

March 2015