

**SIS 2022**  
**51st Scientific Meeting of the Italian Statistical Society**  
**Caserta, 22-24 June**

## Evaluation form

**TITLE OF THE PAPER:**

Construction of a proper prior for a Bayesian Envelope Model

**ID:**

**3250-8808-2-SM**

English language to be revised

|     |    |
|-----|----|
| Yes | No |
|     | X  |

**COMMENTS TO AUTHORS:**

*The paper needs the following minor revision:*

*Abstract: aims -> aim*

*P. 2, l.6: unknown vector -> unknown matrix*

*After eq. (2): equal the -> equal to the*

Section 1: the contribution w.r.t. [3] is not clearly explained, in connection to the mention of a proper prior in the title. Is this the case for  $\mu$ ? Does [3] use an improper prior? Please provide comments in the text.

P. 4, l. 1 after list: drawn a -> drawn from a

P. 4, l. -6: why were the chain initialized at the same point? Is there a specific reason?

Discussion: The pros and cons of having proper/improper priors in this framework are not clearly discussed, and as things are currently presented it seems a simple arbitrary choice. Please improve the discussion.

**Not later than April, 22<sup>th</sup>**

Check that the paper satisfies the editorial standard of the conference.

Upload the final version of the short paper (in .pdf, Latex or Word) under “*Submission Manuscript*”, even if no revision is required.

Upload under “*Supplementary file(s)*” the document “consent to publish” received at the time of the notification