BMF Collaborative Project 19: Internet skills, exploration mindset, and global issue awareness among the young generation

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1. Project description

1.1. Background

Human society is facing many issues affecting the livelihood of billions of people around the globe, such as climate change, environmental pollution, disease, poverty, etc. Solving these problems needs the involvement of the young generation, especially those in developing countries, which are more severely affected than developed countries. Raising children and youth's awareness of global issues is one of the initial steps for their participation.

1.2. Main objectives

The current study has two objectives:

1. Examine whether Vietnamese children's and youth's Internet information-seeking, -selecting and -exchanging capabilities are positively associated with a discovery mindset;
2. Examine whether Vietnamese children's and youth's discovery mindsets are positively associated with the awareness of global issues

1.3. Materials

The mindsponge theory will be used for conceptual development. Bayesian Mindsponge Framework (BMF) analytics will be used for statistical analysis on a dataset of 2069 Vietnamese primary, secondary, and high school students [1-3]. The bayesvl R package, aided by the Markov chain Monte Carlo (MCMC) algorithm, will be employed for statistical analyses [4-7]. All the materials and codes for this study will be made available only to reduce the cost of doing science and transparency [8,9]. For more information on BMF analytics, portal users can refer to the following book [10].

1.4. Main findings

The findings show that children and youth with higher Internet information-seeking and -exchanging capabilities are likelier to obtain discovery mindsets (see Figure 1). Meanwhile, the discovery mindset is associated with a higher level of awareness of global issues (see Figure 2).

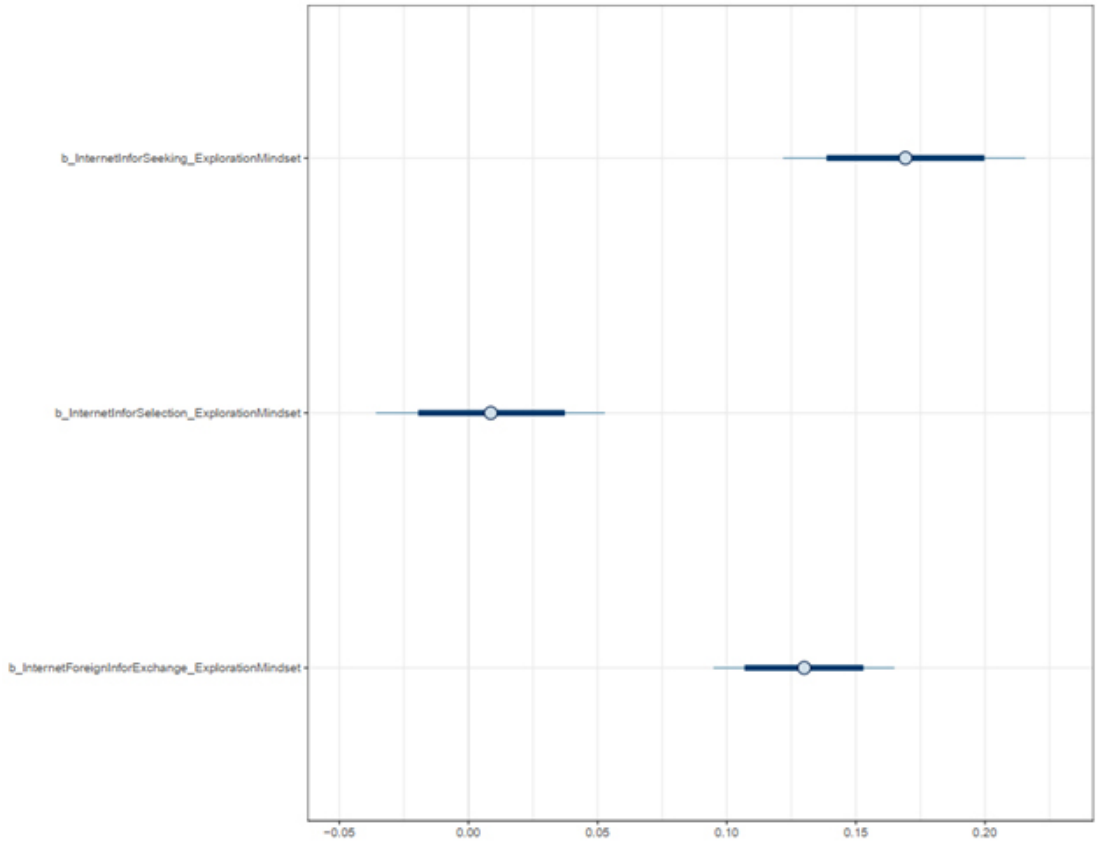

Figure 1. Posterior distributions of the first analytical model's coefficients

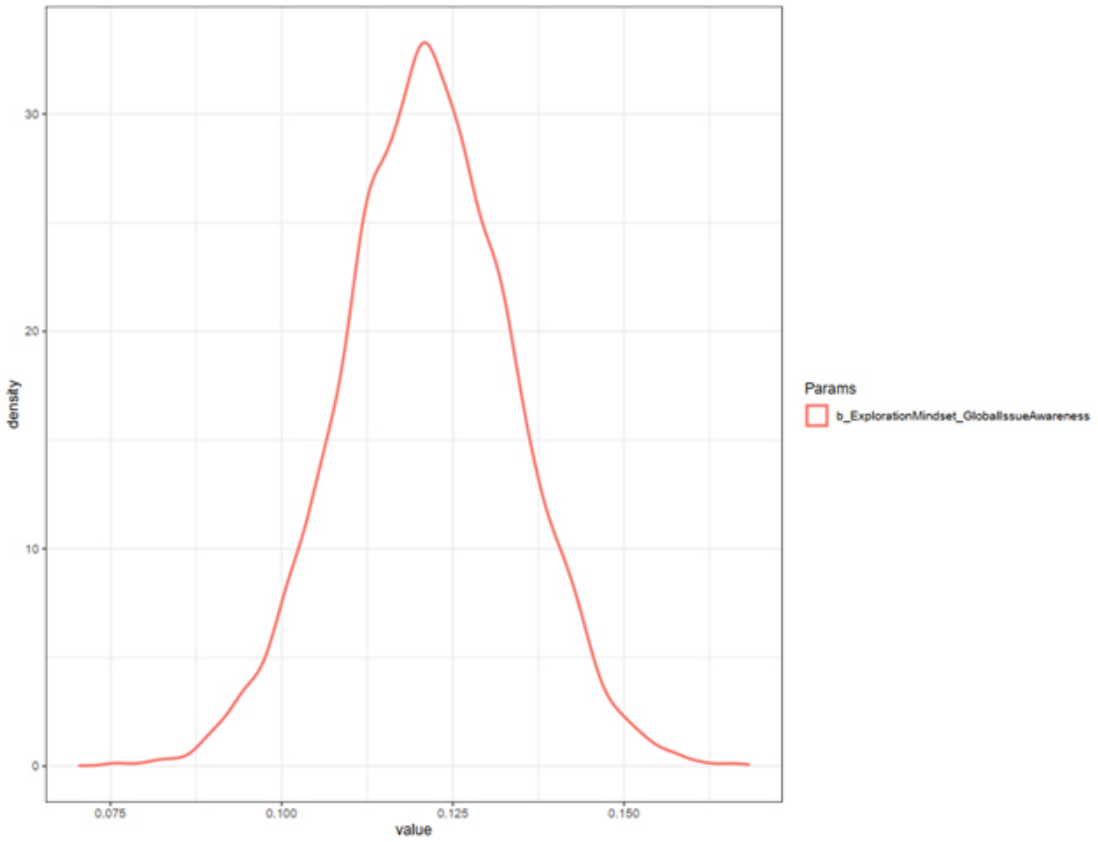

Figure 2. Posterior distribution of the second analytical model's coefficient

2. Collaboration procedure

Portal users should follow these steps to register to participate in this research project:

- Create an account on the website (preferably using an institution's email).
- Comment your name, affiliation, and your desired role (e.g., literature review, method and material description, result presentation, discussion, etc.) in the project below this post.
- Patiently wait for the formal agreement on the project from the AISDL mentor.

If you have further inquiries, please contact us at aisdl_team@mindsponge.info.

If you have been invited to join the project by an AISDL member, you are still encouraged to follow the above formal steps.

All the resources for conducting and writing the research manuscript will be distributed upon project participation.

AISDL mentor for this project: ***Minh-Hoang Nguyen***.

AISDL members who have joined this project: Tam-Tri Le and Quan-Hoang Vuong.

The research project strictly adheres to scientific integrity standards, including authorship rights and obligations. We look forward to working with participants on this research project.

References

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