

BMF Collaborative Project 21: How reputation concern and Confucian values influence cheating behavior

AISDL Team

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1. Project description

1.1. Main objectives

This study will examine how the concern about one's reputation upon getting caught cheating may influence cheating behavior (here: over-reporting one's number of correct answers). Additionally, associating with Confucianism may be a potential moderator.

1.2. Materials

The research project will employ a dataset of 493 university students across five countries/regions – Germany, Vietnam, China, Taiwan, and Japan [1].

The research project will follow the Bayesian Mindsponge Framework (BMF) [2,3]. The *bayesvl* R package will be employed for statistical analyses [4].

1.3. Main findings

The analytical result shows that if a student worries more about reputation damage upon getting caught cheating in front of the whole class, it is more likely that he/she will not cheat. If one associates himself/herself with Confucianism, this cheating-inhibiting effect is

strengthened.

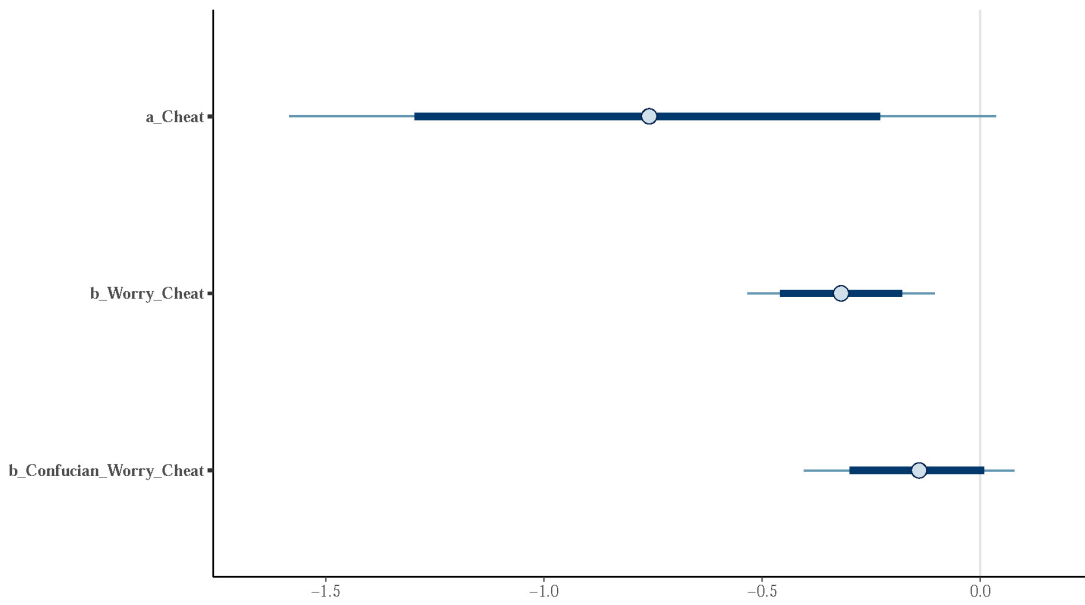


Figure 1. Interval distributions of the analytical model's posterior coefficients

In Figure 2, the x-axis represents the probabilities of cheating behavior; the y-axis represents reputation concern upon getting caught cheating from not at all (1) to extremely (5); and the line color represents association with Confucianism.

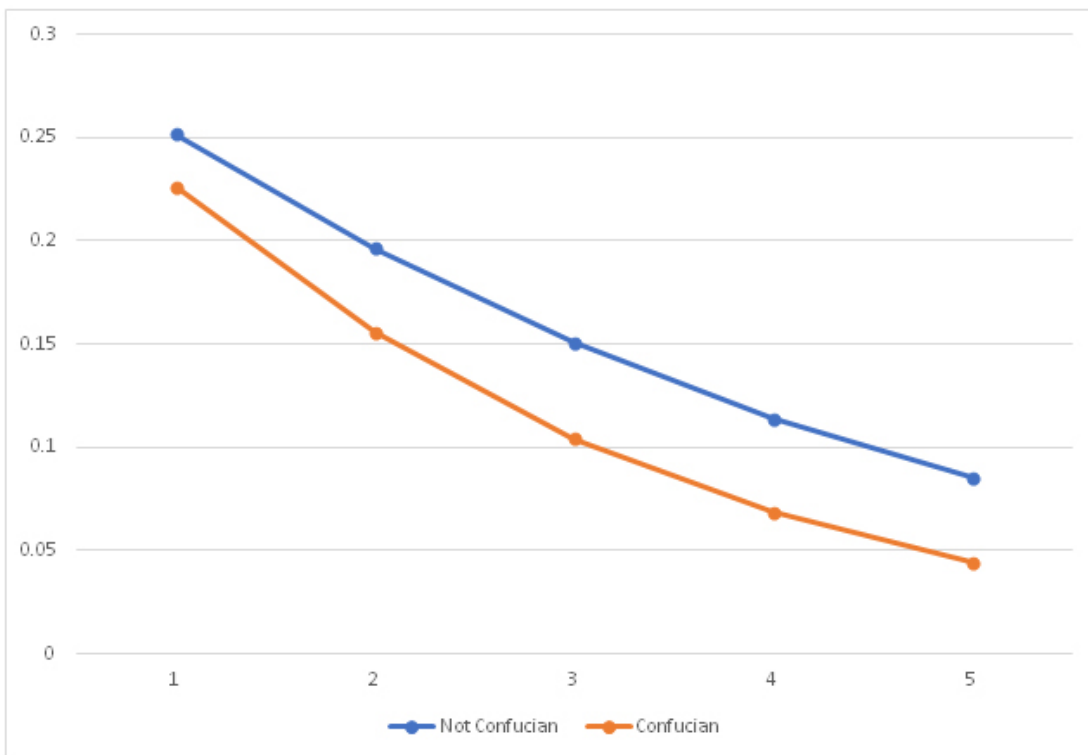


Figure 2. Estimated probabilities of cheating behavior based on reputation concern and

Confucianism association

Data and code used in this initial analysis were deposited at: <https://osf.io/t97cd/>

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 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: ***Tam-Tri Le***.

AISDL members who have joined this project: Quan-Hoang Vuong and Minh-Hoang Nguyen.

The research project strictly adheres to scientific integrity standards, including authorship rights and obligations [5], without incurring an economic burden at participants' expenses [6].

References

[1] Huynh TLD, et al. (2022). [Cheating, Trust and Social Norms: Data from Germany, Vietnam, China, Taiwan, and Japan](#). *Data*, 7(10), 137.

[2] Nguyen MH, La VP, Le TT, Vuong QH. (2022). [Introduction to Bayesian Mindsponge Framework analytics: An innovative method for social and psychological research](#). *MethodsX*, 9, 101808.

[3] Vuong QH, Nguyen MH, La VP. (2022). [*The mindsponge and BMF analytics for innovative thinking in social sciences and humanities*](#). De Gruyter.

[4] La VP, Vuong QH. (2019). [bayesvl: Visually Learning the Graphical Structure of Bayesian Networks and Performing MCMC with 'Stan'](#). *The Comprehensive R Archive Network*.

[5] Vuong QH. (2020). [Reform retractions to make them more transparent](#). *Nature*, 582(7811), 149.

[6] Vuong QH. (2018). [The \(ir\)rational consideration of the cost of science in transition economies](#). *Nature Human Behaviour*, 2(1), 5.

