

BMF CP92: Who had no wildlife smoke notifications and knowledge of the air quality rating system?

AISDL Team

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"When you meditate to the point where the Eight Winds no longer disturb your mind, confusion will vanish, and your wisdom will shine like the full moon."

-In "The Meditation Master"; <u>Wild Wise Weird</u> (2024)

[COLLABORATIVE PROJECT]

1. Project description

1.1. Main objectives

The current study is conducted to examine the following research question:

- Who were the people who had no access to wildfire smoke notifications during the smoke event in the summer of 2018 in the Boise Metropolitan Area in Idaho?
- Who were the people who were not familiar with the air quality rating system?

1.2. Materials

The granular interaction thinking of mindsponge theory will be used for the conceptual development of this study, while Bayesian Mindsponge Framework (BMF) analytics will be used for statistical analysis [1-4]. The dataset comprises 614 randomly selected people (inperson) across the Boise Metropolitan Area in Idaho and 1,623 Boise State University affiliates (online) [5]. Statistical analyses will be conducted using the bayesvl R package, which utilizes the Markov chain Monte Carlo (MCMC) algorithm for estimation [6]. For the sake of research transparency and reducing research and reproducibility costs, we have stored all data and computer code on Zenodo: <u>https://zenodo.org/records/13851421</u>.

1.3. Main findings

The preliminary analysis shows that lower-income and less-educated people were less likely to have access to wildfire smoke notifications. Meanwhile, people relying on friends and family had an ambiguous association with the probability of having access to wildlife smoke notifications (see Figure 1).

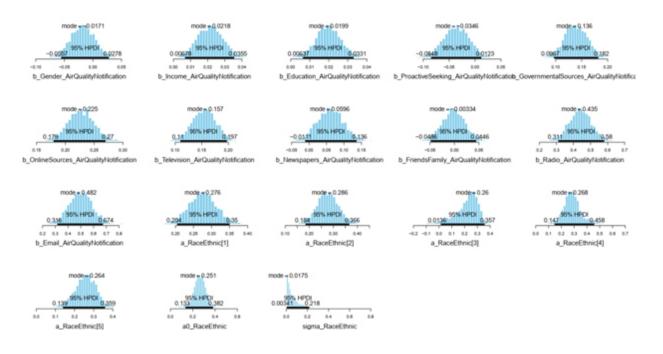


Figure 1: Estimated coefficients

2. Collaboration procedure

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

- 1. Create an account on the website (preferably using an institution email).
- 2. Comment your name, affiliation, and your desired role in the project below this post.
- 3. Patiently wait for the formal agreement on the project from the AISDL mentor.

If you have further inquiries, please contact us at <u>aisdl_team@mindsponge.info</u>

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: Quan-Hoang Vuong, Viet-Phuong La.

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

References

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