

Review of: "Cross-national associations of IQ and infectious diseases: Is the prevalence of Corona an exceptional case?"

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Potential competing interests: No potential competing interests to declare.

General Review: The article "Cross-national associations of IQ and infectious diseases: Is the prevalence of Corona an exceptional case?" explores the relationship between national IQ and the prevalence of infectious diseases, with a specific focus on the exceptional case of the COVID-19 pandemic. While the topic is intriguing, the current version of the article requires significant changes to improve its quality and credibility. Below are some key points that need to be addressed:

Clarity of Objectives and Hypotheses: The article lacks a clear statement of objectives and hypotheses. It is important to explicitly outline the research goals and clearly state the hypotheses being tested. This will help readers understand the purpose of the study and the specific research questions being addressed.

Methodological Rigor and Data Sources: The article does not provide sufficient details about the methodology employed or the sources of data used for analysis. It is essential to describe the sampling strategy, data collection methods, and statistical analyses performed. Moreover, the credibility and reliability of the data sources need to be established, especially when dealing with sensitive topics such as IQ and infectious diseases.

Statistical Analysis and Results: The article should provide a more comprehensive statistical analysis to support the conclusions drawn. This includes providing appropriate statistical tests, effect sizes, and confidence intervals where applicable. Additionally, it is crucial to differentiate between correlation and causation and avoid making unsupported claims or generalizations based on correlational findings alone.

Literature Review and Context: The article lacks a thorough review of relevant literature on the relationship between IQ and infectious diseases. It is essential to situate the study within the existing body of research and discuss any inconsistencies or gaps in the literature. This will help establish the novelty and significance of the study's findings.

Clear Discussion and Interpretation: The discussion section should provide a clear interpretation of the results, discussing their implications in light of the research objectives and hypotheses. Avoid speculation or unfounded claims, and instead focus on a balanced assessment of the findings, acknowledging any limitations or potential confounding factors.

Ethical Considerations: Given the sensitive nature of the topic, it is important to address ethical considerations related to the study. This includes discussing potential biases, limitations, and ethical implications of drawing conclusions based on national IQ scores. It is crucial to approach the subject matter with caution and sensitivity, adhering to ethical guidelines in

research.

Clarity of Writing and Structure: The article's structure and writing style need improvement. The sections should be clearly defined and logically organized, allowing readers to navigate through the research with ease. Additionally, attention should be given to grammar, spelling, and overall clarity of expression.

In conclusion, the article "Cross-national associations of IQ and infectious diseases: Is the prevalence of Corona an exceptional case?" has potential, but it requires major changes to enhance its quality and validity. Addressing the points mentioned above will significantly improve the article's scientific rigor, readability, and overall contribution to the field of study.