

**A national longitudinal study of Muslim diversity and flourishing in Aotearoa New Zealand:
A quantitative study protocol**

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Abstract

The New Zealand Attitudes and Values Study (NZAVS) is a large longitudinal national probability annual panel study of social attitudes, personality, ideology and health outcomes that began in 2009 and has collected data from more than 70,000 subjects so far. NZAVS has been instrumental in exploring minority issues, including but not limited to discrimination, intergroup relations, identity, security, and etc. In this pursuit, NZAVS has also explored perception of Muslims and the mechanisms of attitudinal changes towards Muslims following 15 March 2019 Christchurch terrorist attacks. However, much of the NZAVS work to date with the Muslim community has focused on conveying information about how Muslims are perceived. After receiving strong positive signals from the Muslim community to scientifically explore diversity, discrimination, self-perception, resilience, meaning-making, and flourishing; this longitudinal study was conceived to address such a worthwhile scientific need. This protocol addresses our pilot community consultation, the decisions made and modified based on consultation, community engagement, data collection, team, and measures. The study primarily aims to explore the diversity of Muslims in New Zealand, assess Muslims' perceived discrimination in comparison with other groups, unearth predictors of flourishing and meaning-making, and measure the effect of service-attendance and religious-identification on these constructs.

Keywords: Muslim, Islam, religion, diversity, discrimination, flourishing, meaning-making, identity

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Abstract: Provide a brief overview of the longitudinal study protocol, highlighting its aim to investigate the psychological effects of the Christchurch mosque attacks on the Muslim community using quantitative measures over time.

Introduction

Introduce the context of the study, emphasizing the need to understand the psychological impact of mass trauma events on diverse populations such as the Christchurch Muslim community. Highlight the significance of longitudinal research in assessing long-term mental health outcomes. Bulbulia et al. (2022)

Background

- Provide a brief overview of the Christchurch mosque attacks and their aftermath.
- Discuss existing literature on the psychological effects of mass trauma events, particularly on diverse cultural groups.
- Outline the gaps in current knowledge regarding the long-term psychological effects of such events on the Muslim community.

Research Aims

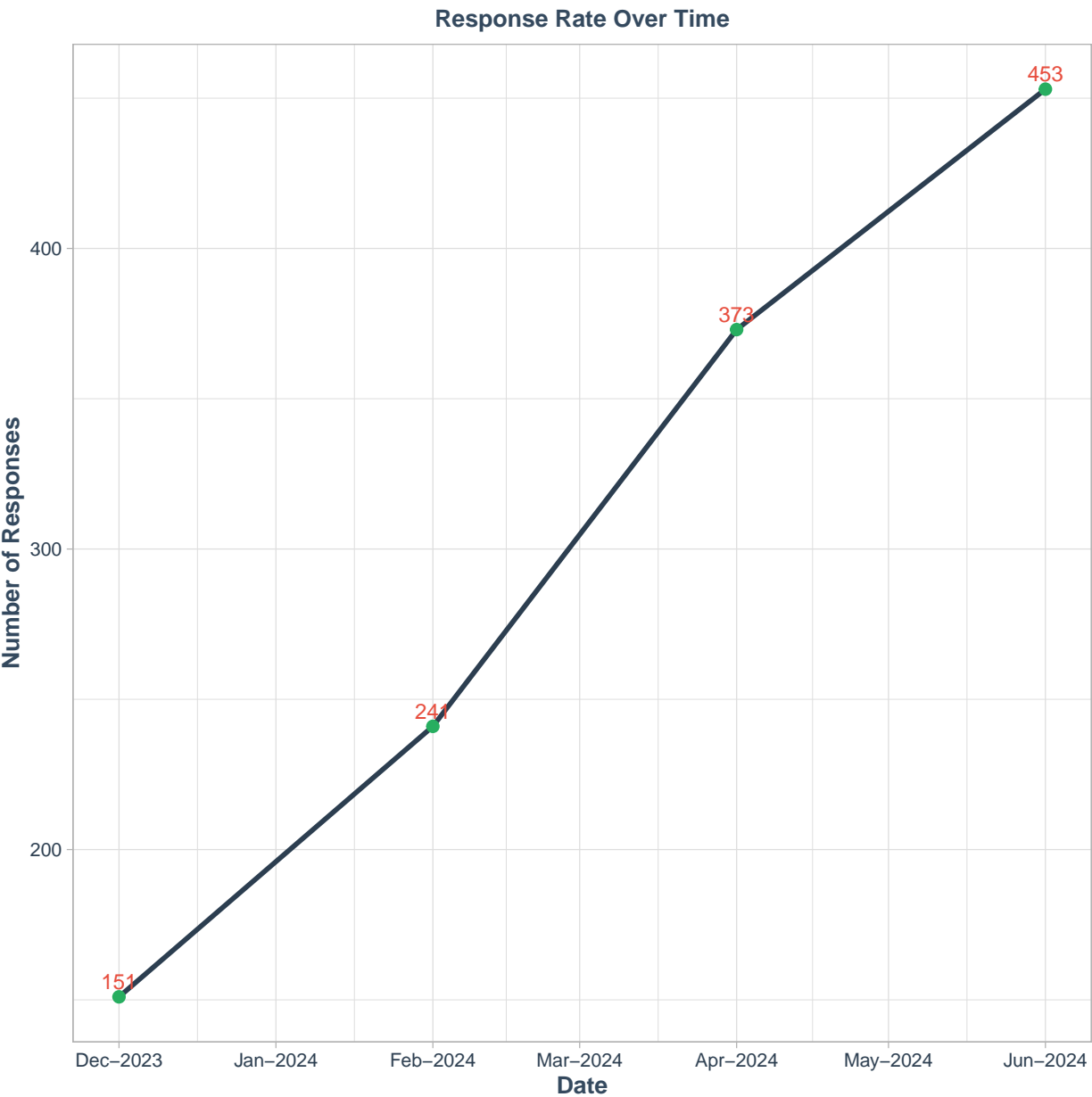
- Clearly state the research questions and objectives of the longitudinal study.
- Emphasize the importance of assessing psychological outcomes over time to understand the trajectory of mental health in the affected population.

Methods

- **Study Design:** Describe the longitudinal design of the study, including the planned follow-up periods.
- **Participant Selection:** Define the inclusion criteria for participants, specifying age, residency, and other relevant factors.

- **Recruitment:** Detail the recruitment strategy, including outreach methods and sources of recruitment.
- **Data Collection:** Explain the quantitative measures to be used in data collection, including validated self-report instruments and clinical assessments.

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i Please use `linewidth` instead.



- **Procedure:** Outline the procedure for data collection at each time point, whether face-to-face or virtual.
- **Ethical Considerations:** Discuss ethical approval obtained for the study and procedures for obtaining informed consent from participants.
- **Data Analysis:** Provide an overview of the planned data analysis methods, including statistical techniques for longitudinal data analysis.

Expected Outcomes

- Anticipated findings based on the research questions and objectives.
- Potential contributions of the study to the field of mental health research and implications for policy and practice.

Timeline

- Present a timeline indicating key milestones in the study, including recruitment periods, data collection waves, and analysis phases.

Conclusion

Summarize the importance of the longitudinal study in understanding the psychological effects of the Christchurch mosque attacks on the Muslim community and reiterate the significance of the research aims.

Ethics

Funding

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Data Availability

The data described in this study are part of the Muslim Diversity Study, that is conducted under the [New Zealand Attitudes and Values Study](#).

CoI

We have no conflict of interest to disclose.

References

Bulbulia, J., Afzali, M. U., Yogeeswaran, K., & Sibley, C. G. (2022). *Long-term causal effects of far-right terrorism in new zealand*. <https://doi.org/10.31234/osf.io/8tfxm>

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CRediT Taxonomy Statement

M. Usman Afzali: Conceptualization, Methodology, Formal analysis, Investigation, Resources, Data Curation, Writing - Original Draft, Writing - Review & Editing, Visualization, Supervision, Project Administration, Funding Acquisition. **Jamila Badis:** Data Curation, Project Administration, Writing - Original Draft, Writing - Review & Editing. **Parus Khoso:** Formal analysis, Writing - Original Draft, Writing - Review & Editing. **Gul e Aqsa:** Formal analysis, Writing - Original Draft, Writing - Review & Editing. **Farah Shawkat:** Writing - Original Draft, Writing - Review & Editing. **Hussain Raissi:** Writing - Original Draft, Writing - Review & Editing. **Hala Burhoum:** Writing - Original Draft, Writing - Review & Editing. **Zarqa Shaheen:** Writing - Original Draft, Writing - Review & Editing. **Zahra Haidary:** Writing - Original Draft, Writing - Review & Editing. **Nasratullah Hamid:** Writing - Original Draft, Writing - Review & Editing. **Rizwan Sulehry:** Writing - Original Draft, Writing - Review & Editing. **Somia Tasneem:** Writing - Original Draft, Writing - Review & Editing. **Aarif Rasheed:** Conceptualization, Data Curation, Writing - Review & Editing, Funding Acquisition. **Kumar Yogeeswara:** Conceptualization, Methodology, Writing - Original Draft, Writing - Review & Editing, Funding Acquisition. **Chris G. Sibley:** Conceptualization, Methodology, Resources, Data Curation, Supervision, Writing - Original Draft, Writing - Review & Editing, Project Administration, Funding Acquisition. **Joseph A. Bulbulia:** Conceptualization, Methodology, Resources, Data Curation, Supervision, Writing - Original Draft, Writing - Review & Editing, Project Administration, Funding Acquisition.

Appendix
Title for Appendix