NATHANIEL C. NOYA

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Junior researcher with a strong record in quantitative research, data analysis, and project management. Skilled in developing scalable survey instruments and delivering targeted training for field researchers. My expertise lies in translating complex data into clear, actionable insights that drive policy and development initiatives. I am particularly drawn to the Science Research Specialist role at VSU-BIDANI, where I can use my analytical skills to advance nutrition improvement and community well-being. My professional approach resonates with BIDANI's core mission of promoting sustainable development through evidence-informed strategies, community empowerment, and collaborative governance. Key skills include:

Data analysis   -   Data visualization   -   Technical writing   -   Survey instrument programming
Project management   -   Cross-functional collaboration   -   Geospatial mapping and analysis   -   Information, Education, and Communication (IEC) materials production

WORK EXPERIENCE

Research Associate - WR Numero Research, Pasig City, Philippines   *12/2023 - 10/2024*

o   Spearheaded the programming of electronic survey questionnaires for 13 nationwide and local face-to-face surveys using KoboToolbox and XLSForm, deploying over 3,100 survey questions and items.

o   Led the development and execution of sampling design and sample selection processes for 5 research projects, including 3 nationwide surveys spanning 17 regions, 120 provinces, 270 cities/municipalities, and 819 ultimate sampling units (USUs). Oversaw initial design and fieldwork sampling adjustments, including selection of sample spots and replacements as needed.

o   Delivered 56 hours of live online training to 432 Field Researchers nationwide, on electronic questionnaire content, the KoboCollect app, and sampling protocols for 12 nationwide and local surveys. Questionnaire topics included Filipino political attitudes in a pre-election context, financial needs in the public safety sector, exclusion patterns in the Philippine education system, and attitudes toward the Philippine Party Development Act.

o   Contributed to securing a 3,000,000 PHP research project by revising the technical proposal, restructuring the six-month work plan and timeline for key deliverables, and optimizing the budget across major project components.

o   Produced 440 data tabulations across four projects and led a three-member team to implement a comprehensive data quality check procedure, validating 1,400 entries in real time; automated the data tracker in Excel using 12 graphs and tables to monitor key variables.

Research Assistant - University of the Philippines Center for Integrative and Development Studies, Quezon City, Philippines   *10/2023 - 08/2024*

o   Conducted descriptive and correlational analyses with data visualization for the EDCOM II research project on centering Filipino youth aspirations in education reform, utilizing the 2021 Young Adult Fertility and Sexuality Study (YAFS) to explore factors influencing career, education, and social aspirations through multiple linear and generalized ordinal logistic regression models. Additionally, conducted a literature review on various dimensions of youth aspirations.

o   Served as the primary liaison between Principal Investigator and the Research Consortium, composed of various development/academic organizations.

Research Apprentice - WR Numero Research, Pasig City, Philippines   *10/2023 - 12/2023*

o   Streamlined the inaugural Philippine Public Opinion Monitor by leading the programming of a 250-item digital survey instrument for Computer Assisted Face-to-Face Interviews, reducing the survey process time by at least 50% compared to traditional methods.
o   Created 110 data tabulations, conducted field data collection in four barangays in Metro Manila with 14 successful interviews, and led data quality checks for over 400 entries from the Visayas region.

Science Research Aide - Visayas State University, Baybay City, Philippines   *08/2023 - 09/2023*

o   Served as data encoder, created a coding guide, and managed and cleaned data from 112 household questionnaires for the study called Greenhouse Gas Emissions Inventory for Households in Brgy. Cogon, Ormoc City, Leyte.
o   Conducted data encoding from 30 household-level questionnaires, descriptive analyses, and literature review for the study called Residue Valorization of Waste Products from Small-scale Vegetable Production in Leyte, Philippines.

LEADERSHIP EXPERIENCE

Organizer - Young Scholars Initiative (Institute for New Economic Thinking)   *10/2024 - present*

o   Co-organized a Young Scholars panel at the 62nd Philippine Economic Society Conference, securing $1,680 funding for a panel session through the Young Scholars Initiative East Asia and Inequality working groups.

Volunteer-Researcher - Ekonsepto (Rethinking Economics Philippines)   *04/2021 - present*

o   Led partnership with WR Numero Research to add two economic literacy questions to the Philippine Public Opinion Monitor (1,729 sample size).
o   Presented findings at the 62nd Philippine Economic Society Conference on a baseline study of economic literacy using WR Numero's survey data.
o   Represented the Philippines in an online training series by Rethinking Economics International, focusing on strategic planning, grant writing, and campaign design.

EDUCATION

Bachelor of Science in Economics - Visayas State University, Baybay City, Philippines   *08/2023*

o   Specialized in Environmental and Development Economics
o   Recorded a GWA of 1.454 out of 1.00 (94.33%)
o   Written a thesis titled "Exploring the geography of (dis)advantage: spatial clusters and determinants of village-level poverty in Ormoc City, Leyte, Philippines using geographically weighted regression"