Nathaniel Noya

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Economics graduate with strong background in econometrics and statistics, and extensive experience in survey research, quantitative analysis, and statistical programming using R, Stata, and SPSS. With four years of leadership experience promoting economic literacy and pluralist economics education, plus experience training 500+ field researchers and mentoring research teams, I excel at making complex econometric concepts accessible through learner-centered approaches. Committed to continuous professional development and prepared to teach effectively in the age of AI, I am passionate about fostering critical thinking through evidence-based analysis and eager to contribute my expertise to the Visayas State University - Department of Economics as a part-time Instructor.

PROFESSIONAL EXPERIENCE

National Abaca Research Center, Baybay City, Philippines
Science Research Assistant   March 2025 - July 2025

- Led the coding of the digital data collection instrument for face-to-face interviews with abaca farmers across Leyte and Southern Leyte, Philippines, using KoboToolbox with the XLSForm standard. The research project aims to empirically analyze the socioeconomic conditions and livelihood challenges of abaca farming households in Leyte and Southern Leyte.
- Led transformation of original pen-and-paper questionnaire into a digital instrument, expanding content by 340% through a comprehensive literature review to improve data depth and quality.
- Translated the 8,000-word digital survey questionnaire from English to Cebuano.
- Trained and briefed fellow field researchers/enumerators, composed of the Study Leaders, Research Assistants, and Interns, on the KoboCollect app, field protocol, and the survey questionnaire.
- Coordinated with barangay officials, led the field team and managed administrative, logistical, and travel requirements to ensure the successful implementation of data collection in the field.

WR Numero Research, Pasig City, Philippines
Research Associate   December 2023 - October 2024

- 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.
- 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.

- 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.
- Coordinated multi-language translations for five research projects, overseeing and reviewing survey questionnaires totaling almost 25,000 words across Cebuano, Ilocano, Maguindanaon, Maranao, and Tausug. Conducted 8.5 hours of interviews to select qualified translators from a pool of 56 applicants, ensuring accurate, culturally relevant translations for both nationwide and local surveys.
- 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.
- Managed and mentored five interns across two internship cycles, effectively delegating tasks to enhance their learning and productivity.

WR Numero Research, Pasig City, Philippines
Research Apprentice   October 2023 - December 2023

- Streamlined the inaugural Philippine Public Opinion Monitor by leading the programming of a 250-item electronic survey questionnaire for Computer Assisted Face-to-Face Interviews, reducing the survey process time by at least 50% compared to traditional methods.
- Delivered 8 hours of live online training to 100 Field Researchers nationwide on electronic questionnaire content and the KoboCollect app for the inaugural Philippine Public Opinion Monitor.
- Contributed to the development of the sampling design and implemented the sampling scheme for selecting and replacing sample spots before and during fieldwork across 95 cities/municipalities and 300 barangays.
- Led the translation and review of a 4,974-word survey questionnaire from Tagalog to Cebuano.
- 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.

***Enabling Young Filipinos to Dream Big and Achieve Bigger*: Centering Youth Aspirations in Education Reform**, Manila, Philippines
Research Assistant/Research Consultancy   October 2023 - August 2024

- 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.

- Served as the primary liaison between Principal Investigator and the Research Consortium, composed of various development/academic organizations.
- Acquired three datasets from nationally representative surveys, including a longitudinal study, and led the cleaning and analyses of the 2021 Young Adult Fertility and Sexuality Study (YAFS) dataset (with sample size of 10,949), interpreting results from descriptive and correlational analyses. Additionally, conducted a literature review on various dimensions of youth aspirations.
- Participated in several workshops and meetings where we learned from education experts and other UPPEJA Fellows, and applied them to our research project.

Visayas State University, Baybay City, Philippines
Science Research Aide   August 2023 - September 2023

- 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.
- 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.

EDUCATION

Visayas State University, Baybay City, Philippines   August 2023
Bachelor of Science in Economics, with specialization in Environmental and Development Economics
GWA: 1.454 out of 1.00
    Thesis: "Exploring the geography of (dis)advantage: spatial clusters and determinants of village-level poverty in Ormoc City, Leyte, Philippines using geographically weighted regression"

VOLUNTEER/LEADERSHIP EXPERIENCE

Young Scholars Initiative (an initiative of Institute for New Economic Thinking)
Organizer, East Asia working group   October 2024 - present

- Co-organized a Young Scholars panel at the 62nd Philippine Economic Society Conference, securing $1,680 funding for three young economist presenters and one senior discussant through the Young Scholars Initiative, Inequality and East Asia working groups.

Ekonsepto (Rethinking Economics Philippines)
Volunteer-Researcher   April 2021 - present

- Co-led a partnership with WR Numero Research's Surveys for Good initiative to incorporate two economic literacy questions into the Philippine Public Opinion Monitor (with sample size of 1,729), a quarterly nationwide survey conducted by the private firm.

- Presented on behalf of Ekonsepto at the 62nd Philippine Economic Society Conference, sharing preliminary findings from a groundbreaking baseline study on economic literacy in the Philippines, based on data from WR Numero's nationally representative survey.
- Co-organized and served as the master of ceremony for a 2-part webinar series called Ekon to the Future: A Look at Diverse Careers for Economics Graduates, the livestream of which garnered a combined Facebook post reach of 4,800.
- Represented the Philippines in the 5-part online regional training series of Rethinking Economics International, gaining expertise in strategic planning, network development, organizing and leadership roles, campaign design, and skills in bid-writing and grant reporting.

RELEVANT CERTIFICATIONS

Teaching Responsibly with AI June 2025
GPTZero
Survey 101 and KoboCollect November 2023
WR Numero Research
Field and Logistics Protocol November 2023
WR Numero Research
Survey Questionnaire Development November 2023
WR Numero Research
Data Quality Protocol November 2023
WR Numero Research
Gender Equity and Social Inclusion in Research November 2023
Australian Centre for International Agricultural Research
Spatial Data Science: The New Frontier in Analytics October 2023
Esri Training
Applied Analytics in Public Finance and Budgeting November 2022
Development Academy of the Philippines
Storytelling Using Data November 2022
Development Academy of the Philippines
Data Science Methodology November 2022
IBM Skills Network
Tools for Data Science November 2022
IBM Skills Network
Livable and Sustainable Cities in e-Governance October 2022
Development Academy of the Philippines
Data-driven Policy Analysis October 2022
Development Academy of the Philippines
Essential Excel Skills for Data Preparation and Analysis September 2022
Development Academy of the Philippines
The Shift Needed in Economics to Enable Just Transition to a Right-Sized Economy July 2022
Ecological Economics for All (EE4ALL)
Data Management Fundamentals July 2022
Development Academy of the Philippines
Designing a Multidimensional Poverty Index April 2022

United Nations Development Programme
Department of Science and Technology - National Capital Region
Foundations of Leadership Excellence (FLEX)   August 2016
Organizational Change Consultants International, Inc.

AWARDS AND HONORS

Project SPARTA Scholar (Data Analyst pathway)   2020-2023
Development Academy of the Philippines
Consistent University Honors   2018-2020
Visayas State University
University Scholar   2018-2020
Visayas State University
Scholar   2013-2016
Tsuneishi Foundation Cebu Inc.
Dean's List   2013-2015
University of San Jose - Recoletos

PROFESSIONAL ASSOCIATIONS

Philippine Migration Research Network   August 2024 - August 2025
Philippine Sociological Society   August 2024 - July 2025

EXTRACURRICULAR AWARDS

Philippine Economic Society, Visayas Economics Conference   August 2021
Essay Writing Contest, 1st Place and People's Choice Award (College Category - Region 8)
Ramon Aboitiz Foundation Inc., Gabii sa Kabilin's Pasundayag   May 2016
Talent Competition (Singing), 1st Place
University of San Jose - Recoletos, SPEECHFEST 2016   February 2016
Oration Competition, 2nd Place

CONFERENCE PRESENTATIONS AND PUBLIC TALK

"The State of Economic Literacy in the Philippines: Findings from a National Survey," 45th Anniversary Webinar, Department of Economics, Visayas State University, Baybay City, Leyte, Philippines, November 2024

"The State of Economic Literacy in the Philippines: Findings from a National Survey," 62nd Philippine Economic Society Annual Meeting and Conference, Quezon City, Metro Manila, Philippines, November 2024

Session Moderator, "Young Economists Panel: Local Perspectives on National Challenges", 62nd Philippine Economic Society Annual Meeting and Conference, Quezon City, Metro Manila, Philippines, November 2024

"Do Filipinos Trust Surveys?," 2024 Philippine Sociological Society International Conference, Butuan City, Agusan del Norte, Philippines, October 2024

WORK-IN-PROGRESS PAPERS

- *Manuscript under preparation.* Socioeconomic assessment and livelihood analysis of abaca farming households in Leyte and Southern Leyte: opportunities, problems, and challenges. With Mary Cris. F. Pleños, Visayas State University
- *Manuscript under preparation.* Where are the hungry? A spatial analysis of food insecurity in Ormoc City, Leyte.
- *Manuscript under preparation.* Exploring the geography of (dis)advantage: spatial clusters and determinants of village-level poverty in Ormoc City, Leyte, using Geographically Weighted Regression. With Dr. Moises Neil V. Seriño, Visayas State University
- *Manuscript under preparation.* Do Filipinos trust surveys? Findings from a nationally representative survey.

TRAINING DELIVERED

Digitize Your Survey Tool with KoboToolbox and XLSForm
Trainer/Speaker   May 2025
- Trained over 40 researchers, instructors, technical assistants, planning officers, and students from across the country in a public, three-hour live online session on digitizing survey instruments using KoboToolbox and the XLSForm standard for Computer-Assisted Personal Interviews (CAPI), organized by the Visayas Socio-Economic Research and Data Analytics Center (ViSERDAC).

TECHNICAL SKILLS

- Data analysis and management: R (3 years), Stata (2 years), SPSS (2 years), Excel (3 years)
- Geospatial analysis: QGIS (2 years), GeoDa (1 year)
- Electronic survey instrument programming: XLSForm (1 year), KoboToolbox (1 year)
- Multimedia production: Canva (2 years), DaVinci Resolve 19 (1 year)
- Computer and MS Office operations: Word (14 years), Powerpoint (14 years)
- Touch typing (81 words per minute on average)

LANGUAGES

English (Professional), Filipino (Professional), Cebuano (Native)

RESEARCH INTERESTS

Development Economics, Pluralist Economics, Survey Research, Econometrics, Ecological Economics, Sustainability, Research Methodologies