

PROGRAMME

TRAINING-WORKSHOP ON RESEARCH PANELLING AND ADVISING FOR PREDICTIVE AND CAUSAL QUANTITATIVE STUDIES

September 24-26, 2026 | The Pinnacle Hotel and Suites, Davao City

Objectives of the training-workshop:

1. Differentiate Methodological Requirements for Causal and Predictive Quantitative Research Designs;
2. Standardize Evaluation Criteria for Statistical Assumptions and Model Quality;
3. Formulate Evidence-Based Advising Strategies for Sample Size Determination and Statistical Power; and
4. Promote Research Integrity and International Reporting Standards in Quantitative Research.

DAY 1

September 24, 2026

Arrival of Participants

DAY 2

September 25, 2026

9:01am – 9:10am

**Invocation
National Anthem**

9:11am – 9:20am

Opening Remarks

9:21am – 9:30am

Introduction of the Resource Speaker

DR. JOHN VIANNE MURCIA

Director of the Research Development and Publication Office (RDPO)
 Head of Institutional Accreditations
 Jose Maria College Foundation, Inc.

9:31am – 10:30am

Session 1: Differentiating Predictive and Causal Quantitative Research Designs

10:31am – 11:30am

Session 2: The Architecture of Causality: Confounding Variables, Randomization, and Quasi-Experimental Designs (Propensity Score Matching, Difference-in-Differences, Instrumental Variables)

11:31am – 12:00nn

Workshop 1

12:01nn – 1:00pm

LUNCH BREAK

1:01pm – 2:30pm

Session 3: Predictive Modeling: Validation, Cross-Validation, Forecasting Accuracy, and Generalizability

2:31pm – 4:00pm

Session 4: Statistical Assumptions in Regression Analysis: Normality, Homoscedasticity, Multicollinearity, and Endogeneity

4:01pm – 4:30pm

Workshop 2

4:31pm – 5:00pm

Open Forum

VISION

A community of ethical and scholarly publishing practitioners.

MISSION

We commit to advance the professional expertise of the scholarly publishers, editors and reviewers; to provide expert services in scholarly journals; to promote publication ethics in scholarly journals; and to support various causes in the promotion, development and advancement of scientific publication.

DAY 3

September 26, 2026

9:01am – 9:10am	Invocation
9:11am – 9:30am	Review of Day 1
9:31am – 10:30am	Session 5: Evaluating Model Fit in Regression and Structural Equation Modeling
10:31am – 11:30am	Session 6: Sample Size Determination and A Priori Statistical Power Analysis
11:31am – 12:00nn	Workshop 3
12:01nn – 1:00pm	LUNCH BREAK
1:01pm - 2:00pm	Session 7: Sample Size Considerations for Advanced Regression, Hierarchical Linear Modeling, Mediation, Moderation, and Structural Equation Modeling
2:01pm – 3:00pm	Session 8: Research Integrity in Quantitative Studies: Avoiding p-hacking, HARKing, Selective Reporting, and Promoting Transparent Research
3:01pm – 4:00pm	Session 9: Reporting Effect Sizes, Confidence Intervals, and Open Science Practices for Publication-Ready Quantitative Research
4:00pm - 4:30pm	Workshop 4
4:31 – 4:50pm	Open Forum Reflection and Q&A
4:51 – 5:00pm	Closing Ceremonies Awarding of Certificates

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