

## TRAINING-WORKSHOP ON THEORIES, CONCEPTS AND APPLICATIONS OF STRUCTURAL EQUATION MODELS USING JAMOVI FOR SOCIAL SCIENCES

August 15-17, 2024

The Selah Garden Hotel, Park Avenue, Pasay City, Metro Manila

The International Association of Scholarly Publishers, Editors and Reviewers (IASPER) with the SEC Registration No. CN201433407 is inviting you to participate in the **Training-Workshop on Theories, Concepts and Applications of Structural Equation Models using JAMOVI for Social Sciences** on **August 15-17, 2024** at **The Selah Garden Hotel, Park Avenue, Pasay City, Metro Manila, Philippines**.

In the ever-evolving landscape of social sciences, the ability to rigorously analyze complex relationships between variables is paramount. Structural Equation Modeling (SEM) is a powerful statistical technique that allows researchers to test and estimate causal relationships using both direct and indirect effects. This method integrates multiple regression analysis, factor analysis, and path analysis, providing a comprehensive approach to understanding and interpreting complex data structures.

Despite its utility, SEM can be intimidating due to its complexity and the mathematical rigor it requires. Many researchers in the social sciences are often deterred by these challenges, resulting in underutilization of this valuable analytical tool. To bridge this gap, we are introducing a specialized training program focused on "Theories, Concepts, and Applications of Structural Equation Models" with an emphasis on using JAMOVI software. JAMOVI is a user-friendly, open-source statistical software that simplifies the implementation of SEM, making it accessible to a broader audience.

The training-workshop aims to:

- 1. Understand the Theoretical Foundations and Concepts of Structural Equation Modeling (SEM).** This objective aims to provide participants with a solid understanding of the underlying theories and principles of SEM. The training will cover the historical development of SEM, key concepts such as latent variables, measurement models, and structural models, and the distinction between reflective and formative indicators. By grasping these foundational theories, participants will be better equipped to apply SEM techniques appropriately and effectively in their research.
- 2. Develop Practical Skills in Applying SEM Using JAMOVI Software.** The practical application of SEM can be daunting due to the complexity of the statistical calculations involved. This objective focuses on equipping participants with hands-on skills in using JAMOVI software to perform SEM analysis. Participants will learn how to input data, specify models, estimate parameters, and interpret the results. By the end of the training, participants will be proficient in using JAMOVI to conduct SEM, enabling them to independently analyze their research data and draw meaningful conclusions.
- 3. Enhance the Ability to Critically Evaluate and Interpret SEM Results in Social Science Research.** Beyond technical proficiency, it is crucial for researchers to critically evaluate and interpret SEM results within the context of their studies. This objective aims to develop participants' ability to assess the validity and reliability of their SEM models, understand fit indices, and make informed decisions based on the analysis. The training will include case studies and examples from published social science research to illustrate best practices and common pitfalls in SEM application.

### 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.

## RESOURCE SPEAKER

### DR. JOHN VIANNE MURCIA

Research Director and Head of Analytics  
Jose Maria College Foundation, Inc.

Dr. John Vianne Murcia has a background in Marketing and a vocation in statistics and data analysis. He obtained an MBA in Corporate Management from the University of Southeastern Philippines and a Master's degree in Predictive Analytics, focusing on Asset Management and Productivity, from Curtin University in Perth, Western Australia. He is also a PhD holder in Development Research and Administration from the University of Southeastern Philippines.

Dr. Murcia is currently Research Director for Business and Emerging Technologies as well as being the Head of Data Analytics of Jose Maria College Foundation. Prior to joining JMCFL, he was the University Statistician and Research Director as well as a specialist of the University of Mindanao Institute of Popular Opinion (IPO), overseeing the collection and analysis of data and dissemination of various popular opinion studies concerning Dabawenyos. He is now working on studies that use machine learning and artificial intelligence for day-to-day applications in complementarity with his visiting professorial lecturer status of Predictive Analytics and Machine Learning at University of Southeastern Philippines' College of Development Management in Davao City. Also, he is the managing editor of the Journal of Economy and Enterprise Studies (JEES), the research journal of UM for studies under the business and economics cluster.

## CONFIRMATION

For interested participants, please send your confirmation slip (as attached) at [iasper@aseanresearch.org](mailto:iasper@aseanresearch.org) or register via Google Form at <https://forms.gle/pViU2MyTNWtgAaU3A>.

Confirmation of participation is required to reserve a slot for the Training-Workshop. The deadline for confirmation will be on **August 8, 2024**.

## REGISTRATION FEE

The regular registration fee is **6,500.00 PHP** inclusive of **two days lunches, AM and PM snacks, training Kits, ID and certificates**. The organizer will not be shouldering the accommodation of each participant since the training is in a live-out arrangement. A list of hotels will be provided as guidance to the participants reflecting the hotel address and contact information, estimated rate per night, and proximity to the hotel venue.

Deadline of payment for regular registration will be on **August 8, 2024**. For onsite payments the following additional documents are required: *Travel Order, Hotel Accommodation, and Flight Details, among others*.

## TRAINING VENUE

**The Selah Garden Hotel** is nestled in the suburbs of Manila, right in the smack of the middle of the fast-paced Makati Business District and the historical walled city of Intramuros. Located at 2715 Park Ave, Barangay San Rafael, Pasay City, the Hotel is very accessible as it lies next to Manila's major road arteries EDSA, Roxas Boulevard and fairly new Macapagal Avenue it is a ten-minute drive from the airport. It is close to the emerging Entertainment city of the Philippines where the Mall of Asia and the other trendier casino hotels are situated.

## PERSONALIZED INVITATION LETTER

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Kindly provide us the following details should you wish to request for a personalized invitation letter:

- Name to address the invitation letter (complete name, designation, company/school)
- Name to address the letter of invitation (Thru): (complete name, designation, company/school)
- Email address to send the invitation letter
- Email address to send the CC of the invitation letter

## **PAYMENT DETAILS**

### ***Payment through Bank:***

Name of Bank: Bank of the Philippine Islands  
Address: Georgetown Cybermall, RN Pelaez Blvd. Kauswagan,  
Cagayan de Oro City 9000  
Account Name: International Association of Scholarly Publishers, Editors and Reviewers, Inc.  
Account Number: 8991-0002-76 (Peso Checking Account)

### ***Payment through GCASH (GCASH to BPI Bank Transfer Option):***

Name of Bank: Bank of the Philippine Islands  
Account Name: IASPER INC  
Account Number: 8991000276

### ***Payment through Western Union, Palawan or MLhuillier:***

Name of Recipient: Gayle T. Salalima  
Address: 4-2f Montblanc Bldg. 848., Burgos corner Chavez Sts., Cagayan de Oro City 9000,  
Philippines  
Contact No: (0917) 713 6816

## **CONTACT DETAILS**

### **MS. GAYLE T. SALALIMA-ABADINAS**

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