



Visayas Socio-Economic Research and Data Analytics Center
Visayas State University, Visca Baybay City, Leyte

presents

Training-Workshop on the Basics of Structural Equation Modelling
(SEM) using R

September 23-24, 2021 at 9:00 AM -5:00 PM | via Zoom

PROGRAM

Time	Activity	Person in-charge / Resource Person
DAY 1		
9:00 – 9:20	Preliminaries <ul style="list-style-type: none">PrayerLupang Hinirang	ViSERDAC
	Opening Remarks	Dr. MOISES NEIL V. SERIÑO Director, ViSERDAC
	Introduction of the Training Resource Person	ViSERDAC
9:20 – 12:00	Intro to R and basic data wrangling	MR. CHRISTOPHER A. LLONES Resource Person
12:00 – 1:00	Lunch Break	
1:00 – 4:30	Session 1: Exploratory Factor Analysis (EFA) <ul style="list-style-type: none">Objectives of Factor AnalysisDesigning an EFAAssumptions in EFADeriving factors and assessing overall fitInterpreting factor <i>*Health break for 10 minutes</i>	MR. CHRISTOPHER A. LLONES Resource Person
4:30 – 5:00	Open forum	ViSERDAC Moderator
Day 2		
9:00 – 12:00	Session 2: CFA and SEM <ul style="list-style-type: none">CFA – SEM overviewCFA-SEM with Lavaan packageDefining constructsDeveloping the overall measurement modelAssessing measurement model validitySpecifying the structural modelAssessing the structural model validity <i>*Health break for 10 minutes</i>	MR. CHRISTOPHER A. LLONES Resource Person
12:00 – 1:00	Lunch Break	



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1:00 – 3:30	Session 3: Case Study <ul style="list-style-type: none">Replicating the results of the study “Young people’s perceived service quality and environmental performance of hybrid electric bus service” by Munim and Noor (2020) <i>*Health break for 10 minutes</i>	MR. CHRISTOPHER A. LLONES Resource Person
3:30 – 4:30	Open forum	ViSERDAC Moderator
4:30 – 4:45	Awarding of Certificates	ViSERDAC
4:45 – 5:00	Closing Remarks	MR. IAN DAVE B. CUSTODIO Project Staff, ViSERDAC
<i>*Health break depends on the discretion of the Lecturer</i>		

