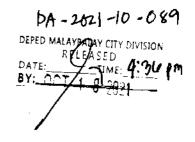


Republic of the Philippines

Department of Education

REGION X - NORTHERN MINDANAO DIVISION OF MALAYBALAY CITY



Division Advisory No. <u>by</u>, s. 2021
October 18, 2021

This Advisory is issued for the information of DepEd officials, personnel/staff, school heads/principals and the concerned public.

STATISTICAL TOOLS ENABLEMENT IN-DEPTH TRAINING WORKSHOP

Reiterating Regional Advisory No. 128 s. 2021 re: Statistical Tools Enablement In-Depth Training Workshop which is self-explanatory.

Queries relative to this can be relayed to Rosalio P. Arangco, Education Program Supervisor, SGOD at 0917 159 4825.

Immediate and wide dissemination of this Advisory is desired.

VICTORIA V. GAZO, PhD, CESO V Schools Division Superintenden

Address: Sayre Hi-way, Purok 6, Casisang, Malaybalay City Telefax No.: 088-314-0094; Telephone No.: 088-813-1246 Email Address: malaybalay.city@deped.gov.ph



Republic of the Philippines REGION X - NORTHERN MINDANAO

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Office of the Regional Director

Regional Advisory No. 128, s. 2021

October 14, 2021

In compliance with DepEd Order No. 8, s. 2013, this Advisory is issued not for endorsement per DO 28, s. 2001, but for the information of DepEd Officials, personnel/staff, and the concerned public.

(Visit deped 10.com)

STATISTICAL TOOLS ENABLEMENT IN-DEPTH TRAINING WORKSHOP

The Strategic One Business Management Consultancy, Inc., is inviting teachers to join the Statistical Tools Enablement In-Depth Training Workshop on November 17-19.

Participation of both public and private schools shall be subject to the nodisruption-of-classes policy stipulated in DepEd Order No. 9, s. 2005 entitled Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith.

Attached is the letter from the Strategic One Business Management Consultancy, Inc. for reference.

For more information, please email at datascience3@strat-onephils.com.

Immediate and wide dissemination of this Advisory is desired.

DR. ARTURO B. BAYOCOT, CESO III

Regional Director

p.p.

DR. VICTOR G DE GRACIA JR., CESO V

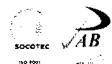
Assistant Regional Director

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DepEd Regional Office X, Zone 1, Upper Balulang, Cagayan de Oro City (088) 856-3932 | (088) 881-3137 | (088) 881-3031 | Department of Education Region 10

region10@deped.gov.ph http://deped10.com





STATISTICAL TOOLS ENABLEMENT IN-DEPTH TRAINING WORKSHOP

Course Description:

Statistical Tools Enablement in-depth Training Workshop - in this workshop participants will learn how to manage and prepare data before the statistical analysis. Further, participants will also learn and understand each statistical test aims to test(ex. relationship, causation, or difference). Participants of this course will also learn how to interpret the results and write narratives. The software that the participants will use are JAMOVI and JASP, these are freeware and user-friendly.

Course Objectives:

- 1. Learn how to manage and prepare data using JASP and JAMOVI.
- 2. Learn how to run the statistical test using JASP and JAMOVI. Further, understand the practical application and assumptions of each statistical test.
- 3. Learn how to report and write the narrative on each statistical tests result.
- 4. Identify the right statistical test depending on the characteristics of the variables.

Course Outline

Day 1

- *Introduction to Jasp and JAMOVI
- *Data Encoding using JAMOVI
- *Running and Interpreting Frequencies using JAMOVI
- *Introduction to basic statistics:mean, median, mode and normal distribution
- *Identifying and treating outliers in a distribution

Day 2

- *Test of independence: Chi-square test of independence and Correlation: Pearson, Spearman and Kendall Tau
- *Test of difference: Paired t-test and Wilcoxon signed-rank
- *Comparison of Means (2 groups): Independent T-test and Mann-whitney U test
- *Comparison of Means(More than 2 groups): One-way ANOVA and Kruskal Walis-H

Day 3

- *Regression Analysis: Linear and Logistic
- *ANCOVA
- *Reliability

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*Factor Analysis

PROGRAM OF ACTIVITIES: STATISTICAL TOOLS ENABLEMENT IN-DEPTH TRAINING WORKSHOP

Day 1: Basics

Opening of the workshop (Doxology, National Anthem and opening remarks)	8:45AM to 9:00AM
Introduction to Jasp and JAMOVI	9:01AM to 10:30AM
Recess/Break	10:31AM to 10:45AM
Data Encoding using JAMOVI	10:46AM to 11:59AM
Lunch Break	12:00PM to 1:00PM
*Running and Interpreting Frequencies using JAMOVI	1:01PM to 2:30PM
*Introduction to basic statistics:mean, median, mode and normal distribution	
Identifying and treating outliers in a distribution	2:31PM to 4:00PM
Dismiss	

Day 2: Workshop

Consultation	8:45AM to 9:00AM
Test of independence: Chi-square test of	9:01AM to 10:30AM
independence and Correlation: Pearson,	
Spearman and Kendall Tau	
Recess/Break	10:31AM to 10:45AM
Camparison of Means (2 groups): Independent T-	10:46AM to 11:59AM
test and Mann-Whitney U test	
Lunch Break	12:00PM to 1:00PM
Comparison of Means(More than 2 groups): One-	1:01PM to 2:30PM
way ANOVA and Kruskal Walis-H	
Break/Recess	2:31PM to 2:45PM
Continuation of Workshop/Hands-on activities	2:46PM to 4:00PM
Dismiss	

Day 3: Workshop(Advanced Statistics)

Dismiss		
onfirmatory Factor Analysis	2:31PM to 4:00PM	
Break/Recess	2:31PM to 2:45PM	
nity Test and Exploratory Factor Analysis	1:01PM to 2:30PM	
Lunch Break	12:00PM to 1:00PM	
alysis of Covariates/ANCOVA	10:46AM to 11:59AM	
Recess/Break	10:31AM to 10:45AM	
Regression Analysis: Linear and Logistic	9:01AM to 10:30AM	



THE SPEAKER



JEROME L. BUHAY

- · Researcher/Statistician/Consultant
- Professor at De La Salle University Dasmariñas
- PhD in Mathematics Education (Ongoing)
- PhD in Statistics (with earned units)
- Master of Arts in Mathematics
- BS in Applied Mathematics maj. In Statistics

REQUIRED SOFTWARE FOR THIS WORKSHOP:

- Zoom
- Jasp (Freeware Statistical Software)
- JAMOVI (Freeware Statistical Software)
- Gmail account for Google Classroom