



Republic of the Philippines
Department of Education
REGION X - NORTHERN MINDANAO
DIVISION OF MALAYBALAY CITY

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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. Arango**, 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 Superintendent



2021-40742



Republic of the Philippines
Department of Education
REGION X - NORTHERN MINDANAO

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10/15/21

Office of the Regional Director

Regional Advisory No. 126, 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 deped10.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 *no-disruption-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.

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Assistant Regional Director

CLMD/nick



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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 JAMOVİ and JASP, these are freeware and user-friendly.

Course Objectives:

1. Learn how to manage and prepare data using JASP and JAMOVİ.
2. Learn how to run the statistical test using JASP and JAMOVİ. 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 JAMOVİ
- *Data Encoding using JAMOVİ
- *Running and Interpreting Frequencies using JAMOVİ
- *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 Wallis-H

Day 3

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



*Factor Analysis

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

Day 1: Basics

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

Day 2: Workshop

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

Day 3: Workshop (Advanced Statistics)

<i>Regression Analysis: Linear and Logistic</i>	9:01AM to 10:30AM
<i>Recess/Break</i>	10:31AM to 10:45AM
<i>Analysis of Covariates/ANCOVA</i>	10:46AM to 11:59AM
<i>Lunch Break</i>	12:00PM to 1:00PM
<i>Confidence Interval and Exploratory Factor Analysis</i>	1:01PM to 2:30PM
<i>Break/Recess</i>	2:31PM to 2:45PM
<i>Confirmatory Factor Analysis</i>	2:31PM to 4:00PM
<i>Dismiss</i>	



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