



Republic of the Philippines  
**Department of Education**  
REGION X – NORTHERN MINDANAO  
**SCHOOLS DIVISION OF EL SALVADOR CITY**

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**Office of the Schools  
Division Superintendent**

DIVISION ADVISORY  
No. 103, s. 2021  
September 29, 2021

*In compliance with DepEd Order No. 8, s. 2013,  
This Advisory is issued not for endorsement as per DO No. 28, 2001  
but for the information of DepEd Officials, Personnel Staff and the concerned public  
(visit <https://depedelsalvadorcity.net>)*

**STATISTICAL TOOLS ENABLEMENT IN-DEPTH  
TRAINING WORKSHOP**

The Strategic One Business Management Consultancy Firm is inviting educational leaders, teaching and nonteaching personnel to attend the **STATISTICAL TOOLS ENABLEMENT IN-DEPTH TRAINING WORKSHOP**.

The webinar session is aimed at the following: (a) learn how to manage and prepare data using JASP and JAMOVI; (b) learn how to run the statistical test using JASP and JAMOVI; (c) learn how to report and write the narrative on each statistical test result; (d) identify the right statistical test depending on the characteristics of the variables.

Participation shall be subject to the *no-disruption-of-classes policy* stipulated in DepEd Order No. 09, s. 2005 entitled *Instituting Measures to Increase Engaged Time-On-Task and Ensuring Compliance Therewith*. Attached is the letter from the organizer for your inquiries.

For information and guidance.

**OLGA C. ALONSABE, PhD, CESE**  
Assistant Schools Division Superintendent  
OIC, Office of the Schools Division Superintendent

Encl:

As stated

Reference:

Letter from the Organizer

To be indicated in the Perpetual Index  
under the following subjects:

TRAINING PROGRAMS

**SGOD/HRD/MPM**



## 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 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
<b>Recess/Break</b>	10:31AM to 10:45AM
<i>Data Encoding using JAMOVI</i>	10:46AM to 11:59AM
<b>Lunch Break</b>	12:00PM to 1:00PM
<i>*Running and Interpreting Frequencies using JAMOVI</i> <i>*Introduction to basic statistics: mean, median, mode and normal distribution</i>	1:01PM to 2:30PM
<i>Identifying and treating outliers in a distribution</i>	2:31PM to 4:00PM
<b>Dismiss</b>	

*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
<b>Recess/Break</b>	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
<b>Lunch Break</b>	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
<b>Break/Recess</b>	2:31PM to 2:45PM
<i>Continuation of Workshop/Hands-on activities</i>	2:46PM to 4:00PM
<b>Dismiss</b>	

*Day 3: Workshop (Advanced Statistics)*

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

STRATEGIC ONE BUSINESS MANAGEMENT CONSULTANCY FIRM



02-8-801-5903



YAKAL ROAD, TUNASAN, MUNTINLUPA CITY, METRO MANILA

**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

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