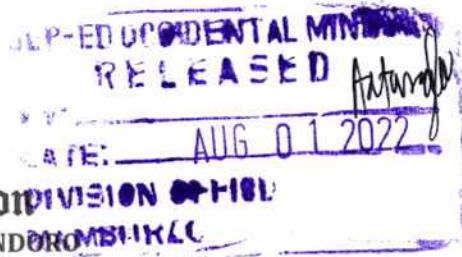




Republic of the Philippines
Department of Education
SCHOOLS DIVISION OF OCCIDENTAL MINDORO



Office of the Schools Division Superintendent

August 1, 2022

DIVISION MEMORANDUM

No: 000296 / 2022

**TRAINING-WORKSHOP ON DESCRIPTIVE AND INFERENTIAL STATISTICS
IN RESEARCH**

To: OIC-Asst. Schools Division Superintendent
Chief Education Supervisors, SGOD & CID
Education Program Supervisors
Public Schools District Supervisors
Public Elementary and Secondary School Heads
Schools Division Research Committee (SDRC) &
Technical Working Group (TWG)
Researchers
All Others Concerned

1. Anchored to Domain 1.2. Content Knowledge and Pedagogy, Research-based knowledge and principles of teaching and learning of DepEd Order No. 42, s. 2022 titled **National Adoption of Implementation of Philippine Professional Standards for Teachers** dated August 11, 2017, the Schools Division of Occidental Mindoro, in partnership with the Polytechnic University of the Philippines (PUP) shall conduct a **Virtual Training - Workshop on Descriptive and Inferential Statistics in Research (Phase I)** on August 8-11, 2022 via Zoom platform.
2. This activity aims to:
 - a. impart knowledge on the proper use of different statistical tests in treating research data;
 - b. introduce the different statistical software which can be used in dealing with large statistical data;
 - c. apply the knowledge learned in this training-workshop using statistical software in producing research paper;
 - d. increase the number of pools of statistical experts for select division in the MIMAROPA region; and
 - e. provide statistical consultation on the existing research paper in preparation for paper publication.
3. Participants to this activity are the 2021 BERF Batch 2 and BERF 2022 researchers, select teachers, master teachers, identified technical working group members, and SDRC members. They are expected to be in the platform before 1:00



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o'clock in the afternoon of Day 1, August 8, 2022 for the registration and opening program.

4. Attached are the training matrix and list of participants for your reference.
5. Training materials relative to the conduct of the said activity shall be charged to local funds subject to the usual budgeting, accounting and auditing rules and regulations.
6. Widest dissemination of and compliance with this Memorandum are desired.

LYNN G. MENDOZA

Asst. Schools Division Superintendent
OIC – Office of the Schools Division Superintendent

By the authority of the OIC-SDS:


RODEL S. MAGNAYE

Chief, Education Supervisor, SGOD
OIC – Office of the Asst. Schools Division Superintendent



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Annex 1 – TRAINING MATRIX

TRAINING-WORKSHOP ON DESCRIPTIVE AND INFERENTIAL STATISTICS IN RESEARCH

Day 1: Opening Ceremony

Ceremonial Signing of Memorandum of Agreement MOA (August 8, 2022)

Time	Activity	In-Charge
1:00pm-1:30pm	Registration and Setting-In	PUP Secretariat
1:31pm-2:00pm	Opening Program	DepEd School Division of Occidental Mindoro
	National Anthem	
	Prayer	
	MIMAROPA and PUP Hymn	
2:01pm-3:00pm	Messages	Dr. Maria Luisa D. Servando , SDS, Romblon Ms. Lynn G. Mendoza , OIC-SDS, Occidental Mindoro Dr. Laida M. Mascarenas , EPS-OIC, Calapan City Dr. Lincoln A. Bautista , College of Science Dean Dr. Anna Ruby P. Gapasin PUP Vice President for Research, Extension and Development
3:01 pm-3:30pm	Ceremonial Signing of Memorandum of Agreement	Dr. Anna Ruby P. Gapasin PUP Vice President for Research, Extension and Development Dr. Lincoln A. Bautista , College of Science Dean Assoc. Prof. Andrew C. Hernandez , Chairperson PUP Dept. Mathematics and Statistics
		Dr. Edcon B. Baccay , College of Science Faculty Extensionist Dr. Maria Luisa D. Servando , SDS, Romblon Ms. Lynn G. Mendoza , OIC-SDS, Occidental Mindoro Dr. Laida M. Mascarenas , EPS-OIC, Calapan City



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3:31pm- 3:40pm	Reading of House Rules	Assoc. Prof. Laurence P. Usona Team Leader
3:41pm-4:00pm	Audio Visual Presentation	
4:01pm- 5:00pm	Pre-Test of Participants	Inst. Katrina D. Elizon Faculty, Department of Mathematics and Statistics

Day 2: Seminar on Basic Statistics (August 9, 2022)

<i>Time</i>	<i>Activity</i>	<i>In-Charge</i>
1:01pm-1:05pm	Opening Prayer	DepEd School Division of Calapan, Oriental Mindoro
1:06pm-1:10pm	Introduction of Speaker	Assoc. Prof. Andrew C. Hernandez Chairperson, Department of Mathematics and Statistics
1: 11pm – 2:40pm	a. Phases of Statistics	Inst. Frances Anne A. Castillo Faculty, Department of Mathematics and Statistics
	b. Universe, Population and Sample	
	c. Parameter and Statistic	
	d. Levels of Measurement	
	e. Sample Size Determination	
2:41pm-2:50pm	Question and Answer	
2:51pm – 3:00pm	Evaluation of Speaker	
3:01pm-3:15	Coffee Break	
3:15pm- 3:20pm	Introduction of Speaker	Assoc. Prof. Andrew C. Hernandez Chairperson, Department of Mathematics and Statistics
3:21pm-4:40pm	f. Sampling Techniques	Inst. Rumel Angelo T. Alfaro Faculty, Department of Mathematics and Statistics
	g. Types of Data	
	h. Methods of Data Collection	
	i. Design of Experiment	
4:41pm-4:50pm	Question and Answer	
4:51pm- 5:00pm	Evaluation of Speaker	



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Day 3: Training- Workshop on Parametric Statistics (August 10, 2022)

	Activity	In-Charge
1:01pm-1:05pm	Opening Prayer	DepEd School Division of Romblon
1:06pm-1:15pm	RECAP	
1:16pm-1:20pm	Introduction of Speaker	Dr. Edcon B. Baccay , PUP-CS Extentionist
1:21pm-3:00pm	a. Textual, Tabular and Graphical Presentations	Inst. Katrina D. Elizon Faculty, Department of Mathematics and Statistics
	b. Measures of Central Tendency	
	c. Measures of Variation	
	d. Test of Normality-Graphical Method	
	e. Test of Normality-Numerical Method	
	f. Correlation and Regression Analysis	
3:01pm-3:10pm	Question and Answer	
3:11pm-3:20pm	Evaluation of Speaker	
3:21pm-3:30pm	Coffee Break	
3:31pm-3:35pm	Introduction of Speaker	Dr. Edcon B. Baccay PUP-CS Extentionist
3:36pm-5:10pm	a. Types of Hypothesis	Assoc. Prof. Laurence P. Usona Faculty, Department of Mathematics and Statistics & Master in Applied Statistics
	b. Level of Significance	
	c. Errors in Hypothesis Testing	
	d. Procedure and Approaches to Hypothesis Testing	
	e. One-Sample Hypothesis Testing	
	f. Two-Sample Hypothesis Testing	
5:11pm-5:20pm	Question and Answer	
5:21pm-5:30pm	Evaluation of Speaker	



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Day 4: Training- Workshop on Non-Parametric Statistics (August 11, 2022)

	Activity	In-Charge
1:01pm-1:05pm	Opening Prayer	DepEd School Division of Occidental Mindoro
1:06pm-1:15pm	RECAP	
1:16pm-1:20pm	Introduction of Speaker	Assoc. Prof. Arcibel B. Bautista, CS-QAC and OJT Coordinator
1:21pm-3:00pm	Introduction of Speaker	Inst. Peter John B. Aranas Faculty, Department of Mathematics and Statistics & Master in Applied Statistics
	a. One Sample Sign Test	
	b. Mann-Whitney U-test	
	c. Wilcoxon Signed-Rank Test	
	d. Kruskal-Wallis Test	
	e. Spearman Rank Correlation Coefficient	
3:01pm-3:10pm	Question and Answer	
3:11pm-3:20pm	Evaluation of Speaker	
3:21pm-3:30pm	Break	
3:31pm-4:30pm	Post Test of the Participants	Inst. Katrina D. Elizon Faculty, Department of Mathematics and Statistics

	Activity	In-Charge
4:31-4:45pm	Giving of Impressions	DepEd Schools Division of Occidental Mindoro, Division of Romblon, Division of Calapan, Oriental Mindoro
4:46pm-5:15pm	Awarding of Certificates	
5:16pm-5:30pm	Closing Remarks	

Annex 2 – List of Participants

Schools Division Research Committee (SDRC) Member

1. Lynn G. Mendoza	OIC – Schools Division Superintendent
2. Rodel S. Magnaye	Asst. Schools Division Superintendent
3. Raquel P. Girao	Chief, Education Supervisor, CID
4. Aniceto N. Parojinog	Chief, Education Supervisor, SGOD
5. Shalee Y. Tadeja	Senior Education Program Specialist



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Technical Working Group (TWG)

6. Bon Jovie Leyco	Teacher III	Wawa ES
7. Kristent Leo Tuscano	Master Teacher II	OMNHS
8. Amir Villas	Master Teacher I	Lubang VHS
9. Herald Sen Mateo	Teacher III	Sablayan CNHS
10. Mark Roger Dacayanan	Teacher III	Tuban ES
11. Florence Neil Garcia	Master Teacher I	Malpalon ES
12. Joel Capus	Teacher II	Sta. Teresa NHS
13. Sheryll Lopez	Master Teacher II	Pitogo ES
14. Raymart Calle	Master Teacher I	Rizal NHS
15. Ma. Lea Penaflo	Master Teacher I	San Jose NHS
16. Menia Gamboa	Public Schools District Supervisor	San Jose East and West
17. Rally Encado	Principal II	Alibog ES
18. Felix Bautista, Jr.	Head Teacher II	Yapang NHS

Participants

19. Alyssa Jane C. Manalo	Teacher III	Abra de Ilog NHS
20. Jadelee Lampa	Teacher I	Cabacao NHS
21. Rosiefe Liabres	Teacher III	Cabacao NHS
22. Chiara May V. De Paz	Teacher II	Looc NHS
23. Venancio Masangkay, Jr.	Head Teacher I	Lubang IS
24. Joel Lomugdang	Teacher I	Calintaan NHS
25. Winsome Wayne Esteban	Teacher I	Calintaan NHS
26. Mary Jane Quijano	Master Teacher I	Paluan NHS
27. Abegail Royo	Teacher III	Paluan NHS
28. Bong Marcos De Belen	Teacher I	Magsaysay NHS – Calawag Ext.
29. Lovely Fel D. Leido	Teacher III	Magsaysay NHS
30. Candy C. Ruedas	Teacher III	Magsaysay NHS
31. Daniel P. Enriquez	Teacher I	Magsaysay NHS
32. Novelyn R. Tunog	Teacher I	Mamburao CS
33. Ma. Magdalena A. Aricayos	Teacher I	Mamburao CS
34. Brenda Elaine A. Basco	Teacher III	OMNHS
35. Jan Faith B. Cuzon	Teacher I	OMNHS
36. Baby Jane M. Villaroza	Teacher III	OMNHS
37. Rochell A. Rubio	Teacher III	OMNHS
38. Jessica Jell De Veas	Master Teacher I	OMNHS
39. Jumy T. Notario	Teacher III	OMNHS
40. Ervin Gallardo	Head Teacher I	Banilad ES
41. Mark Kevin S. Papa	Teacher III	Pitogo ES
42. Harvy Dulay	Principal II	Pitogo ES

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43. Paul Rommel Tuscano	Master Teacher I	Mendigorin ES
44. Charmie C. Silao	Master Teacher II	Rizal NHS
45. Jezreel Dela Cruz	Teacher I	Tuban ES
46. Aiko M. Ginoy	Teacher I	SabCNHS – Bonifacia Ext.
47. Toni Rose Q. De Vera	Teacher I	SabCNHS – Bonifacia Ext.
48. Analie Salazar	Teacher II	SabCNHS
49. John Rey Inmenzo	Teacher III	SabCNHS
50. Fortunanto Mopia, Jr.	Teacher III	SabCNHS
51. Merrisah Beltran	Teacher I	SabCNHS
52. Rachel Joy Alvaro	Principal III	Bubog I ES
53. Ileen Sta. Rinala	Teacher III	San Jose Pilot ES
54. Mylene Gonzales	Teacher III	San Jose Pilot ES
55. Katherine Ladaga	Master Teacher I	San Jose Pilot ES
56. Lary Lyn A. Pablo	Teacher I	San Jose NHS
57. Romir A. Romero	Teacher III	San Jose NHS
58. Eduard O. Gonong	Master Teacher II	San Jose NHS
59. Sherly L. Sabado	District ALS Mobile Teacher	
60. Jordan Gapana	Teacher I	Iling NHS
61. Jose Noriel F. Antaran	Teacher I	San Agustin ES
62. Ophalyn F. Rosales	Master Teacher II	Curanta ES
63. Liezel O. Vego	Teacher III	Central NHS
64. Anabelle Carino	Master Teacher I	San Vicente ES
65. Romana Q. Fcliciano	Master Teacher I	Curanta ES
66. Seychelle Kim Malabanan	Teacher III	Sta. Cruz NHS
67. Nora Catuira	Master Teacher II	Sta. Cruz NHS
68. Neilfren P. Villas	Teacher II	Sta. Cruz NHS
69. Jay Ronnie M. Pranada	Teacher III	Sta. Cruz NHS
70. Jose Redito, Jr.	Teacher I	Sta. Cruz NHS
71. Carlo Ricaflor	Teacher III	Pinagturilan NHS

Program Management Team (PMT)

72. Simplicia Javate	Senior Education Program Specialist	SMME
73. Marilou Pandino	Senior Education Program Specialist	HRDS
74. Leonard P. Ramos	Education Program Specialist	HRDS
75. Marquin M. Defeo	Planning Officer III	PRS
76. Rachelle Ann Yumol	PDO I	YFD
77. Angelico Pajes	Administrative Aide IV	PRS

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