



Republic of the Philippines  
**Department of Education**  
REGION X  
DIVISION OF CAGAYAN DE ORO CITY

Division Advisory  
No. 29 s. 2020



**ONLINE WORKSHOP FOR PRELIMINARY DATA AND STATISTICAL ANALYSES  
(OWPStat)**

**TO: ELEMENTARY AND SECONDARY ADMINISTRATORS  
ELEMENTARY AND SECONDARY TEACHERS**  
This Division

1. Attached is a letter invitation from Dr. Ester L. Raagas for an Online Workshop for preliminary data and Statistical Analyses (OWPStat) on July 24-25, 2020 and August 21-22, 2020 from 1:30- 7:30 in the afternoon.
2. Interested participants may call or text to 09177702787.
3. For information and guidance.

  
**CHERRY MAE L. LIMBACO**  
Schools Division Superintendent

*To be indicated in the Perpetual Index under the following subjects:  
SHS Program- Statics Webinar  
cid/ jsm*



**Address: Fr. William F. Masterson Avenue, Upper Balulang, Cagayan de Oro City**  
**Telephone: (08822) – 8550048**

# Online Workshop for Preliminary Data and Statistical Analyses [OWPStat]

*[With An Easy to Use Free/Open Statistical Software]*

**[12hr seminar-workshop to be conducted in 2days from 1:30-7:30pm]**

## **Objectives:**

At the end of a 12-hour workshop, each participant is expected to achieve the following;

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| 1. completed a preliminary data analysis for hypothesis testing based on research objectives   |
| 2. completed hands-on experience on the following and <b>when</b> to use each:<br>2.1 Descriptive Statistics<br>2.2. Common Statistical Tests<br>2.2.1. Some Parametric Tests: T test, Welch's t test, F test (ANOVA), Welch one-way test, Effect Size, Cohen's d, Tukey, Scheffe, Bonferroni, Pearson r<br>2.2.2. Some Nonparametric tests: Kruskal-Wallis H, Mann-Whitney U test, Spearman Rank Correlation, Chi Square Test |
| 3. conducted statistical analysis using appropriate statistical tests with compliance to assumptions   |
| 4. Cronbach Alpha/Coefficient Alpha  |
| 5. Organization, Presentation and Interpretation of Statistical Results  |

## **Target Participants:**

- ❖ Those who will handle online/flexi learning in Inferential Statistics (and Research) for Senior High/ Undergraduate/Graduate levels;
- ❖ Social Science Researchers (Education, Economics, Psychology, Sociology, Public Administration, Health-Related Field, Agriculture, etc. );
- ❖ Undergraduate and Graduate Students in Basic and/or Inferential Statistics and those preparing for their thesis/dissertation;
- ❖ Those interested to learn Statistical Analysis in a much simpler and easier way using a good free stat software.

## **SCHEDULE:**

### **Day 1 (1:30- 7:30pm)**

*Guide to the Free stat Software, Sample Study, Questionnaire, Scoring Guide, ELR's Guide to Plan for Stat Analysis, ELR's Simplified Guide to Hypotheses Testing: Preparatory Data Analyses, Data Management, Generating Statistics [Descriptive Stats (Mean, Standard Deviation, Skewness, Kurtosis, Frequency Counts/Percentages, Histogram), Group Stats, Cronbach Coefficient Alpha]*

### **Day 2 (1:30- 7:30pm)**

*Using the Free Stat Software & a Sample Study, Generating Statistics Guided by Research Objectives; Attainment of Workshop objectives 2.2, 3, 5*

**Number of Participants: 8-10 pax only**

#### **Online Workshops by the *ELR Datstat Analysis Center* for CY2020**

<b>Workshop TITLE</b>	<b>DATE*</b>	<b>Pre-Registration</b>
<b>(OWPSTAT)</b> Online Workshop for Preliminary Data and Statistical Analyses. [With An Easy to Use Free/Open Statistical Software]	July 24-25, 2020 [1:30-7:30pm]	Php5,000.00 (Register on or before July 20, 2020)
-do-	August 21-22, 2020 [1:30-7:30pm]	Php5,000.00 (Register on or before August 17, 2020)
-do-	Requested Dates by at least 5 pax	Php5,000.00 (Register 5 days before the requested 2 days online workshop.)
Advanced Statistics (MLR, MLR with Dummy, PCA, CFA)	TBA (sometime in October, 2020)	TBA

**\*ELR DATSTAT** accepts request for other dates on **OWPSTAT** for a minimum of 8 pax.

The registration fee includes a) online materials to be given to participants, useful for online/flexi learning in Stat and Research, & others as enumerated below b) free copy and use of ELR Guides c) workshop certificate

#### **Note:**

**After confirmed pre-registration, each participant will right away be given a copy** of each of the following through their respective emails:

- i. A very good but Easy to Use Stat Software
- ii. A **Complete Tutorial Video** on how to generate the needed Statistics for analyses
- iii. E-book as guide in Learning Stats with the Free Software
- iv. Materials for the Sample Study
- v. ELR's Guide to Data Prep and Statistical Analyses
- vi. ELR's Simplified Guide to Hypotheses Testing
- vii. Some Tables for the Sample Study following the APA format (during the workshop)

**Resource Person:**

**Enzo L. Bagan, PhD**