Department of Education
Region III
DIVISION OF ANGELES CITY
Jesus Street, Pulungbulu, Angeles City

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RELEASED

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By _____
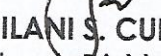DepED Angeles City
Division of City Schools

DIVISION ADVISORY
No. ___74___, s. 2018

To: Heads of Public Elementary and Secondary Schools

From: Schools Division Superintendent

Subject: Research Writing and Statistical Analysis In-Depth Seminar-Workshop

Date: March 25, 2018

This is to inform all concerned that the Strategic Research and Development Center, Inc. in partnership with Davao Association of Catholic Schools (DACS) will conduct *Research Writing and Statistical Analysis In-Depth Seminar-Workshop* on May 22-25, 2018 at DACS Training Center, Davao City.

Attached is a copy of the course outline, for reference and information.

LEILANI S. CUNANAN, CESO VI
Schools Division Superintendent

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STRATEGIC RESEARCH AND DEVELOPMENT CENTER, INC.
in partnership with
DAVAO ASSOCIATION OF CATHOLIC SCHOOLS

PRESENTS

RESEARCH WRITING AND STATISTICAL ANALYSIS
IN-DEPTH SEMINAR-WORKSHOP

MAY 22-25, 2018 AT DACS TRAINING CENTER
(413 corner Aguho and Champaca Sts, Juna Subd., Matina, Davao City, Philippines)

The main objective of this seminar–workshop is to teach the practice and art of research writing and statistical analysis.

The in–depth–seminar workshop aims to teach the participants the standard of research writing, different methods of data collection, sampling, question writing, questionnaire design and the preparation of data for analysis.

Furthermore, the seminar–workshop will also introduce participants to statistical analysis, it will exhaustively and thoroughly discuss the underlying assumptions and the research question that each statistical test answers.

Php7000.00 per participant,

covering meals (am/pm snacks and lunch), temporary license for IBM SPSS Statistics, handouts and certificate of completion.

PARTICIPANTS MUST BRING THEIR OWN LAPTOP

INTERESTED TO JOIN?

For inquiries and registration, you may contact us at (02) 403-9768 / (02) 752-7027 loc 209 and look for Joanna or e-mail joanna_gravador@strandasia.com

loc 210 for Jana (jana_holy@strandasia.com)
loc 213 for Irish (irish_amo@strandasia.com)

MEET THE SPEAKERS

ARTURO J. PATUNGAN

Mr. Patungan is a professor at the University of Santo Tomas. He teaches statistics, operation research, calculus, mathematics and algebra.

DEGREES
BS Education – Major in Mathematics, Don Mariano Marcos Memorial State University, 1997 Cum Laude
Master of Arts – Mathematics – UP Diliman, 2006

DOCTORATE
Ph.D. Mathematics Education (Candidate), UP Diliman

RENE N. ARGENAL

Rene N. Argenal currently works at the Mathemathics, University of San Carlos (Philippines). Rene does research in Applied Mathematics, Algebra and Statistics.

DEGREES
B.S. Mathematics, University of San Carlos, 1986
M.S.Ed., De La Salle University, 1993

DOCTORATE
Ph.D. Statistics (Candidate), UP Diliman

COURSE OUTLINE

Day 1: RESEARCH WRITING

- Planning Research Work
- Structuring Research Paper/ Research Work
    - Title
    - Abstract
    - Keywords
    - Introduction
    - Methods
    - Results & Discussion
    - Conclusions
    - Recommendations
    - Acknowledgement
    - References
    - Supporting Materials
- Use of Proper Scientific Language
- How to Publish, Ethics, & Plagiarisms

Day 2: SURVEY METHODOLOGY

- Understanding survey design
- Basics of Sampling
    - Role of Sampling in Statistical Inference
    - Introduction to probabilistic sampling techniques
    - Introduction to non-probabilistic sampling techniques
    - Choosing the best sampling techniquess
- Techniques on effective questionnaire
    - Questionnaire Construction
    - Pre-test
- The Cronbach's Alpha (Reliability test)
- Data Coding, Entry and checking
- Preparing Data for Analysis

Day 3: Statistical Analysis using IBM SPSS (Part 1)

- Introduction to Survey Analysis
- Introduction to Factor Analysis (Exploratory & CFA)
- Relationships between categorical variables
    - Cross tabulation and Chi-square test
- The non-parametric test
    - Mann-Whitney U Test
    - Kruskal-Walis

Day 4: Statistical Analysis using IBM SPSS (Part 2)

- Parametric Tests
    - Paired-samples T-test
    - One-way ANOVA
    - Pearson Correlation
- Multivariate Analysis with Regression
    - Linear Regression
    - Non-linear Regression
    - Logistic Regression

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