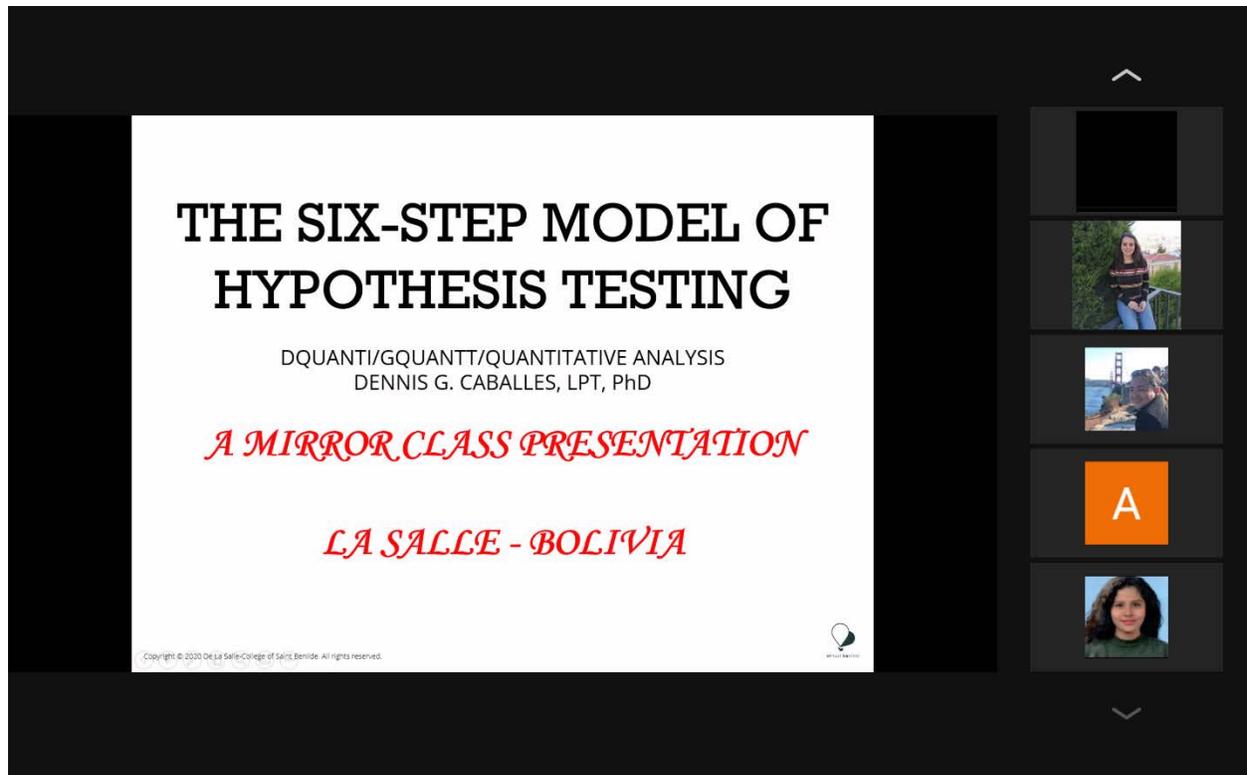


MIRROR CLASS PICTURES DURING THE LECTURE

DATE/TIME: OCTOBER 15, 2021/6:15 AM – 7:45 AM (PST); OCTOBER 14, 2021/6:15 PM – 7:45 PM (BOLIVIA)

LECTURER: DENNIS G. CABALLES, PHD (DE LA SALLE-COLLEGE OF SAINT BENILDE, PHILIPPINES)

MIRROR CLASS PARTNER FACULTY: DR. FRANCISCO GUACHALLA (LA SALLE-LA PAZ, BOLIVIA)



The image shows a Zoom meeting interface. The main window displays a presentation slide with the following text:

THE SIX-STEP MODEL OF HYPOTHESIS TESTING

DQUANTI/GQUANTT/QUANTITATIVE ANALYSIS
DENNIS G. CABALLES, LPT, PhD

A MIRROR CLASS PRESENTATION

LA SALLE - BOLIVIA

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On the right side, there is a gallery view of participants. From top to bottom, the thumbnails are: a black square, a woman with long dark hair, a man with a beard, an orange square with a white letter 'A', and a woman with dark hair.

zoom.us Meeting View Edit Window Help Zoom Meeting Fri Oct 15 6:19 AM

Dr. Caballes

Dr. Caballes is a Cum Laude graduate of Philippine Normal University with the degree of Bachelor of Secondary Education Major in General Science and an alumnus of De La Salle University Manila from Master's up to Doctorate level with the degree Master of Arts in Teaching Major in General Science and Doctor of Philosophy in Science Education Major in Biology respectively. He is the former Chairperson and Faculty of Chemistry and Life Sciences Department, Researcher, Statistician and Laboratory Chairman of the Manila Doctors College (now Manila Tytana Colleges). Dr. Caballes was a recipient of Sen. Angara and Sen. Roco Scholarships during his college years and a full scholar of DLSU-Manila in his graduate studies. He is likewise a Licensed Professional Teacher and a Civil Service Certified Eligible. Furthermore, he is active in both local and international conferences/conventions in science education as a paper presenter and as a participant. He has presented his research works in Penang, Malaysia and Chanthaburi, Thailand and was likewise invited in many regional and local conventions to serve as a plenary speaker and as a facilitator in academic gatherings. He has written several educational and scientific researches (both published and unpublished) and has developed modules, instructional materials and books in physical and biological sciences for tertiary level and basic education. He has also published research-based book in Germany which focuses on alternative conceptions and conceptual change in biology education. In addition, he is an active member of various professional organizations and is connected with various universities as a teacher and as a research and statistics consultant. Dr. Caballes is considered one of the youngest PhD degree holders in the country for he obtained his doctorate at the age of 26 and has earned units in his second doctorate in public health (DrPH) in UP Manila major in Health Promotion and Education. He completed his Post-Doctoral Course in Total Quality Management in Higher Education at Centro Escolar University Manila and was conferred as a Fellow in Royal Institution, Singapore. He also serves as one of the content editors in science books of Phoenix Publishing House, Inc. and SIBS Publishing House, Inc. and a book writer, editor, consultant, and coordinator in Science and Mathematics under Mutya Publishing House, Inc., Golden Cronica Publishing Inc., and JFS Publishing Services as well as a reviewer-lecturer in National Medical Admission Test and Licensure Examination for Teachers in various recognized review centers and institutions. Dr. Caballes was nominated in NRCP Achievement Award for 2019 and 2020 under Division I. Furthermore, he was tapped to be one of the content validators of Senior High School-Supplementary Learning Materials under the Department of Education (DepEd) through the Bureau of Learning Delivery-Teaching and Learning Division and was invited to be a reviewer of The Palawan Scientist Journal, Asia-Pacific Social Science Review, and Asian Journal of Education and Social Studies which are all indexed in Scopus and Copernicus. He is now a consultant in Department of Education for Research.

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DENNIS G. CABALLES

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Step #1: Stating the null hypothesis (H_0) and its alternative hypothesis (H_1)

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In each case, the hypothesis is tested on the basis of the evidence contained in the sample.

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Zoom Meeting

DENNIS G. CABA...

Two ways of making an incorrect decision in hypothesis testing:

Type I error (false positive error) –
 rejecting the null hypothesis that is true.
(an innocent person is convicted)

Type II error (false negative error) –
 accepting null hypothesis that is false.
(a guilty person is not convicted)

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*Output.spv [Document1] - SPSS Viewer

[DataSet0] C:\Users\Paul\OneDrive - De La Salle University-Dasmariñas\Documents\DOJANT\Output.sav

Case Processing Summary

	Cases				Total	
	Valid		Missing		N	Percent
Gender * OAM_1	16	100.0%	0	0%	16	100.0%

Gender * OAM_1 Crosstabulation

Count		OAM_1								Total			
		1	1.73	1.91	2.27	2.45	2.82	3.09	3.45		3.73	4	
Gender	Male	0	0	0	1	0	1	1	1	1	1	5	10
	Female	1	1	1	0	1	0	1	0	0	1	6	6
Total		1	1	1	1	1	1	2	1	1	1	6	16

Directional Measures

		Value
Nominal by Interval	Eta	.803
	OAM_1 Dependent	.601

Symmetric Measures

		Value	Asymp. Std. Error ^a	Approx. T ^b	Approx. Sig.
Interval by Interval	Pearson's R	-.601	.176	-2.814	.014 ^c
Ordinal by Ordinal	Spearman Correlation	-.547	.203	-2.443	.028 ^c
N of Valid Cases		16			

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.
 c. Based on normal approximation.

SPSS Processor is ready

7:03 am 15 Oct 2021

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*Untitled1 [DataSet] - SPSS Data Editor

File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure
1	Gender	Numeric	8	2		None	None	8	Right	Scale
2	VAR00002	Numeric	8	2		None	None	8	Right	Scale
3	VAR00003	Numeric	8	2		None	None	8	Right	Scale
4	VAR00004	Numeric	8	2		None	None	8	Right	Scale
5	VAR00005	Numeric	8	2		None	None	8	Right	Scale
6	VAR00006	Numeric	8	2		None	None	8	Right	Scale
7	VAR00007	Numeric	8	2		None	None	8	Right	Scale
8	VAR00008	Numeric	8	2		None	None	8	Right	Scale
9	VAR00009	Numeric	8	2		None	None	8	Right	Scale
10	VAR00010	Numeric	8	2		None	None	8	Right	Scale
11	VAR00011	Numeric	8	2		None	None	8	Right	Scale
12	VAR00012	Numeric	8	2		None	None	8	Right	Scale
13	VAR00013	Numeric	8	2		None	None	8	Right	Scale
14	VAR00014	Numeric	8	2		None	None	8	Right	Scale
15	VAR00015	Numeric	8	2		None	None	8	Right	Scale
16	VAR00016	Numeric	8	2		None	None	8	Right	Scale
17	VAR00017	Numeric	8	2		None	None	8	Right	Scale
18	VAR00018	Numeric	8	2		None	None	8	Right	Scale
19	VAR00019	Numeric	8	2		None	None	8	Right	Scale
20	VAR00020	Numeric	8	2		None	None	8	Right	Scale
21	VAR00021	Numeric	8	2		None	None	8	Right	Scale
22	VAR00022	Numeric	8	2		None	None	8	Right	Scale
23	VAR00023	Numeric	8	2		None	None	8	Right	Scale
24	VAR00024	Numeric	8	2		None	None	8	Right	Scale
25	VAR00025	Numeric	8	2		None	None	8	Right	Scale
26										
27										
28										
29										
30										
31										

Data View Variable View

SPSS Processor is ready

Type here to search

69°F 647 am 15 Oct 2021

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*Output1 [Document] - SPSS Viewer

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Output

- Log
- Frequencies
 - Title
 - Notes
 - Active Dataset
 - Statistics
 - Gender
 - Bar Chart

N	Valid	Missing
16	0	

Gender

Valid	Male	Female	Total	Frequency	Percent
10	6	16	82.5	37.5	100.0

Save Output As

Save in: D:\QUANT

File name:

Save as type: Viewer Files (*.spv)

Store File To Predictive Enterprise Repository...

Frequency

Gender

Male Female

SPSS Processor is ready

Type here to search

69°F 651 am 15 Oct 2021

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