Strong and Agile: Academic Programs in Statistics in the Changing Data Landscape[1]

Lisa Grace S. Bersales,PhD[2]

[1] Presentation at the Stats Café: How Can We Harmonize Official Statistics in University Curriculum, 31 May 2021

[2] Professor of Statistics, School of Statistics, University of the Philippines Diliman, Quezon City,Philippines

1

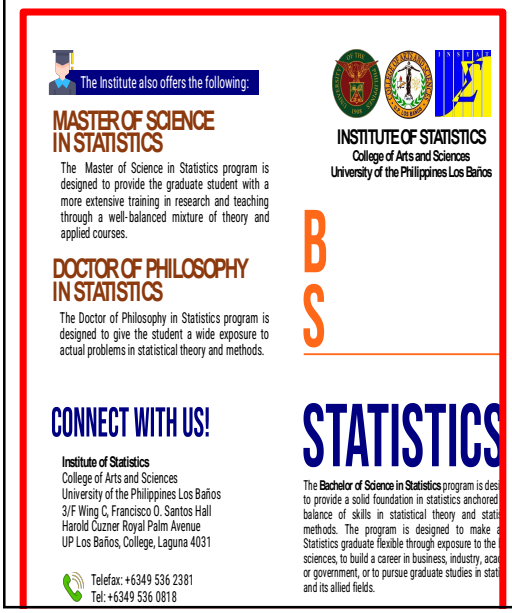


21 Universities

- PhD(Statistics)
- MS(Statistics)
- Master in Applied Statistics
- Master of Statistics
- Professional Masters in Data Analytics
- BS(Statistics)
- BS in Mathematics major in Statistics
- BS in Mathematical Sciences major in Mathematical Statistics

2

Only Two offer PhD(Statistics)

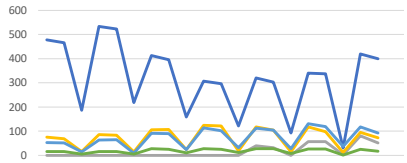




- History of the School of Statistics
  - Founded first as the Statistical Training Center in 1953 under a bilateral agreement of the Philippine government and the United Nations to provide formal training on statistics for government employees doing statistical work .

3

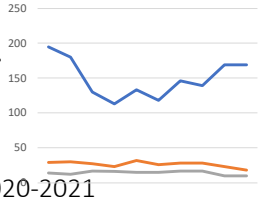
School of Statistics



AY 2018-2019 to AY 2020-2021

- 320-420 BS(Statistics) students
- 95-118 Master of Statistics
- 112-117 MS(Statistics)
- 40-81 Professional Masters in Data Science Analytics
- 25-28 PhD(Statistics)

Institute of Statistics



AY 2018-2019 to AY 2020-2021

- 139-169 BS(Statistics) students
- 18-32 MS(Statistics)
- 10-17 PhD(Statistics)

4

Focus on the School of Statistics in University of the Philippines Diliman

- Official Statistics is taught through
  - course on official statistics
    - Stat 192 (Philippine Official Statistics)
  - applications in basic and core courses
    - Stat 101, regression analysis, time series modeling, survey operations, sampling design, multivariate analysis, and categorical data analysis

5

Where do the Statistics Graduates of the School of Statistics and the Institute of Statistics Go?

School of Statistics

2019 Survey

- 33% in Banking and Finance
- 11% each in
  - IT
  - Academe
  - Govt,GOCC,NGO
  - Market research
- 7% each in
  - BPO
  - Biostatistics and Research
- 9% Others

Institute of Statistics

2015-2019 Survey

- 44% in Finance, Insurance, Real Estate
- 35% in Services
- 11% in Public Administration
- 5% in Transportation, Communication, Electric,Gas,Sanitation
- 5% Others

6


EMERGING TRENDS IN STATISTICAL DEVELOPMENT
2018 PSAI ANNUAL CONFERENCE
09.19-21.2018
Bohol Tropics Resort, Tagbilaran City
2019 PSAI ANNUAL CONFERENCE
09.04-06.2019 • Subic Bay Travelers Hotel, Subic, Zambales
PSAI in the Changing Data Landscape
CO-ORGANIZERS:
GEODATA
ANNOUNCEMENT
Virtual Hosting
PSAI Annual Conference
PSAI Trainings
For further inquiries, please email PSAI Secretariat (c/o Tess Abad) at secretariat@psai.ph.
STAY HOME
STAY HEALTHY
STAY CONNECTED
Philippine Statistical Association, Inc.
Home
About PSAI
News
Events
Publications
Jobs
Links
Feedback
The Philippine Statistician
The Philippine Statistician (TPS) is a refereed scientific journal published twice a year. TPS aims to disseminate a wide range of papers of technical, theoretical, and applied statistical nature considered of general or special interest to varied groups of statisticians.
The Philippine Statistician has been indexed in Scopus since 2015.
Download: [TPS Guidelines for Authors] [TPS Editorial Board]

7


25th PSQ Poster
JOIN NOW!
25TH
PHILIPPINE STATISTICS QUIZ
THE SEARCH FOR THE COUNTRY'S YOUNG STATISTICS WHIZZES
Statistics
Regional Finals: 12 November 2019
National Finals: 29 November 2019
For further information please visit
Visit us at www.psa.gov.ph
Like us on Facebook /PhilippineStatisticsAuthority
Follow us on Twitter @PSAgovph
or contact the PSA Regional Statistical Services Office
REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY
GOVPH
Home
The PSA
Statistics
Databases
Civil Registration
PhilSys
Publications
Home
31st National Statistics Month
October 2020
"Bridging Digital Gaps: Making Information Available to All"
Organized by the PHILIPPINE STATISTICAL SYSTEM
Spearheaded by the PHILIPPINE STATISTICS AUTHORITY
SHAWN BRAÑA LIZARDO
CHAMPION
2019
BANGKO SENTRAL NG PILIPINAS-DEPARTMENT OF EDUCATION
ANNUAL ORATORICAL CONTEST
DATA INNOVATION: KEY TO A BETTER NATION
SHAWN LIZARDO - CHAMPION, 2019 BSP-DEPED ANNUAL ORATORICAL CONTEST
371 views • Nov 4, 2019
9
0
SHARE
SAVE
Media Awards

8





9

- Foundation Courses
  - Statistical Theory
  - General Education Courses
- Methods Courses
  - Traditional methods and new ones in collecting, in processing data, in packaging data, in data analytics
  - New courses
- Geospatial information and statistics
- Computer skills – statistics software, data management, data analytics
- Communication skills – data visualization, infographics, data stories, dashboards
- Others:
  - Ethics
  - Open data
  - Data Privacy
  - Data standards and data quality
  - UN Fundamental Principles of Official Statistics
- "Soft" Skills
  - Lifelong learning
  - Teamwork

CONTEXT OF BLENDED LEARNING(SYNCHRONOUS AND ASYNCHRONOUS) AND MILLENIALS

10

Thank you!

11