

Fifteenth Management Seminar for the Heads of National Statistical Offices in Asia and the Pacific

2 p.m.-5.30 p.m. [Tokyo time]
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PHILIPPINE STATISTICAL RESEARCH AND TRAINING INSTITUTE



Question No. 1:

- How have your capacity development activities been impacted by the pandemic?
- How have the new demands on the NSO changed your approach to capacity development?
- What steps need be taken to ensure that the staff gains required skills to respond to the new demands?
- Do you think there is need for additional resources and adoption of new approaches for capacity development?
- Have you been successful in this regard? What has been your experience?





Answers to Question No. 1:

- ❖ Due to the pandemic, the Philippine Statistical Research and Training Institute shifted all capacity development activities to virtual using the Zoom videoconferencing platform.
- ❖ PSRTI personnel were all trained how to use Zoom as a Videoconferencing platform for meetings, conferences, and capability building activities. (May 22 & 27, 2020)
- ❖ We conducted training on Video Conferencing: Basics and Essentials Using Zoom to PSRTI Trainers/Resource Persons (37 participants, May 29, 2020)





Answers to Question No. 1:

- ❖ Developed virtual training courses that resemble face-to-face trainings to ensure participants actively participate in discussions, exercises, recaps, workshops, presentation and critiquing of outputs.
- ❖ For each training activity, there is a training team composed of two training coordinators that act as emcee and ASKME, one technical person for registration and evaluation, and a Supervisor to oversee the entire activity.
- ❖ At the end of each training activity, there is discussion of areas for improvement and other suggestions to deliver the training best.





Answer to Question No. 1:

From May to Nov 2020, we conducted 33 virtual trainings with very good evaluation scores.

Video Conferencing: Basics & Essentials Using Zoom

- One Day training (6 hours), 12 trainings, 301 participants

Microsoft Excel for Database Management

- Four-day training (8 hours/day with actual hands-on), 17 participants

Effective Tools in Presenting & Analyzing SDG Data

- Three-day training for Local Government Units (5 regions), 10 trainings

Regression Analysis

- Five-day Training (8 hours/day), 2 trainings, 49 participants

Technical Writing Course on Statistical Reports

- Four-day Training (8 hours/day), 34 participants





Answer to Question No. 1:

From May to Nov 2020, we conducted 33 virtual trainings with very good evaluation scores.

Descriptive Statistics

- Four-day training (8 hours/day with actual hands-on), 19 participants

Estimation and Hypothesis Testing

- Five-day training (8 hours/day with actual hands-on) 2 trainings, 34 participants

Survey Operations & Questionnaire Design

- Four-day Training (8 hours/day) 23 participants

Basic Research & Descriptive Statistics

- Five-day Training (8 hours/day) 21 participants

Technical Writing Course on Statistical Reports

- Three-day Training (8 hours/day), 2 trainings, 57 participants



Answer to Question No. 1:

From May to Nov 2020, we conducted 33 virtual trainings with very good evaluation scores.

Data Production & Management for Gender Statistics

- Three-day Training (8 hours/day), 35 participants

Importance of Gender Statistics in Policy Making

- Half-day Webinar (4 hours)

Statistics for Policy Analysis

- Five-day Training (8 hours/day) 1 training, 24 participants

Data Visualization Using Infographics – Engaging the Public

- Three-day Training (8 hours/day) 34 participants

Money Management Amidst the Covid-19 Pandemic

- Half-day webinar (4 hours), 2 trainings, 251 participants



Question No. 2:

- The pandemic has increased the appeal for using big data and other non-traditional data sources for the production of official statistics (e.g. using mobile data for population in small area, using scanner data and data by web-scraping to support the production of CPI, using satellite data for crop statistics).
- What are some of the quality assurance issues related to the use of big data and other new data sources to produce official statistics, especially in the context of current crises?
- Can you elaborate on what capacity building activities and approaches are needed to utilize big data and non-traditional data sources in producing official statistics?





Answer to Question No. 2:

❖ Big Data in the Philippines

Currently, the Philippine Statistical System is using BIG data on the following:

AGENCY/ORGANIZATION	BIG DATA ACTIVITIES
Philippine Statistics Authority	Web scraping of Price of more than 500 commodities in the market basket of the Consumer Price Index (CPI) for the National Capital Region Remote Sensing and satellite images coupled with AI to identify and map aquaculture farms and estimate area and production of major crops. (with Advanced Science and Technology Institute and Department of Science and Technology)
Department of Agriculture (DA)	Use of data from satellite technology to provide better crop insurance in the country
Department of Science and Technology-Advanced Science and Technology Institute (DOST-ASTI)	Use of satellite data yielded by microsatellite, Diwata-1, for the remote sensing processing and analysis adopted in the rehabilitation of Manila Bay





Answer to Question No. 2:

❖ Big Data in the Philippines

Currently, the Philippine Statistical System are using BIG data on the following:

AGENCY/ORGANIZATION	BIG DATA ACTIVITIES
Department of Environment and Natural Resources-Forest Management Bureau (DENR-FMB)	Use of satellite data, ALOS-1 PALSAR-1 and ALOS-2 PALSAR-2 25-meter datasets, to develop a remote sensing methodology for forest cover and forest cover change mapping in the whole island of Leyte
Department of Science and Technology-Philippine Atmospheric, Geophysical & Astronomical Service Administration (DOST-PAGASA)	Use of data from Geographic Information System (GIS) and space technology for disaster risk reduction
Philippine Commission on Audit (COA)	Use of geotagging and high-resolution satellite imagery to track and visualize project implementation status as part of Citizen Participatory Audit program, in which citizens could be involved in the auditing of projects funded by the government





Answer to Question No. 2:

❖ Big Data in the Philippines

Currently, the Philippine Statistical System are using BIG data on the following:

AGENCY/ORGANIZATION	BIG DATA ACTIVITIES
Grab; The World Bank; Department of Transportation and Communications (DOTC)	Use of Grab driver data to yield near real-time traffic data and statistics including speed, flow, and delays at intersections to study critical areas in traffic management
Food and Agriculture Organization (FAO); Bureau of Fisheries and Aquatic Resources (BFAR)	Use of remote sensing-based information to map coastal aquaculture and fisheries structures by satellite imaging radar





Answer to Question No. 2:

New and Advanced Methodologies on:

1. Web scraping of Prices

2. Remote Sensing and satellite images coupled with Artificial Intelligence

- To identify and map aquaculture farms and estimate area and production of major crops
- To estimate crop insurance
- To map forest cover and forest cover change
- To map coastal aquaculture and fisheries structure.

3. Geographic Information System (GIS)

- Disaster risk reduction
- Crime mapping
- Monitoring and managing vehicles
- Establishing and Monitoring Routes
- Managing properties
- Managing agricultural crop data

4. Space Technology

- Disaster risk reduction
- Environmental monitoring
- Natural resources management



Thank you for listening!

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