LEARNING AS ONE NATION

Expanded Project

Stat & Prob_16

S H S L E A R N I N G A C T I V I T Y

Name: _____ **Score/Mark:** _____

Grade and Section: _____ **Date:** _____

Strand: ☐ STEM ☐ ABM ☐ HUMSS ☐ ICT (*TVL Track*)

Subject: ***Statistics & Probability***

Type of Activity: ☐ Concept Notes ☐ Skills: Exercise/Drill ☐ Illustration ☐ Performance Task ☐ Essay/Report ☐ Others: _____

Activity Title: The Difference between Parameter and Statistic

Learning Target: To distinguish between parameter and statistic.

References: *(Author, Title, Pages)*

1) Banigon, Jr. R. et al. "Statistics and Probability for Senior High School", pp. 39-42
2) R.A. Rañoa and L.A. Sajulga, CVIF Learning Activities

Parameter

- a measurement or quantity that describes a population.

Example: The average height of all the captive-bred raptors in the Philippine Eagle Foundation (PEF) is *45 cm*.

Statistic

- the measurement or quantity that describes a sample. It is essentially used for estimating a corresponding population parameter.

Example: The average rainfall and variance of fifteen sampled locations in Vigan is *10.4* cm^3 and *2.2* cm^3, respectively.

Exercises:

A. Determine if the given measurement or quantity is a **parameter** or **statistic**. Write your answer on the blank.

_____ 1. The standard deviation of the life span of a certain exotic species kept in all the zoos in Bangkok, Thailand is *2.3 years*.

_____ 2. Based on a survey conducted with 1,200 respondents, *1 out of every 15 Filipinos* have more than two mobile phones.

_____ 3. According to a study conducted in some selected capital regions in Asia, *'red' is the most effective business theme color* for food and beverage companies and thus widely used internationally (e.g., McDonalds, Jollibee, Red Ribbon, etc.).

B. Give your own example for each:

1. Parameter
2. Statistic