Activity 7 – Inference From Data Sets

<mark>*Please print this paper and keep it for reference purposes. It will be signed by the professor in charge to mark its completion and record*</mark>

Group Name: _____   Date: _____
Group Members:

Part 1.
Doing your own case study
As part of the growing needs in Data Science, creating a case study and investigating using data is essential. For most, using data is the standard in creating applications and the basis of operations. Without data, many applications cannot be established, and will only run through unprecedented means.

For this activity, you will choose one of the fields of studies and discover things that can be revealed through data.
   a. **Philippine Dengue Cases**
        Link: https://drive.google.com/open?id=18a3RjFq1gJuOs_HDtMOz_X3_vtLXParT
   b. **Global Malnutrition**
        Link: https://drive.google.com/open?id=1UssSgw_De514S3RaYKVey3m_u3CRirll
   c. **Military Expenditures**
        Link: https://drive.google.com/open?id=1bZmVb9lkYdlWK0NDZZ3l5sEMxaB3yujN
   d. **World Suicide Index**
        Link: https://drive.google.com/open?id=1efkX0DiqnF2zgElTi0mEGr61oSUhA_Tz

Using the given data, create a case study based on what the data will reveal. The following are the guidelines for creating a case study:
   a. **Title:** This should briefly describe the topic that will be discussed.
   b. **Executive Summary:** A summary of findings and description of what the topic is about. This should only contain the gist and most related parts of the study. Two to three paragraphs will do. No need to go in depth details. This should be done only after the full study has been accomplished.
   c. **Introduction:** A brief introduction on what the topic is about. About two paragraphs will do.
   d. **Conceptual Framework:** This is where the idea or the topic is going to be developed, along with the recommended solution and probable cause.
        1. **Discussion on the reference data:** Briefly discuss what the data is about, its different aspects, and the source of the data/ information.
        2. **Description of the derived data:** This is where you will put all the information that you will derive from the original data. Describe it accordingly, including all charts and graphs that can be visualized. Label them properly and map them towards the end of the study. You may also refer to them as you develop the case.
        3. **Realization, discoveries, and findings:** After discussing the derived data, describe your realization, discoveries, and findings on the data. This may include a series of reference to other articles, current events, and different other studies.
        4. **Hypothetical Resolution:** If you are discussing a data regarding a problem, a series of hypothetical solution and recommendation can be set. If you are discussing a descriptive analysis, a series of innovation on current situation can be assessed.
   e. **Conclusion**: You will conclude the study by referring to current solutions existing, its advantages, shortcomings and your recommendation. You may also conclude by mentioning a forecast regarding the data and its probable result.