Interconnection of Mathematics and Statistics

Our life is exposed and compacted revolving around digits and quantity. We encounter numbers on our daily routine, for example, we look at the clock to check what time is it, we cook something at a certain temperature, we check our phones if there are new messages and emails. Everything we do, it is correlated with numbers and that is how Mathematics has been defined. According to the dictionary itself, whether it’s from Oxford or Meriam, Mathematics is defined as the abstract science of number, quantity, and space. On the other hand, Statistics is the science of collecting and analyzing numerical data in large quantities, especially for the purpose of inferring proportions as a whole from those in a representative sample. (Mathstat 2021). By the both definition itself, we are surrounded by numbers that can be represented, delivered and summarize by the use of statistics by collecting the data to interpret it’s simplified meaning.

Numbers is the language of Science since most of the data that will be presented to the public is actually represented in statistics. For simplified form, no jargons and easy to understand, using tables, charts and graphs are highly recommended. We really cannot separate Mathematics and Statistics because they correlate with each other.

To sum all of the ideas I have stated, we need both mathematics for us to gather raw data, explore and navigate our surroundings plus creating and inventing things and technologies with the help of Statistics since it is defined to have the purpose to summarize and analyze the raw data, represented in a simpler form for the people.