**General Objective:**

- To apply data analytic models on the data for notifiable diseases

**Specific Objectives:**

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| **Objective** | **Method** | **Output** |
| To gather related data about healthcare data analytics, the data for notifiable diseases of United States of America as well as each state’s attributes such as:   1. Population Density and Land Mass 2. Daily Temperature 3. Business and Industries 4. Capita 5. State Events and Holidays | Web Scraper through Python 3 using Selenium, BeautifulSoup4  Review of Related Literature  Manual Searching and Gathering of Data | Scraped data, either on tables or in CSV format  Collective Table of Reviewed Related Literature  A list of manually searched and gathered data which were not applicable to be web scraped |
| To correlate these state attributes with the identified notifiable diseases of United States of America. | Correlation through visuals using Pandas  Correlation through analysis | Extrapolated data and Inferences such as visual and textual graphs |
| To identify how the results of the study will be used by researchers and the healthcare industries. | Identifying applications through analysis of outcomes and results | Applications of the results of the study |