I chose to focus on **Sustainable Development Goal 3 (SDG 3): Good Health and Well-being.** SDG 3 aims to ensure healthy lives and promote well-being for all at all ages by addressing key health priorities, such as reducing maternal and child mortality, combating infectious diseases, and ensuring universal health coverage. One of the critical challenges under SDG 3 is the disparity in access to healthcare services between urban and rural areas. Rural populations often experience limited access to healthcare facilities, resulting in delayed or inadequate medical treatment and higher motality rates.

**Objective**: To analyze healthcare access disparities in rural areas using data-driven insights, identify regions with the most significant gaps, and recommend interventions to improve healthcare accessibility and equity.

To address this problem, the project will employ a data-driven approach involving:

* **Database Design**: Creating a relational database to store data on healthcare facilities, patient demographics, and regional characteristics.
* **Data Analysis**: Using SQL queries to analyze the distribution of healthcare facilities, patient utilization patterns, and regional disparities.
* **Visualization**: Leveraging Microsoft Excel to visualize data insights through charts, pivot tables, and an interactive dashboard.

The project will focus on the following areas:

* **Healthcare Facility Distribution**: Analyzing the density of healthcare facilities in rural versus urban areas to identify regions with the lowest facility access.
* **Patient Demographics and Utilization**: Examining patient data to understand who is using the facilities, the types of services they receive, and any patterns of under-utilization or over-utilization.
* **Geographic Disparities**: Identifying regions with the greatest healthcare access disparities and proposing recommendations to address these gaps.

**GAMMA PRESENTATION LINK:**

<https://gamma.app/docs/Bridging-the-Healthcare-Divide-Improving-Rural-Health-Access-gt7r8dcqot3f67k>