**Part I: Chapter 1: Sampling**

**The data set that you will be using is from a much larger dataset developed by the World Health Organization. The chart below describes the variables in the dataset and the units of measurement for each variable.**

|  |  |
| --- | --- |
| **Variable Label** | **Measured In** |
| **Country** | **Name only** |
| **Infant Mortality (per 1000 live births)** | **Number of deaths per 1000** |
| **Health Expenditure per capita** | **Dollars** |
| **Obesity Rate** | **Percent of adult population** |
| **Average Income per capita** | **Dollars** |
| **Suicides per 100,000** | **Number of suicides per 100,000** |
| **Life Expectancy** | **Years** |
| **Universal Health Care** | **“yes” or “no”** |
| **Diabetes Rate** | **Percent of adult population** |
| **Leading Cause of Death** | **Name only** |
| **Hospital Beds per 100,000** | **Number of hospital beds per 100,000 in population** |

**Based on this description of the data and research setup, answer the following questions.**

**Task 1:**

* **Would this be considered an observational or experimental study of global health? Explain your choice.**
* **Does it appear that health care is roughly equivalent in all countries? Explain why or why not.**

**Task 2: Determine the level of measurement for each of the variables.**

|  |  |  |
| --- | --- | --- |
| **Variable** | **Level of Measurement** | **Explanation** |
| **Country** |  |  |
| **Infant Mortality (per 1000 live births)** |  |  |
| **Health Expenditure per capita** |  |  |
| **Obesity Rate** |  |  |
| **Average Income per capita** |  |  |
| **Suicides per 100,000** |  |  |
| **Life Expectancy** |  |  |
| **Universal Health Care** |  |  |
| **Diabetes Rate** |  |  |
| **Leading Cause of Death** |  |  |
| **Hospital Beds per 100,000** |  |  |

**Task 3: Use Statdisk to sort the data in the “Universal Health Care” column.**

* **Describe what appears to be true about the countries which have universal health care.**
* **Are there any countries which are exceptions to your observations above?**