**Part IV: Chapter 4: Relative Frequency Probability Estimates**

**Task 1: Use the data set to estimate the following probabilities.**

* **What is the probability of selecting a country with universal health care if you choose one country at random from the data?**

**P(country with universal health care) =**

* **What is the probability of selecting a country with an obesity rate over 25% if you choose one country at random from the data?**

**P(obesity rate over 25%) =**

* **What is the probability of selecting a country with universal health care if you know that the country selected has an average per capita income over $25,000?**

**P(universal health care│average income> $25,000) =**

* **What is the probability of selecting a country in South America or a country with universal health care?**

**P(South American country OR country with universal health care) =**

* **If you selected 2 countries without replacement what is the probability of selecting 2 countries with life expectancy over 75?**

**P(country with life expectancy over 75 and then country with life expectancy over 75) =**

* **If you select one country at random, what is the probability that the country does not list “heart disease” as the leading cause of death?**