**CS 5402 Intro to DataMining**

**Cole Davis**

**Homework #2**

**Question #1:**

Table

Description automatically generated

**Question #2:** Graphical user interface, table

Description automatically generated

Diagram

Description automatically generated

**Question #3:**

Country\_likelyhood = 2/3 \* 1/3 \* 1/3 \* 3/8

Not\_Country\_likelyhood = (1/3 \* 2/3 \* 0/3 \* 3/8) \* (0/2 \* ½ \* ½ \* 2/8)

Convert to probabilities by normalizing so they sum to 1:

Final Answer Probability = Country\_likelyhood / (Country\_likelyhood + Not\_Country\_likelyhood)