## CECS 451 - Assignment 6

## Tommy Long

## October 10, 2022

Write answers to the following questions. (pdf file submission)

- 1. (2 points)  $\mathbf{P}(\text{Visit to asia }|\text{dyspnoea})$ 
  - (a) <0.01, 0.99>
- 2. (2 points) P(Tuberculosis | positive X-ray, ¬dyspnoea)
  - (a) <0.041, 0.959>
- 3. (2 points) P(bronchitis |¬lung cancer)
  - (a) 0.4429
- 4. (2 points) P(¬lung cancer |tuberculosis, ¬dyspnoea)
  - (a) 0.95031
- 5. (2 points) **P**(Smoking |¬positive X-ray, bronchitis, ¬visit to asia)
  - (a) <0.6456, 0.3544>