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CS4750 – Homework #8

November 27, 2017

1.)

1. 0.5

2. 5/6 or 0.8333

3. 1/36 or 0.027

4. 0.5

2.) 3/10 or 0.3

3.) 0.44

4.)

1. 0.06

2. 0.35

3. 0.171

5.) P(Cancer | notSmoker) = 0.001%

6.)

1. 0.16

2. No, as the P(R|U) != P(R)

3. Yes, the P(R, U |A) = P(R,U)

4. Yes, the P(R|A) = P(R)

5.