2.10

a. E1 = A E2 = B E3 =Ab E4 = O

b. A: 41% B: 10% AB: 4% O: 45%

c. There is a 51% chance they are AB or A

2.11

a. E4 = 20% or .10 E5 = 10% or .20

b. E3,E4,E5 = .20 or 20%

2.14

a. .58 or 58%

b. .14 or 14%

c. .46 or 46%

2.18

a. E1 (H1, H2) E2(H1, T2) E3(T1, H2) E4(T1, T2)

Page 54 2.71, 2.72, 2.73, 2.75, 2.77

2.71

a) P(A|B) = 1/3

b) P(B|A) = 1/5

c)P(A|AUB) = 5/7

d)

e)

P. 60

29.5: b and c use De’Morgans Law (Page 25

2.92

a) (.05)(.05)(.05) = 0.000125

b) (.05)(.95)(.95)+ (0.05)(.05)(.95)+ (.05)(.05)(.05)= 0.047625

2.94

a)

b)

2.95

a)

b)

c)

d)

2.96

2.101

2.102

Pg 73-75

2.124

a)

2.125

2.129

2.130

2.133

Look at 2.138

P110

3.38

a)

b)

c)

d)

3.39

a)

b)

3.43

3.44

3.45

3.48

3.51