COMP111 - Exercise 7 Answers

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2. (a) $P(\text{BuysBeer} = 1) = 0.02 + 0.14 + 0.1 = 0.26$

   (b) $P(\text{CustomerType} = \text{couple}) = 0.14 + 0.32 = 0.46$

   (c) $P(\text{Customertype} = \text{couple}, \text{BuysBeer} = 1) = 0.14$

   (d) $P(\text{CustomerType} = \text{couple} \mid \text{BuysBeer} = 1) = \frac{0.14}{0.26} = \frac{7}{13}$